

Technical Report

for

Emerging Contaminants

prepared for:

Hampton Bays Water District
18B Ponquoque Ave
Hampton Bays NY, 11946
Attention: Warren Booth

Report Date: 05/19/2021
Client Project ID: UCMR 3
York Project (SDG) No.: 21E0600

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

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ClientServices@yorklab.com

Report Date: 05/19/2021
Client Project ID: UCMR 3
York Project (SDG) No.: 21E0600

Hampton Bays Water District
18B Ponquoque Ave
Hampton Bays NY, 11946
Attention: Warren Booth

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on May 13, 2021 and listed below. The project was identified as your project: **UCMR 3**.

The analyses were conducted utilizing appropriate EPA methods as detailed in the data summary tables.

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

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

Please contact Client Services at 203.325.1371 with any questions regarding this report or e-mail clientservices@yorklab.com.

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21E0600-01	WELL 1-1 Run to Waste	Drinking Water	05/13/2021	05/13/2021
21E0600-02	WELL 1-2 Run to Waste	Drinking Water	05/13/2021	05/13/2021
21E0600-03	WELL 1-3 Run to Waste	Drinking Water	05/13/2021	05/13/2021
21E0600-04	WELL 3-1	Drinking Water	05/13/2021	05/13/2021
21E0600-05	WELL 3-2	Drinking Water	05/13/2021	05/13/2021
21E0600-06	WELL 3-3	Drinking Water	05/13/2021	05/13/2021
21E0600-07	BLEND From 3 FIELD	Drinking Water	05/13/2021	05/13/2021
21E0600-08	WELL 4-1 Run to Waste	Drinking Water	05/13/2021	05/13/2021
21E0600-09	WELL 5-1	Drinking Water	05/13/2021	05/13/2021
21E0600-10	PLANT #1	Drinking Water	05/13/2021	05/13/2021
21E0600-11	PLANT #3	Drinking Water	05/13/2021	05/13/2021
21E0600-12	PLANT #4	Drinking Water	05/13/2021	05/13/2021
21E0600-13	PLANT #5	Drinking Water	05/13/2021	05/13/2021
21E0600-14	BLEND INFLUENT GAC	Drinking Water	05/13/2021	05/13/2021
21E0600-15	BLEND EFFLUENT GAC	Drinking Water	05/13/2021	05/13/2021
21E0600-16	BLEND INFLUENT GAC Run to Waste	Drinking Water	05/13/2021	05/13/2021
21E0600-17	BLEND EFFLUENT GAC Run to Waste	Drinking Water	05/13/2021	05/13/2021

General Notes for York Project (SDG) No.: 21E0600

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

Approved By:



Benjamin Gulizia
Laboratory Director

Date: 05/19/2021





Sample Information

Client Sample ID: WELL 1-1 Run to Waste

York Sample ID: 21E0600-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21E0600	UCMR 3	Drinking Water	May 13, 2021 8:05 am	05/13/2021

PFAS, EPA 537.1 List

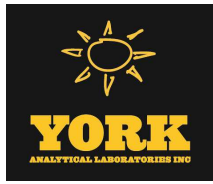
Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	9.26		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	4.74		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	13.2		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
335-67-1	Perfluorooctanoic acid (PFOA)	8.62		10		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	41.5	PFOS-X	10		ng/L	2.78	EPA 537.1 NELAC-NY12058	05/14/2021 14:20 05/18/2021 15:46	WL
375-95-1	* Perfluorononanoic acid (PFNA)	5.36		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
2355-31-9	* N-MeFOSAA	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
2991-50-6	* N-EtFOSAA	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL
919005-14-4	* ADONA	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 15:46	WL

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	101 %	70-130
Surrogate: 13C-PFDA	101 %	70-130
Surrogate: 13C-PFHxA	100 %	70-130



Sample Information

Client Sample ID: WELL 1-1 Run to Waste

York Sample ID: 21E0600-01

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 8:05 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L	Units				
	Surrogate: M3HFPO-DA	92.6 %		70-130					

Sample Information

Client Sample ID: WELL 1-2 Run to Waste

York Sample ID: 21E0600-02

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 7:56 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L	Units				
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.95		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	10.6		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	5.94		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	39.7		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
335-67-1	Perfluorooctanoic acid (PFOA)	12.2	PFOA-X	10	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	86.8	PFOS-X	10	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
375-95-1	* Perfluorononanoic acid (PFNA)	6.25		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
2355-31-9	* N-MeFOSAA	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
2991-50-6	* N-EtFOSAA	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL



