Technical Report
for
Emerging Contaminants

prepared for:

Hampton Bays Water District
18B Ponquoque Ave
Hampton Bays NY, 11946
Attention: Keith Tuthill Jr.

Report Date: 06/04/2024
Client Project ID: PFAS 5/23
York Project (SDG) No.: 24E1715

Stratford, CT Laboratory IDs:
NY:10854, NJ: CT005, PA: 68-0440, CT: PH-0723

Richmond Hill, NY Laboratory IDs:
NY:12058, NJ: NY037, CT: PH-0721, NH: 2097,
EPA: NY01600

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

Report Date: 06/04/2024
Client Project ID: PFAS 5/23
York Project (SDG) No.: 24E1715

Hampton Bays Water District
18B Ponquoque Ave
Hampton Bays NY, 11946
Attention: Keith Tuthill Jr.

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 24, 2024 and listed below. The project was identified as your project: **PFAS 5/23**.

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.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
24E1715-01	Blended Influent GAC RAN TO WASTE	Drinking Water	05/23/2024	05/24/2024
24E1715-02	Blended Influent GAC (FB)	Drinking Water	05/23/2024	05/24/2024
24E1715-03	Vessel A GAC RAN TO WASTE	Drinking Water	05/23/2024	05/24/2024
24E1715-04	Vessel A GAC (FB)	Drinking Water	05/23/2024	05/24/2024
24E1715-05	Vessel B GAC RAN TO WASTE	Drinking Water	05/23/2024	05/24/2024
24E1715-06	Vessel B GAC (FB)	Drinking Water	05/23/2024	05/24/2024

General Notes for York Project (SDG) No.: 24E1715

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, NJ Cert No. CT005, PA Cert No. 68-04440, CT Cert No. PH-0723; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058, NJ Cert No. NY037, CT Cert No. PH-0721, NH Cert No. 2097, EPA Cert No. NY01600.

Approved By: Cassie L. Mosher

Cassie L. Mosher
Laboratory Manager

Date: 06/04/2024

Sample Information

Client Sample ID: **Blended Influent GAC RAN TO WASTE** **York Sample ID:** **24E1715-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
919005-14-4	ADONA	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
756426-58-1	9CL-PF3ONS	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
763051-92-9	11CL-PF3OUdS	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
13252-13-6	HFPO-DA (Gen-X)	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
375-73-5	**Perfluorobutanesulfonic acid (PFBS)**	**3.07**		10	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		10	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
375-85-9	**Perfluoroheptanoic acid (PFHpA)**	**4.96**		10	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
355-46-4	**Perfluorohexanesulfonic acid (PFHxS)**	**16.2**		10	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
307-24-4	**Perfluorohexanoic acid (PFHxA)**	**7.28**		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
375-95-1	**Perfluorononanoic acid (PFNA)**	**5.97**		10	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
1763-23-1	**Perfluorooctanesulfonic acid (PFOS)**	**40.2**		4	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
335-67-1	**Perfluorooctanoic acid (PFOA)**	**5.88**		4	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
2058-94-8	**Perfluoroundecanoic acid (PFUnA)**	**3.80**		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
375-22-4	**Perfluoro-n-butanoic acid (PFBA)**	**4.16**		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		-	ng/L	1.85	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
27619-97-2	**1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)**	**2.61**		-	ng/L	1.85	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		-	ng/L	1.85	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	

Sample Information

Client Sample ID: **Blended Influent GAC RAN TO WASTE** **York Sample ID:** **24E1715-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
2706-90-3	**Perfluoropentanoic acid (PFPeA)**	8.71		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		-	ng/L	0.926	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:05	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: MPFDoA	*67.6 %*	*50-200*
Surrogate: MPFBA	*69.2 %*	*50-200*
Surrogate: M9PFNA	*64.7 %*	*50-200*
Surrogate: M8PFOS	*66.0 %*	*50-200*
Surrogate: M8PFOA	*81.3 %*	*50-200*
Surrogate: M7PFUdA	*66.4 %*	*50-200*
Surrogate: M6PFDA	*68.6 %*	*50-200*
Surrogate: M5PFPeA	*65.7 %*	*50-200*
Surrogate: M5PFHxA	*77.5 %*	*50-200*
Surrogate: M4PFHpA	*72.2 %*	*50-200*
Surrogate: M3PFHxS	*81.2 %*	*50-200*
Surrogate: M3PFBS	*70.1 %*	*50-200*
Surrogate: M3HFPO-DA	*60.3 %*	*50-200*
Surrogate: M2-8:2 FTS	*78.4 %*	*50-200*
Surrogate: M2-6:2 FTS	*105 %*	*50-200*
Surrogate: M2-4:2 FTS	*90.5 %*	*50-200*

PFAS, EPA 537.1 UCMR5 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		-	ng/L	0.926	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:16	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND	PFLL	-	ng/L	0.926	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:16	
2355-31-9	N-MeFOSAA	ND		-	ng/L	0.926	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:16	
2991-50-6	N-EtFOSAA	ND	PFLL	-	ng/L	0.926	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:16	

Sample Information

Client Sample ID: **Blended Influent GAC RAN TO WASTE** **York Sample ID:** **24E1715-01**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 537.1 UCMR5 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
	Surrogate Recoveries	**Result**		**Acceptance Range**					
	Surrogate: d5-N-EtFOSAA	*64.1 %*	PFSu-L	*70-130*					
	Surrogate: MPFDA	*86.8 %*		*70-130*					
	Surrogate: MPFHxA	*83.8 %*		*70-130*					
	Surrogate: M3HFPO-DA	*82.4 %*		*70-130*					

Sample Information

Client Sample ID: **Blended Influent GAC (FB)** **York Sample ID:** **24E1715-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
919005-14-4	ADONA	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
756426-58-1	9CL-PF3ONS	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
763051-92-9	11CL-PF3OUdS	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
13252-13-6	HFPO-DA (Gen-X)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		10	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		10	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		10	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		10	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
375-95-1	Perfluorononanoic acid (PFNA)	ND		10	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		4	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	

Sample Information

Client Sample ID: **Blended Influent GAC (FB)** **York Sample ID:** **24E1715-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
335-67-1	Perfluorooctanoic acid (PFOA)	ND		4	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		-	ng/L	1.82	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		-	ng/L	1.82	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		-	ng/L	1.82	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 18:19	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: MPFDoA	*65.7 %*	*50-200*
Surrogate: MPFBA	*71.4 %*	*50-200*
Surrogate: M9PFNA	*66.0 %*	*50-200*
Surrogate: M8PFOS	*72.0 %*	*50-200*
Surrogate: M8PFOA	*79.2 %*	*50-200*
Surrogate: M7PFUdA	*61.6 %*	*50-200*
Surrogate: M6PFDA	*69.6 %*	*50-200*
Surrogate: M5PFPeA	*70.5 %*	*50-200*
Surrogate: M5PFHxA	*77.9 %*	*50-200*
Surrogate: M4PFHpA	*76.1 %*	*50-200*
Surrogate: M3PFHxS	*83.9 %*	*50-200*
Surrogate: M3PFBS	*72.2 %*	*50-200*
Surrogate: M3HFPO-DA	*69.7 %*	*50-200*
Surrogate: M2-8:2 FTS	*67.3 %*	*50-200*

Sample Information

Client Sample ID: **Blended Influent GAC (FB)** **York Sample ID:** **24E1715-02**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

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

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
	Surrogate: M2-6:2 FTS	*97.5 %*		*50-200*					
	Surrogate: M2-4:2 FTS	*74.2 %*		*50-200*					

PFAS, EPA 537.1 UCMR5 List

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

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:28	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND	PFLL	-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:28	
2355-31-9	N-MeFOSAA	ND		-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:28	
2991-50-6	N-EtFOSAA	ND	PFLL	-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:28	

Surrogate Recoveries	Result		Acceptance Range
Surrogate: d5-N-EtFOSAA	*56.3 %*	PFSu-L	*70-130*
Surrogate: MPFDA	*103 %*		*70-130*
Surrogate: MPFHxA	*88.5 %*		*70-130*
Surrogate: M3HFPO-DA	*96.9 %*		*70-130*

Sample Information

Client Sample ID: **Vessel A GAC RAN TO WASTE** **York Sample ID:** **24E1715-03**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

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

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
919005-14-4	ADONA	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
756426-58-1	9CL-PF3ONS	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
763051-92-9	11CL-PF3OUdS	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
13252-13-6	HFPO-DA (Gen-X)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		10	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	