Sample Information

Client Sample ID: WELL 1-2 Run to Waste

York Sample ID: 21E0600-02

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 7:56 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L	Units				
756426-58-1	* 9CL-PF3ONS	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
763051-92-9	* 11CL-PF3OUdS	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
919005-14-4	* ADONA	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20 05/18/2021 16:13	WL
Surrogate Recoveries		Result	Acceptance Range						
Surrogate: d5-N-EtFOSAA		110 %	70-130						
Surrogate: 13C-PFDA		108 %	70-130						
Surrogate: 13C-PFHxA		108 %	70-130						
Surrogate: M3HFPO-DA		96.9 %	70-130						

Sample Information

Client Sample ID: WELL 1-3 Run to Waste

York Sample ID: 21E0600-03

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 7:30 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L	Units				
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	3.02		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20 05/18/2021 16:39	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	8.85		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20 05/18/2021 16:39	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	6.00		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20 05/18/2021 16:39	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	24.2		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20 05/18/2021 16:39	WL
335-67-1	Perfluorooctanoic acid (PFOA)	7.84		10	ng/L	2.94	EPA 537.1	05/14/2021 14:20 05/18/2021 16:39	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	38.7	PFOS-X	10	ng/L	2.94	EPA 537.1	05/14/2021 14:20 05/18/2021 16:39	WL
375-95-1	* Perfluorononanoic acid (PFNA)	7.81		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20 05/18/2021 16:39	WL



Sample Information

Client Sample ID: WELL 1-3 Run to Waste

York Sample ID: 21E0600-03

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 7:30 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L	Units				
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
2355-31-9	* N-MeFOSAA	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
2991-50-6	* N-EtFOSAA	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
756426-58-1	* 9CL-PF3ONS	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
763051-92-9	* 11CL-PF3OUdS	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
13252-13-6	* HFPO-DA (Gen-X)	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
919005-14-4	* ADONA	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 16:39	
	Surrogate Recoveries	Result		Acceptance Range					
	Surrogate: d5-N-EtFOSAA	101 %		70-130					
	Surrogate: 13C-PFDA	103 %		70-130					
	Surrogate: 13C-PFHxA	102 %		70-130					
	Surrogate: M3HFPO-DA	90.9 %		70-130					

Sample Information

Client Sample ID: WELL 3-1

York Sample ID: 21E0600-04

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 6:40 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L	Units				
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
								05/18/2021 17:06	



Sample Information

Client Sample ID: WELL 3-1

York Sample ID: 21E0600-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21E0600

UCMR 3

Drinking Water

May 13, 2021 6:40 am

05/13/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 17:06	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 17:06	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	
919005-14-4	* ADONA	ND		0		ng/L	2.50	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:06	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

91.3 %

70-130

Surrogate: 13C-PFDA

89.4 %

70-130

Surrogate: 13C-PFHxA

89.3 %

70-130

Surrogate: M3HFPO-DA

80.1 %

70-130



Sample Information

Client Sample ID: WELL 3-2

York Sample ID: 21E0600-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21E0600

UCMR 3

Drinking Water

May 13, 2021 6:49 am

05/13/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	4.47		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 17:59	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	7.79		10		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 17:59	
375-95-1	* Perfluorononanoic acid (PFNA)	9.13		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	
919005-14-4	* ADONA	ND		0		ng/L	2.69	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 17:59	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

106 %

70-130

Surrogate: 13C-PFDA

107 %

70-130

Surrogate: 13C-PFHxA

108 %

70-130

Surrogate: M3HFPO-DA

94.0 %

70-130



Sample Information

Client Sample ID: WELL 3-3

York Sample ID: 21E0600-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21E0600

UCMR 3

Drinking Water

May 13, 2021 6:35 am

05/13/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
307-24-4	* Perfluorohexanoic acid (PFHxA)	3.44		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 18:25	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 18:25	
375-95-1	* Perfluorononanoic acid (PFNA)	6.12		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	
919005-14-4	* ADONA	ND		0		ng/L	2.98	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:25	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA	99.3 %	70-130
Surrogate: 13C-PFDA	97.4 %	70-130
Surrogate: 13C-PFHxA	101 %	70-130
Surrogate: M3HFPO-DA	87.8 %	70-130



Sample Information

Client Sample ID: BLEND From 3 FIELD

York Sample ID: 21E0600-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21E0600

UCMR 3

Drinking Water

May 13, 2021 6:43 am

05/13/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 18:52	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 18:52	
375-95-1	* Perfluorononanoic acid (PFNA)	4.52		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
72629-94-8	* Perfluorotridecanoic acid (PFTTrDA)	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	
919005-14-4	* ADONA	ND		0		ng/L	3.12	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 18:52	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

92.9 %

70-130

Surrogate: 13C-PFDA

92.5 %

70-130

Surrogate: 13C-PFHxA

93.5 %

70-130

Surrogate: M3HFPO-DA

79.8 %

70-130



Sample Information

Client Sample ID: WELL 4-1 Run to Waste

York Sample ID: 21E0600-08

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 6:15 am	<u>Date Received</u> 05/13/2021
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1,4-Dioxane by GC/MS/SIM EPA 522

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 522

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
123-91-1	1,4-Dioxane	ND		1		ug/L	0.200	EPA 522	05/18/2021 08:23	AH/
							Certifications: NELAC-NY10854		05/18/2021 17:18	
	Surrogate Recoveries	Result		Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	76.0 %		70-130						

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 19:45	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 19:45	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
72629-94-8	* Perfluorotridecanoic acid (PFTTrDA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 19:45	



Sample Information

Client Sample ID: WELL 4-1 Run to Waste

York Sample ID: 21E0600-08

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 6:15 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L	Units				
13252-13-6	* HFPO-DA (Gen-X)	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20 05/18/2021 19:45	WL
919005-14-4	* ADONA	ND		0	ng/L	2.94	EPA 537.1	05/14/2021 14:20 05/18/2021 19:45	WL
Surrogate Recoveries		Result	Acceptance Range						
	Surrogate: d5-N-EtFOSAA	91.7 %	70-130						
	Surrogate: 13C-PFDA	94.3 %	70-130						
	Surrogate: 13C-PFHxA	95.4 %	70-130						
	Surrogate: M3HFPO-DA	81.4 %	70-130						

Sample Information

Client Sample ID: WELL 5-1

York Sample ID: 21E0600-09

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 5:25 am	<u>Date Received</u> 05/13/2021
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1,4-Dioxane by GC/MS/SIM EPA 522

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 522

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L	Units				
123-91-1	1,4-Dioxane	ND		1	ug/L	0.200	EPA 522	05/18/2021 08:23 05/18/2021 17:37	AH/
	Surrogate Recoveries	Result	Acceptance Range						
17647-74-4	Surrogate: 1,4-Dioxane-d8	72.0 %	70-130						

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L	Units				
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 20:12	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 20:12	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 20:12	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ng/L	2.78	EPA 537.1	05/14/2021 14:20 05/18/2021 20:12	WL



Sample Information

Client Sample ID: WELL 5-1

York Sample ID: 21E0600-09

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 5:25 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 20:12	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3.07		10		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 20:12	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	
919005-14-4	* ADONA	ND		0		ng/L	2.78	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 20:12	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	102 %	70-130
Surrogate: 13C-PFDA	98.9 %	70-130
Surrogate: 13C-PFHxA	99.1 %	70-130
Surrogate: M3HFPO-DA	85.2 %	70-130

Sample Information

Client Sample ID: PLANT #1

York Sample ID: 21E0600-10

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 7:56 am	<u>Date Received</u> 05/13/2021
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Sample Information

Client Sample ID: PLANT #1

York Sample ID: 21E0600-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21E0600

UCMR 3

Drinking Water

May 13, 2021 7:56 am

05/13/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.91	EPA 537.1 NELAC-NY12058	05/14/2021 14:20 05/18/2021 20:38	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.91	EPA 537.1 NELAC-NY12058	05/14/2021 14:20 05/18/2021 20:38	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL
919005-14-4	* ADONA	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20 05/18/2021 20:38	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

90.7 %

70-130

Surrogate: 13C-PFDA

92.1 %

70-130

Surrogate: 13C-PFHxA

84.7 %

70-130

Surrogate: M3HFPO-DA

75.2 %

70-130



Sample Information

Client Sample ID: PLANT #3

York Sample ID: 21E0600-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21E0600

UCMR 3

Drinking Water

May 13, 2021 6:40 am

05/13/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 21:05	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 21:05	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	
919005-14-4	* ADONA	ND		0		ng/L	1.91	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:05	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