Sample Information

Client Sample ID: Vessel A GAC RAN TO WASTE

York Sample ID: 24E1715-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
335-76-2	Perfluorodecanoic acid (PFDA)	ND		10	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		10	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		10	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
375-95-1	Perfluorononanoic acid (PFNA)	ND		10	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		4	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		4	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		-	ng/L	1.82	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		-	ng/L	1.82	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		-	ng/L	1.82	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		-	ng/L	0.909	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:12	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: MPFDoA	*77.3 %*	*50-200*
Surrogate: MPFBA	*74.8 %*	*50-200*

Sample Information

Client Sample ID: Vessel A GAC RAN TO WASTE **York Sample ID:** 24E1715-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
	Surrogate: M9PFNA	*72.4 %*		*50-200*					
	Surrogate: M8PFOS	*69.2 %*		*50-200*					
	Surrogate: M8PFOA	*84.2 %*		*50-200*					
	Surrogate: M7PFUdA	*76.5 %*		*50-200*					
	Surrogate: M6PFDA	*77.2 %*		*50-200*					
	Surrogate: M5PFPeA	*71.3 %*		*50-200*					
	Surrogate: M5PFHxA	*91.0 %*		*50-200*					
	Surrogate: M4PFHpA	*79.7 %*		*50-200*					
	Surrogate: M3PFHxS	*81.2 %*		*50-200*					
	Surrogate: M3PFBS	*76.5 %*		*50-200*					
	Surrogate: M3HFPO-DA	*86.0 %*		*50-200*					
	Surrogate: M2-8:2 FTS	*53.8 %*		*50-200*					
	Surrogate: M2-6:2 FTS	*54.2 %*		*50-200*					
	Surrogate: M2-4:2 FTS	*49.2 %*	PFSu-L	*50-200*					

PFAS, EPA 537.1 UCMR5 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		-	ng/L	0.909	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:40	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND	PFLL	-	ng/L	0.909	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:40	
2355-31-9	N-MeFOSAA	ND		-	ng/L	0.909	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:40	
2991-50-6	N-EtFOSAA	ND	PFLL	-	ng/L	0.909	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:40	

Surrogate Recoveries	Result		Acceptance Range
Surrogate: d5-N-EtFOSAA	*67.6 %*	PFSu-L	*70-130*
Surrogate: MPFDA	*96.5 %*		*70-130*
Surrogate: MPFHxA	*88.7 %*		*70-130*
Surrogate: M3HFPO-DA	*91.1 %*		*70-130*

Sample Information

Client Sample ID: Vessel A GAC (FB) **York Sample ID:** 24E1715-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

Sample Information

Client Sample ID: **Vessel A GAC (FB)** **York Sample ID:** **24E1715-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
919005-14-4	ADONA	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
756426-58-1	9CL-PF3ONS	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
763051-92-9	11CL-PF3OUdS	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
13252-13-6	HFPO-DA (Gen-X)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		10	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		10	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		10	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		10	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
375-95-1	Perfluorononanoic acid (PFNA)	ND		10	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		4	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		4	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		-	ng/L	1.92	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		-	ng/L	1.92	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		-	ng/L	1.92	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	

Sample Information

Client Sample ID: **Vessel A GAC (FB)** **York Sample ID:** **24E1715-04**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		-	ng/L	0.962	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:26	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: MPFDoA	*85.0 %*	*50-200*
Surrogate: MPFBA	*79.7 %*	*50-200*
Surrogate: M9PFNA	*84.5 %*	*50-200*
Surrogate: M8PFOS	*77.5 %*	*50-200*
Surrogate: M8PFOA	*87.0 %*	*50-200*
Surrogate: M7PFUdA	*81.6 %*	*50-200*
Surrogate: M6PFDA	*84.3 %*	*50-200*
Surrogate: M5PFPeA	*78.3 %*	*50-200*
Surrogate: M5PFHxA	*94.3 %*	*50-200*
Surrogate: M4PFHpA	*86.8 %*	*50-200*
Surrogate: M3PFHxS	*80.6 %*	*50-200*
Surrogate: M3PFBS	*75.7 %*	*50-200*
Surrogate: M3HFPO-DA	*83.4 %*	*50-200*
Surrogate: M2-8:2 FTS	*60.1 %*	*50-200*
Surrogate: M2-6:2 FTS	*57.2 %*	*50-200*
Surrogate: M2-4:2 FTS	*51.7 %*	*50-200*