121 %

70-130

Surrogate: 13C-PFDA

98.8 %

70-130

Surrogate: 13C-PFHxA

95.5 %

70-130

Surrogate: M3HFPO-DA

85.6 %

70-130



Sample Information

Client Sample ID: PLANT #4

York Sample ID: 21E0600-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21E0600

UCMR 3

Drinking Water

May 13, 2021 6:15 am

05/13/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 21:31	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 21:31	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	
919005-14-4	* ADONA	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:31	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

86.2 %

70-130

Surrogate: 13C-PFDA

90.0 %

70-130

Surrogate: 13C-PFHxA

98.9 %

70-130

Surrogate: M3HFPO-DA

72.6 %

70-130



Sample Information

Client Sample ID: PLANT #5

York Sample ID: 21E0600-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21E0600

UCMR 3

Drinking Water

May 13, 2021 5:25 am

05/13/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 21:58	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 21:58	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	
919005-14-4	* ADONA	ND		0		ng/L	1.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 21:58	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

101 %

70-130

Surrogate: 13C-PFDA

100 %

70-130

Surrogate: 13C-PFHxA

88.3 %

70-130

Surrogate: M3HFPO-DA

77.9 %

70-130



Sample Information

Client Sample ID: BLEND INFLUENT GAC

York Sample ID: 21E0600-14

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 7:45 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 22:51	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:	NELAC-NY12058	05/18/2021 22:51	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	
919005-14-4	* ADONA	ND		0		ng/L	1.80	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 22:51	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	109 %	70-130
Surrogate: 13C-PFDA	106 %	70-130
Surrogate: 13C-PFHxA	95.3 %	70-130
Surrogate: M3HFPO-DA	80.2 %	70-130



Sample Information

Client Sample ID: BLEND EFFLUENT GAC

York Sample ID: 21E0600-15

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 7:51 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 23:18	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 23:18	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	
919005-14-4	* ADONA	ND		0		ng/L	1.79	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:18	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	98.2 %	70-130
Surrogate: 13C-PFDA	101 %	70-130
Surrogate: 13C-PFHxA	77.8 %	70-130
Surrogate: M3HFPO-DA	73.5 %	70-130



Sample Information

Client Sample ID: BLEND INFLUENT GAC Run to Waste

York Sample ID: 21E0600-16

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 7:45 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
307-24-4	* Perfluorohexanoic acid (PFHxA)	9.81		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	5.86		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	22.6		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
335-67-1	Perfluorooctanoic acid (PFOA)	9.85		10		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 23:44	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	54.2	PFOS-X	10		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/18/2021 23:44	
375-95-1	* Perfluorononanoic acid (PFNA)	7.11		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	
919005-14-4	* ADONA	ND		0		ng/L	2.81	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/18/2021 23:44	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	107 %	70-130
Surrogate: 13C-PFDA	112 %	70-130
Surrogate: 13C-PFHxA	110 %	70-130
Surrogate: M3HFPO-DA	96.0 %	70-130



Sample Information

Client Sample ID: BLEND EFFLUENT GAC Run to Waste

York Sample ID: 21E0600-17

<u>York Project (SDG) No.</u> 21E0600	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> May 13, 2021 7:51 am	<u>Date Received</u> 05/13/2021
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PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal.	Analyst
				MCL, ng/L						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
307-24-4	* Perfluorohexanoic acid (PFHxA)	8.41		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/19/2021 00:11	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications: NELAC-NY12058		05/19/2021 00:11	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
72629-94-8	* Perfluorotridecanoic acid (PFTTrDA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	
919005-14-4	* ADONA	ND		0		ng/L	2.94	EPA 537.1	05/14/2021 14:20	WL
							Certifications:		05/19/2021 00:11	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	99.8 %	70-130
Surrogate: 13C-PFDA	106 %	70-130
Surrogate: 13C-PFHxA	107 %	70-130
Surrogate: M3HFPO-DA	93.9 %	70-130