PFAS, EPA 537.1 UCMR5 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:52	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND	PFLL	-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:52	
2355-31-9	N-MeFOSAA	ND		-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:52	
2991-50-6	N-EtFOSAA	ND	PFLL	-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 14:52	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	*73.9 %*	*70-130*
Surrogate: MPFDA	*92.5 %*	*70-130*
Surrogate: MPFHxA	*78.0 %*	*70-130*

Sample Information

Client Sample ID: Vessel A GAC (FB) **York Sample ID:** 24E1715-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 537.1 UCMR5 List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
	Surrogate: M3HFPO-DA	*78.0 %*		*70-130*					

Sample Information

Client Sample ID: Vessel B GAC RAN TO WASTE **York Sample ID:** 24E1715-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
919005-14-4	ADONA	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
756426-58-1	9CL-PF3ONS	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
763051-92-9	11CL-PF3OUdS	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
13252-13-6	HFPO-DA (Gen-X)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		10	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		10	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		10	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		10	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
375-95-1	Perfluorononanoic acid (PFNA)	ND		10	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		4	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		4	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	

Sample Information

Client Sample ID: Vessel B GAC RAN TO WASTE **York Sample ID:** 24E1715-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		-	ng/L	1.79	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		-	ng/L	1.79	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		-	ng/L	1.79	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:40	

Surrogate Recoveries	Result		Acceptance Range
Surrogate: MPFDoA	*75.0 %*		*50-200*
Surrogate: MPFBA	*70.3 %*		*50-200*
Surrogate: M9PFNA	*70.3 %*		*50-200*
Surrogate: M8PFOS	*66.0 %*		*50-200*
Surrogate: M8PFOA	*78.1 %*		*50-200*
Surrogate: M7PFUdA	*68.5 %*		*50-200*
Surrogate: M6PFDA	*73.9 %*		*50-200*
Surrogate: M5PFPeA	*69.7 %*		*50-200*
Surrogate: M5PFHxA	*78.3 %*		*50-200*
Surrogate: M4PFHpA	*74.5 %*		*50-200*
Surrogate: M3PFHxS	*70.2 %*		*50-200*
Surrogate: M3PFBS	*66.7 %*		*50-200*
Surrogate: M3HFPO-DA	*75.4 %*		*50-200*
Surrogate: M2-8:2 FTS	*50.2 %*		*50-200*
Surrogate: M2-6:2 FTS	*47.0 %*	PFSu-L	*50-200*
Surrogate: M2-4:2 FTS	*43.9 %*	PFSu-L	*50-200*

PFAS, EPA 537.1 UCMR5 List

Log-in Notes:

Sample Notes:

Sample Information

Client Sample ID: Vessel B GAC RAN TO WASTE **York Sample ID:** 24E1715-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 15:05	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND	PFLL	-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 15:05	
2355-31-9	N-MeFOSAA	ND		-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 15:05	
2991-50-6	N-EtFOSAA	ND	PFLL	-	ng/L	0.893	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 15:05	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	*85.7 %*	*70-130*
Surrogate: MPFDA	*95.1 %*	*70-130*
Surrogate: MPFHxA	*91.2 %*	*70-130*
Surrogate: M3HFPO-DA	*84.1 %*	*70-130*

Sample Information

Client Sample ID: Vessel B GAC (FB) **York Sample ID:** 24E1715-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
919005-14-4	ADONA	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
756426-58-1	9CL-PF3ONS	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
763051-92-9	11CL-PF3OUdS	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
13252-13-6	HFPO-DA (Gen-X)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		10	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		10	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		10	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		10	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	

Sample Information

Client Sample ID: Vessel B GAC (FB) **York Sample ID:** 24E1715-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List **Log-in Notes:** **Sample Notes:**