Analytical Batch Summary

Batch ID: BE10740

Preparation Method: EPA 537.1 SPE DVB

Prepared By: SG

YORK Sample ID	Client Sample ID	Preparation Date
21E0600-01	WELL 1-1 Run to Waste	05/14/21
21E0600-02	WELL 1-2 Run to Waste	05/14/21
21E0600-03	WELL 1-3 Run to Waste	05/14/21
21E0600-04	WELL 3-1	05/14/21
21E0600-05	WELL 3-2	05/14/21
21E0600-06	WELL 3-3	05/14/21
21E0600-07	BLEND From 3 FIELD	05/14/21
21E0600-08	WELL 4-1 Run to Waste	05/14/21
21E0600-09	WELL 5-1	05/14/21
21E0600-10	PLANT #1	05/14/21
21E0600-11	PLANT #3	05/14/21
21E0600-12	PLANT #4	05/14/21
21E0600-13	PLANT #5	05/14/21
21E0600-14	BLEND INFLUENT GAC	05/14/21
21E0600-15	BLEND EFFLUENT GAC	05/14/21
21E0600-16	BLEND INFLUENT GAC Run	05/14/21
21E0600-17	BLEND EFFLUENT GAC Run	05/14/21
BE10740-BLK1	Blank	05/14/21
BE10740-BS1	LCS	05/14/21
BE10740-DUP1	Duplicate	05/14/21
BE10740-MS1	Matrix Spike	05/14/21

Batch ID: BE10863

Preparation Method: EPA 522

Prepared By: SJB

YORK Sample ID	Client Sample ID	Preparation Date
21E0600-08	WELL 4-1 Run to Waste	05/18/21
21E0600-09	WELL 5-1	05/18/21
BE10863-BLK1	Blank	05/18/21
BE10863-BS1	LCS	05/18/21
BE10863-BS2	LCS	05/18/21
BE10863-DUP1	Duplicate	05/18/21
BE10863-MS1	Matrix Spike	05/18/21



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE10863 - EPA 522											
Blank (BE10863-BLK1)											
											Prepared & Analyzed: 05/18/2021
1,4-Dioxane	ND	0.200	ug/L								
<i>Surrogate: 1,4-Dioxane-d8</i>	3.80		"	5.00		76.0	70-130				
LCS (BE10863-BS1)											
											Prepared & Analyzed: 05/18/2021
1,4-Dioxane	9.72	0.200	ug/L	10.0		97.2	70-130				
<i>Surrogate: 1,4-Dioxane-d8</i>	3.60		"	5.00		72.0	70-130				
LCS (BE10863-BS2)											
											Prepared & Analyzed: 05/18/2021
1,4-Dioxane	2.36	0.200	ug/L	2.00		118	70-130				
<i>Surrogate: 1,4-Dioxane-d8</i>	3.80		"	5.00		76.0	70-130				
Duplicate (BE10863-DUP1)											
*Source sample: 21E0612-01 (Duplicate)											Prepared & Analyzed: 05/18/2021
1,4-Dioxane	ND	0.200	ug/L		ND						30
<i>Surrogate: 1,4-Dioxane-d8</i>	4.20		"	5.00		84.0	70-130				
Matrix Spike (BE10863-MS1)											
*Source sample: 21E0612-01 (Matrix Spike)											Prepared & Analyzed: 05/18/2021
1,4-Dioxane	10.3	0.200	ug/L	10.0	ND	103	70-130				
<i>Surrogate: 1,4-Dioxane-d8</i>	4.00		"	5.00		80.0	70-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE10740 - EPA 537.1 SPE DVB

Blank (BE10740-BLK1)

Prepared: 05/14/2021 Analyzed: 05/18/2021

Perfluorobutanesulfonic acid (PFBS)	ND	4.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	4.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	4.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	4.00	"								
Perfluorooctanoic acid (PFOA)	ND	4.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	4.00	"								
Perfluorononanoic acid (PFNA)	ND	4.00	"								
Perfluorodecanoic acid (PFDA)	ND	4.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	4.00	"								
Perfluorododecanoic acid (PFDoA)	ND	4.00	"								
Perfluorotridecanoic acid (PFTrDA)	ND	4.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	4.00	"								
N-MeFOSAA	ND	4.00	"								
N-EtFOSAA	ND	4.00	"								
9CL-PF3ONS	ND	4.00	"								
11CL-PF3OUdS	ND	4.00	"								
HFPO-DA (Gen-X)	ND	4.00	"								
ADONA	ND	4.00	"								
<i>Surrogate: d5-N-EtFOSAA</i>	396		"	320		124	70-130				
<i>Surrogate: 13C-PFDA</i>	92.6		"	80.0		116	70-130				
<i>Surrogate: 13C-PFHxA</i>	90.1		"	80.0		113	70-130				
<i>Surrogate: M3HFPO-DA</i>	81.2		"	80.0		101	70-130				