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
375-95-1	Perfluorononanoic acid (PFNA)	ND		10	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		4	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		4	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
757124-72-4	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
2706-91-4	Perfluoro-1-pentanesulfonate (PFPeS)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
375-22-4	Perfluoro-n-butanoic acid (PFBA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
39108-34-4	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND		-	ng/L	1.79	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
27619-97-2	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND		-	ng/L	1.79	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
375-92-8	Perfluoro-1-heptanesulfonic acid (PFHpS)	ND		-	ng/L	1.79	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
2706-90-3	Perfluoropentanoic acid (PFPeA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
863090-89-5	Perfluoro-5-oxahexanoic acid (PFMBA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
377-73-1	Perfluoro-4-oxapentanoic acid (PFMPA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
151772-58-6	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	
113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND		-	ng/L	0.893	EPA 533	05/28/2024 12:31	ESJ
					Certifications:		NELAC-NY12058	06/03/2024 20:54	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: MPFDoA	*71.5 %*	*50-200*
Surrogate: MPFBA	*72.9 %*	*50-200*
Surrogate: M9PFNA	*73.8 %*	*50-200*
Surrogate: M8PFOS	*69.2 %*	*50-200*
Surrogate: M8PFOA	*79.3 %*	*50-200*
Surrogate: M7PFUdA	*71.8 %*	*50-200*
Surrogate: M6PFDA	*76.1 %*	*50-200*
Surrogate: M5PFPeA	*71.7 %*	*50-200*
Surrogate: M5PFHxA	*83.9 %*	*50-200*

Sample Information

Client Sample ID: **Vessel B GAC (FB)** **York Sample ID:** **24E1715-06**

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
24E1715	PFAS 5/23	Drinking Water	May 23, 2024 10:40 am	05/24/2024

PFAS, EPA 533 Target List

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

Sample Prepared by Method: EPA 533

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
	Surrogate: M4PFHpA	*79.3 %*		*50-200*					
	Surrogate: M3PFHxS	*72.5 %*		*50-200*					
	Surrogate: M3PFBS	*70.1 %*		*50-200*					
	Surrogate: M3HFPO-DA	*74.5 %*		*50-200*					
	Surrogate: M2-8:2 FTS	*50.1 %*		*50-200*					
	Surrogate: M2-6:2 FTS	*52.7 %*		*50-200*					
	Surrogate: M2-4:2 FTS	*47.2 %*	PFSu-L	*50-200*					

PFAS, EPA 537.1 UCMR5 List

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

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level MCL	Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		-	ng/L	0.877	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 15:17	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND	PFLL	-	ng/L	0.877	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 15:17	
2355-31-9	N-MeFOSAA	ND		-	ng/L	0.877	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 15:17	
2991-50-6	N-EtFOSAA	ND	PFLL	-	ng/L	0.877	EPA 537.1	05/30/2024 08:34	KT
					Certifications:		NELAC-NY12058	06/03/2024 15:17	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	*80.4 %*	*70-130*
Surrogate: MPFDA	*98.4 %*	*70-130*
Surrogate: MPFHxA	*88.4 %*	*70-130*
Surrogate: M3HFPO-DA	*91.8 %*	*70-130*

Analytical Batch Summary

Batch ID: BE41827 **Preparation Method:** EPA 533 **Prepared By:** K H

YORK Sample ID	Client Sample ID	Preparation Date
24E1715-01	Blended Influent GAC RAN TC	05/28/24
24E1715-02	Blended Influent GAC (FB)	05/28/24
24E1715-03	Vessel A GAC RAN TO WAST	05/28/24
24E1715-04	Vessel A GAC (FB)	05/28/24
24E1715-05	Vessel B GAC RAN TO WAST	05/28/24
24E1715-06	Vessel B GAC (FB)	05/28/24
BE41827-BLK1	Blank	05/28/24
BE41827-BS1	LCS	05/28/24
BE41827-DUP1	Duplicate	05/28/24
BE41827-MS1	Matrix Spike	05/28/24

Batch ID: BE41981 **Preparation Method:** EPA 537.1 SPE DVB **Prepared By:** K H

YORK Sample ID	Client Sample ID	Preparation Date
24E1715-01	Blended Influent GAC RAN TC	05/30/24
24E1715-02	Blended Influent GAC (FB)	05/30/24
24E1715-03	Vessel A GAC RAN TO WAST	05/30/24
24E1715-04	Vessel A GAC (FB)	05/30/24
24E1715-05	Vessel B GAC RAN TO WAST	05/30/24
24E1715-06	Vessel B GAC (FB)	05/30/24
BE41981-BLK1	Blank	05/30/24
BE41981-BS1	LCS	05/30/24
BE41981-BS2	LCS	05/30/24
BE41981-DUP1	Duplicate	05/30/24
BE41981-MS1	Matrix Spike	05/30/24