LCS (BE10740-BS1)

Prepared: 05/14/2021 Analyzed: 05/18/2021

Perfluorobutanesulfonic acid (PFBS)	37.0	4.00	ng/L	35.4		104	70-130				
Perfluorohexanoic acid (PFHxA)	45.2	4.00	"	40.0		113	70-130				
Perfluoroheptanoic acid (PFHpA)	45.6	4.00	"	40.0		114	70-130				
Perfluorohexanesulfonic acid (PFHxS)	42.4	4.00	"	38.0		112	70-130				
Perfluorooctanoic acid (PFOA)	47.1	4.00	"	40.0		118	70-130				
Perfluorooctanesulfonic acid (PFOS)	42.7	4.00	"	38.4		111	70-130				
Perfluorononanoic acid (PFNA)	46.9	4.00	"	40.0		117	70-130				
Perfluorodecanoic acid (PFDA)	44.1	4.00	"	40.0		110	70-130				
Perfluoroundecanoic acid (PFUnA)	44.0	4.00	"	40.0		110	70-130				
Perfluorododecanoic acid (PFDoA)	47.4	4.00	"	40.0		118	70-130				
Perfluorotridecanoic acid (PFTrDA)	42.8	4.00	"	40.0		107	70-130				
Perfluorotetradecanoic acid (PFTA)	39.8	4.00	"	40.0		99.4	70-130				
N-MeFOSAA	47.3	4.00	"	40.0		118	70-130				
N-EtFOSAA	44.8	4.00	"	40.0		112	70-130				
9CL-PF3ONS	40.0	4.00	"	37.4		107	60-130				
11CL-PF3OUdS	37.1	4.00	"	37.8		98.2	60-130				
HFPO-DA (Gen-X)	42.3	4.00	"	40.0		106	60-130				
ADONA	41.9	4.00	"	37.8		111	60-130				
<i>Surrogate: d5-N-EtFOSAA</i>	356		"	320		111	70-130				
<i>Surrogate: 13C-PFDA</i>	87.6		"	80.0		110	70-130				
<i>Surrogate: 13C-PFHxA</i>	86.2		"	80.0		108	70-130				
<i>Surrogate: M3HFPO-DA</i>	79.3		"	80.0		99.1	70-130				



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

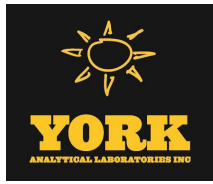
York Analytical Laboratories, Inc.

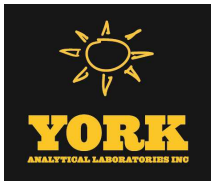
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BE10740 - EPA 537.1 SPE DVB

Duplicate (BE10740-DUP1)	*Source sample: 21E0594-01 (Duplicate)						Prepared: 05/14/2021 Analyzed: 05/18/2021				
Perfluorobutanesulfonic acid (PFBS)	2.85	3.33	ng/L		3.14				9.71	25	
Perfluorohexanoic acid (PFHxA)	5.52	3.33	"		6.15				10.7	25	
Perfluoroheptanoic acid (PFHpA)	2.36	3.33	"		2.61				9.95	25	
Perfluorohexanesulfonic acid (PFHxS)	11.2	3.33	"		12.7				12.8	25	
Perfluorooctanoic acid (PFOA)	4.01	3.33	"		4.69				15.7	25	
Perfluorooctanesulfonic acid (PFOS)	20.9	3.33	"		24.3				15.1	25	
Perfluorononanoic acid (PFNA)	3.53	3.33	"		3.84				8.43	25	
Perfluorodecanoic acid (PFDA)	ND	3.33	"		ND					25	
Perfluoroundecanoic acid (PFUnA)	ND	3.33	"		ND					25	
Perfluorododecanoic acid (PFDoA)	ND	3.33	"		ND					25	
Perfluorotridecanoic acid (PFTrDA)	ND	3.33	"		ND					25	
Perfluorotetradecanoic acid (PFTA)	ND	3.33	"		ND					25	
N-MeFOSAA	ND	3.33	"		ND					25	
N-EtFOSAA	ND	3.33	"		ND					25	
9CL-PF3ONS	ND	3.33	"		ND					25	
11CL-PF3OUdS	ND	3.33	"		ND					25	
HFPO-DA (Gen-X)	ND	3.33	"		ND					25	
ADONA	ND	3.33	"		ND					25	
Surrogate: d5-N-EtFOSAA	270		"	267		101	70-130				
Surrogate: 13C-PFDA	67.8		"	66.7		102	70-130				
Surrogate: 13C-PFHxA	66.4		"	66.7		99.6	70-130				
Surrogate: M3HFPO-DA	59.5		"	66.7		89.2	70-130				