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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41827 - EPA 533											
Blank (BE41827-BLK1)									Prepared: 05/28/2024 Analyzed: 06/03/2024		
ADONA	ND	1.00	ng/L								
9CL-PF3ONS	ND	1.00	"								
11CL-PF3OUdS	ND	1.00	"								
HFPO-DA (Gen-X)	ND	1.00	"								
Perfluorobutanesulfonic acid (PFBS)	ND	1.00	"								
Perfluorodecanoic acid (PFDA)	ND	1.00	"								
Perfluorododecanoic acid (PFDoA)	ND	1.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	1.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.00	"								
Perfluorohexanoic acid (PFHxA)	ND	1.00	"								
Perfluorononanoic acid (PFNA)	ND	1.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	1.00	"								
Perfluorooctanoic acid (PFOA)	ND	1.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	1.00	"								
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	1.00	"								
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.00	"								
Perfluoro-n-butanoic acid (PFBA)	ND	1.00	"								
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.00	"								
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	2.00	"								
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.00	"								
Perfluoropentanoic acid (PFPeA)	ND	1.00	"								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.00	"								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.00	"								
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.00	"								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.00	"								
Surrogate: MPFDoA	*11.9*		*"*	*20.0*		*59.7*	*50-200*				
Surrogate: MPFBA	*15.3*		*"*	*20.0*		*76.3*	*50-200*				
Surrogate: M9PFNA	*15.6*		*"*	*20.0*		*77.8*	*50-200*				
Surrogate: M8PFOS	*14.0*		*"*	*19.2*		*73.3*	*50-200*				
Surrogate: M8PFOA	*17.8*		*"*	*20.0*		*88.9*	*50-200*				
Surrogate: M7PFUdA	*14.4*		*"*	*20.0*		*71.8*	*50-200*				
Surrogate: M6PFDA	*15.8*		*"*	*20.0*		*79.0*	*50-200*				
Surrogate: M5PFPeA	*14.4*		*"*	*20.0*		*71.8*	*50-200*				
Surrogate: M5PFHxA	*15.7*		*"*	*20.0*		*78.5*	*50-200*				
Surrogate: M4PFHpA	*14.5*		*"*	*20.0*		*72.7*	*50-200*				
Surrogate: M3PFHxS	*16.1*		*"*	*19.0*		*84.7*	*50-200*				
Surrogate: M3PFBS	*14.1*		*"*	*18.6*		*75.9*	*50-200*				
Surrogate: M3HFPO-DA	*14.1*		*"*	*20.0*		*70.7*	*50-200*				
Surrogate: M2-8:2 FTS	*72.0*		*"*	*76.8*		*93.7*	*50-200*				
Surrogate: M2-6:2 FTS	*88.4*		*"*	*76.0*		*116*	*50-200*				
Surrogate: M2-4:2 FTS	*63.2*		*"*	*75.2*		*84.0*	*50-200*				

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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41827 - EPA 533											
LCS (BE41827-BS1)									Prepared: 05/28/2024 Analyzed: 06/03/2024		
ADONA	42.9	1.00	ng/L	37.8		113	70-130				
9CL-PF3ONS	37.2	1.00	"	37.4		99.5	70-130				
11CL-PF3OUdS	36.6	1.00	"	37.8		96.8	70-130				
HFPO-DA (Gen-X)	41.9	1.00	"	40.0		105	70-130				
Perfluorobutanesulfonic acid (PFBS)	39.7	1.00	"	35.5		112	70-130				
Perfluorodecanoic acid (PFDA)	41.4	1.00	"	40.0		104	70-130				
Perfluorododecanoic acid (PFDoA)	42.5	1.00	"	40.0		106	70-130				
Perfluoroheptanoic acid (PFHpA)	44.2	1.00	"	40.0		110	70-130				
Perfluorohexanesulfonic acid (PFHxS)	37.6	1.00	"	36.5		103	70-130				
Perfluorohexanoic acid (PFHxA)	41.5	1.00	"	40.0		104	70-130				
Perfluorononanoic acid (PFNA)	39.6	1.00	"	40.0		98.9	70-130				
Perfluorooctanesulfonic acid (PFOS)	41.8	1.00	"	37.1		113	70-130				
Perfluorooctanoic acid (PFOA)	37.9	1.00	"	40.0		94.8	70-130				
Perfluoroundecanoic acid (PFUnA)	42.0	1.00	"	40.0		105	70-130				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	41.6	1.00	"	37.5		111	70-130				
Perfluoro-1-pentanesulfonate (PFPeS)	38.4	1.00	"	37.6		102	70-130				
Perfluoro-n-butanoic acid (PFBA)	44.1	1.00	"	40.0		110	70-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	40.8	2.00	"	38.4		106	70-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	40.5	2.00	"	38.1		106	70-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	38.9	2.00	"	38.2		102	70-130				
Perfluoropentanoic acid (PFPeA)	42.9	1.00	"	40.0		107	70-130				
Perfluoro-5-oxahexanoic acid (PFMBA)	44.3	1.00	"	40.0		111	70-130				
Perfluoro-4-oxapentanoic acid (PFMPA)	42.4	1.00	"	40.0		106	70-130				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	34.9	1.00	"	40.0		87.3	70-130				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	35.1	1.00	"	35.7		98.5	70-130				
Surrogate: MPFDoA	*12.2*		"	*20.0*		*61.1*	*50-200*				
Surrogate: MPFBA	*15.1*		"	*20.0*		*75.5*	*50-200*				
Surrogate: M9PFNA	*15.7*		"	*20.0*		*78.3*	*50-200*				
Surrogate: M8PFOS	*13.5*		"	*19.2*		*70.5*	*50-200*				
Surrogate: M8PFOA	*16.8*		"	*20.0*		*84.0*	*50-200*				
Surrogate: M7PFUdA	*15.7*		"	*20.0*		*78.4*	*50-200*				
Surrogate: M6PFDA	*16.4*		"	*20.0*		*82.0*	*50-200*				
Surrogate: M5PFPeA	*14.5*		"	*20.0*		*72.3*	*50-200*				
Surrogate: M5PFHxA	*16.4*		"	*20.0*		*81.9*	*50-200*				
Surrogate: M4PFHpA	*15.3*		"	*20.0*		*76.5*	*50-200*				
Surrogate: M3PFHxS	*15.3*		"	*19.0*		*80.7*	*50-200*				
Surrogate: M3PFBS	*13.5*		"	*18.6*		*72.6*	*50-200*				
Surrogate: M3HFPO-DA	*15.3*		"	*20.0*		*76.5*	*50-200*				
Surrogate: M2-8:2 FTS	*57.6*		"	*76.8*		*74.9*	*50-200*				
Surrogate: M2-6:2 FTS	*63.7*		"	*76.0*		*83.8*	*50-200*				
Surrogate: M2-4:2 FTS	*50.9*		"	*75.2*		*67.6*	*50-200*				

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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41827 - EPA 533											
Duplicate (BE41827-DUP1)	*Source sample: 24E1611-01 (Duplicate)								Prepared: 05/28/2024 Analyzed: 06/03/2024		
ADONA	ND	1.11	ng/L		ND					30	
9CL-PF3ONS	ND	1.11	"		ND					30	
11CL-PF3OUdS	ND	1.11	"		ND					30	
HFPO-DA (Gen-X)	ND	1.11	"		ND					30	
Perfluorobutanesulfonic acid (PFBS)	1.36	1.11	"		1.12				19.0	30	
Perfluorodecanoic acid (PFDA)	0.904	1.11	"		1.01				10.8	30	
Perfluorododecanoic acid (PFDoA)	ND	1.11	"		ND					30	
Perfluoroheptanoic acid (PFHpA)	3.17	1.11	"		3.02				4.97	30	
Perfluorohexanesulfonic acid (PFHxS)	ND	1.11	"		ND					30	
Perfluorohexanoic acid (PFHxA)	2.84	1.11	"		2.71				4.59	30	
Perfluorononanoic acid (PFNA)	1.30	1.11	"		1.18				9.73	30	
Perfluorooctanesulfonic acid (PFOS)	1.37	1.11	"		2.53				59.6	30	Non-dir.
Perfluorooctanoic acid (PFOA)	12.1	1.11	"		11.2				8.10	30	
Perfluoroundecanoic acid (PFUnA)	ND	1.11	"		ND					30	
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	ND	1.11	"		ND					30	
Perfluoro-1-pentanesulfonate (PFPeS)	ND	1.11	"		ND					30	
Perfluoro-n-butanoic acid (PFBA)	3.80	1.11	"		3.46				9.23	30	
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	ND	2.22	"		ND					30	
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	ND	2.22	"		ND					30	
Perfluoro-1-heptanesulfonic acid (PFHpS)	ND	2.22	"		ND					30	
Perfluoropentanoic acid (PFPeA)	3.24	1.11	"		3.07				5.31	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.11	"		ND					30	
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.11	"		ND					30	
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.11	"		ND					30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.11	"		ND					30	
Surrogate: MPFDoA	*15.1*		"	*22.2*		*68.1*	*50-200*				
Surrogate: MPFBA	*15.9*		"	*22.2*		*71.5*	*50-200*				
Surrogate: M9PFNA	*16.4*		"	*22.2*		*73.6*	*50-200*				
Surrogate: M8PFOS	*15.0*		"	*21.3*		*70.6*	*50-200*				
Surrogate: M8PFOA	*18.4*		"	*22.2*		*82.7*	*50-200*				
Surrogate: M7PFUdA	*16.3*		"	*22.2*		*73.4*	*50-200*				
Surrogate: M6PFDA	*16.9*		"	*22.2*		*76.0*	*50-200*				
Surrogate: M5PFPeA	*14.9*		"	*22.2*		*67.0*	*50-200*				
Surrogate: M5PFHxA	*17.8*		"	*22.2*		*79.9*	*50-200*				
Surrogate: M4PFHpA	*16.9*		"	*22.2*		*76.1*	*50-200*				
Surrogate: M3PFHxS	*18.6*		"	*21.1*		*88.1*	*50-200*				
Surrogate: M3PFBS	*15.3*		"	*20.7*		*73.9*	*50-200*				
Surrogate: M3HFPO-DA	*15.8*		"	*22.2*		*70.9*	*50-200*				
Surrogate: M2-8:2 FTS	*72.6*		"	*85.3*		*85.1*	*50-200*				
Surrogate: M2-6:2 FTS	*96.0*		"	*84.4*		*114*	*50-200*				
Surrogate: M2-4:2 FTS	*75.5*		"	*83.6*		*90.4*	*50-200*				