Matrix Spike (BE10740-MS1)	*Source sample: 21E0600-07 (BLEND From 3 FIELD)						Prepared: 05/14/2021 Analyzed: 05/18/2021				
Perfluorobutanesulfonic acid (PFBS)	46.9	3.12	ng/L	55.3	1.06	82.8	70-130				
Perfluorohexanoic acid (PFHxA)	60.0	3.12	"	62.5	1.87	93.0	70-130				
Perfluoroheptanoic acid (PFHpA)	59.0	3.12	"	62.5	ND	94.4	70-130				
Perfluorohexanesulfonic acid (PFHxS)	54.6	3.12	"	59.4	2.03	88.6	70-130				
Perfluorooctanoic acid (PFOA)	60.7	3.12	"	62.5	ND	97.2	70-130				
Perfluorooctanesulfonic acid (PFOS)	57.0	3.12	"	60.0	2.74	90.5	70-130				
Perfluorononanoic acid (PFNA)	65.2	3.12	"	62.5	4.52	97.1	70-130				
Perfluorodecanoic acid (PFDA)	57.6	3.12	"	62.5	ND	92.2	70-130				
Perfluoroundecanoic acid (PFUnA)	54.5	3.12	"	62.5	ND	87.2	70-130				
Perfluorododecanoic acid (PFDoA)	54.6	3.12	"	62.5	ND	87.4	70-130				
Perfluorotridecanoic acid (PFTrDA)	49.3	3.12	"	62.5	ND	78.8	70-130				
Perfluorotetradecanoic acid (PFTA)	46.0	3.12	"	62.5	ND	73.7	70-130				
N-MeFOSAA	61.0	3.12	"	62.5	ND	97.7	70-130				
N-EtFOSAA	58.6	3.12	"	62.5	ND	93.8	70-130				
9CL-PF3ONS	49.6	3.12	"	58.4	ND	84.9	70-130				
11CL-PF3OUdS	44.1	3.12	"	59.1	ND	74.7	70-130				
HFPO-DA (Gen-X)	51.5	3.12	"	62.5	ND	82.4	70-130				
ADONA	54.7	3.12	"	59.1	ND	92.6	50-130				
Surrogate: d5-N-EtFOSAA	219		"	250		87.7	70-130				
Surrogate: 13C-PFDA	58.1		"	62.5		92.9	70-130				
Surrogate: 13C-PFHxA	60.0		"	62.5		96.0	70-130				
Surrogate: M3HFPO-DA	51.9		"	62.5		83.1	70-130				





Sample and Data Qualifiers Relating to This Work Order

- PFOS-X The level of PFOS detected in this sample exceeds the NYSDOH Maximum Contaminant Level of 10 ng/L)
- PFOA-X The level of PFOA in this sample exceeds the NYSDOH Maximum Contaminant Level of 10 ng/L)

Definitions and Other Explanations

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



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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
 This document serves as your written authorization for YORK to proceed with the analyses requested below.
 Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 21ED0600

Page ___ of ___

YOUR INFORMATION		Report To:		Invoice To:		UCMR 3		Turn-Around Time	
Hampton Bays Water District		Hampton Bays Water District		Hampton Bays Water District		RUSH - Next Day		RUSH - Next Day	
188 Ponquogue Ave. / PO Box 1013		188 Ponquogue Ave. / PO Box 1013		PO Box 1013		RUSH - Two Day		RUSH - Two Day	
Hampton Bays, N.Y. 11946		Hampton Bays, N.Y. 11946		Hampton Bays N.Y. 11946		RUSH - Three Day		RUSH - Three Day	
(631) 728-0179 ext. 4213		(631) 728-0179		(631) 728-0179 ext. 4210		RUSH - Four Day		RUSH - Four Day	
Warren Booth		Warren Booth		Stella Michaelis		Standard (5-7 Day)		Standard (5-7 Day) <input checked="" type="checkbox"/>	

YOUR PO#: smichaelis@southamptontownny.gov

Matrix Codes	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	Summary Report	Compared to the following Regulation(s): (please fill in)
GW - groundwater	QA Report	
DW - drinking water	NY ASP A Package	
WW - wastewater	NY ASP B Package	
O - Oil	Deliverables	
	NJDEP SRP HazSite	
	NJDQOP	
	Other:	

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WELL 1-1 RUN to WASTE	GW	5/13/21 - 8:05	PFAS	PLASTIC
WELL 1-2 RUN to WASTE	GW	5/13/21 - 7:56	PFAS	PLASTIC
WELL 1-3 RUN to WASTE	GW	5/13/21 - 7:30	PFAS	PLASTIC
WELL 2-3-1	GW	5/13/21 - 6:40	PFAS	PLASTIC
WELL 3-2	GW	5/13/21 - 6:49	PFAS	PLASTIC
WELL 3-3	GW	5/13/21 - 6:35	PFAS	PLASTIC
BLEND FROM 3 FIELD	DW	5/13/21 - 6:43	PFAS	PLASTIC
WELL 4-1 RUN to WASTE	GW	5/13/21 - 6:15	PFAS, 1-4, DIOXANE	PLASTIC/AMBER
WELL 5-1	GW	5/13/21 - 5:25	PFAS, 1-4, DIOXANE	PLASTIC/AMBER

Comments: ~~WASTE~~ RUSH PLEASE
 3 FIELD BLEND - PH - 7.29 CL2 - 1.28

Preservation: (check all that apply)
 HCl ___ MeOH ___ HNO3 ___ H2SO4 ___ NaOH ___ ZnAc ___
 Ascorbic Acid ___ Other: Ag2SO3

1. Samples Relinquished by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
<u>WARREN BOOTH</u>	<u>5/13/21 11:05</u>	<u>AUSTEN ANONES</u>	<u>5/13/21</u>
3. Samples Relinquished by / Company	Date/Time	3. Samples Received by / Company	Date/Time
		<u>Wendy Depina</u>	<u>5/13/21 14:58</u>
4. Samples Relinquished by / Company	Date/Time	4. Samples Received in LAB by	Date/Time

Temp. Received at Lab 38 Degrees C



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Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No.
21E000

Page of

YOUR INFORMATION		Report To:		Invoice To:		Turn-Around Time	
Hampton Bays Water District		Hampton Bays Water District		Hampton Bays Water District		RUSH - Next Day	
18B Ponquogue Ave. / PO Box 1013		18B Ponquogue Ave. / PO Box 1013		PO Box 1013		RUSH - Two Day	
Hampton Bays, N.Y. 11946		Hampton Bays, N.Y. 11946		Hampton Bays N.Y. 11946		RUSH - Three Day	
(631) 728-0179 ext. 4213		(631) 728-0179		(631) 728-0179 ext. 4210		RUSH - Four Day	
Warren Booth		Warren Booth		Stella Michaels		Standard (5-7 Day) <input checked="" type="checkbox"/>	
Report To:		Report / EDD Type		YOUR PO#:			
wbooth@southamptonwnny.gov		wbooth@southamptonwnny.gov		smichaels@southamptonwnny.gov		UCMR 3	

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
PLANT #1	GW	5/13/21 - 7:54	FIELD BLANK	PLASTIC
PLANT #3	GW	5/13/21 - 6:40	FIELD BLANK	PLASTIC
PLANT #4	GW	5/13/21 - 6:15	FIELD BLANK	PLASTIC
PLANT #5	GW	5/13/21 - 5:05	FIELD BLANK	PLASTIC
BLEND INFLUENT GAC	GW	5/13/21 - 7:45	FIELD BLANK	PLASTIC
BLEND EFFLUENT GAC	GW	5/13/21 - 7:51	FIELD BLANK	PLASTIC
BLEND INFLUENT GAC	GW	5/13/21 - 7:45	PFAS	PLASTIC
BLEND EFFLUENT GAC	GW	5/13/21 - 7:51	PFAS	PLASTIC

Comments: RUSH PLEASE

1. Samples Relinquished by / Company: *ANSELMO ANSELMO* Date/Time: *5/13/21 11:05*

2. Samples Relinquished by / Company: *ANSELMO ANSELMO* Date/Time: *5/13/21*

3. Samples Relinquished by / Company: *ANSELMO ANSELMO* Date/Time: *5/13/21 14:38*

4. Samples Relinquished by / Company: *ANSELMO ANSELMO* Date/Time: *5/13/21 14:38*

Temp. Received at Lab: *3.8* Degrees C