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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41827 - EPA 533											
Matrix Spike (BE41827-MS1)	*Source sample: 24E1616-01 (Matrix Spike)							Prepared: 05/28/2024 Analyzed: 06/03/2024			
ADONA	55.6	1.19	ng/L	45.0	ND	123	70-130				
9CL-PF3ONS	46.3	1.19	"	44.5	ND	104	70-130				
11CL-PF3OUdS	47.2	1.19	"	45.0	ND	105	70-130				
HFPO-DA (Gen-X)	41.8	1.19	"	47.6	ND	87.7	70-130				
Perfluorobutanesulfonic acid (PFBS)	54.2	1.19	"	42.3	3.48	120	70-130				
Perfluorodecanoic acid (PFDA)	47.4	1.19	"	47.6	ND	99.5	70-130				
Perfluorododecanoic acid (PFDoA)	51.4	1.19	"	47.6	ND	108	70-130				
Perfluoroheptanoic acid (PFHpA)	58.4	1.19	"	47.6	2.12	118	70-130				
Perfluorohexanesulfonic acid (PFHxS)	48.8	1.19	"	43.4	ND	112	70-130				
Perfluorohexanoic acid (PFHxA)	51.9	1.19	"	47.6	1.60	106	70-130				
Perfluorononanoic acid (PFNA)	46.3	1.19	"	47.6	0.687	95.7	70-130				
Perfluorooctanesulfonic acid (PFOS)	51.3	1.19	"	44.2	1.29	113	70-130				
Perfluorooctanoic acid (PFOA)	50.3	1.19	"	47.6	6.08	92.9	70-130				
Perfluoroundecanoic acid (PFUnA)	50.4	1.19	"	47.6	ND	106	70-130				
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	48.1	1.19	"	44.7	ND	108	70-130				
Perfluoro-1-pentanesulfonate (PFPeS)	47.2	1.19	"	44.8	ND	106	70-130				
Perfluoro-n-butanoic acid (PFBA)	52.6	1.19	"	47.6	2.39	106	70-130				
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	45.5	2.38	"	45.7	ND	99.5	70-130				
1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	47.0	2.38	"	45.3	ND	104	70-130				
Perfluoro-1-heptanesulfonic acid (PFHpS)	45.6	2.38	"	45.4	ND	100	70-130				
Perfluoropentanoic acid (PFPeA)	51.8	1.19	"	47.6	1.26	106	70-130				
Perfluoro-5-oxahexanoic acid (PFMBA)	50.3	1.19	"	47.6	ND	106	70-130				
Perfluoro-4-oxapentanoic acid (PFMPA)	49.4	1.19	"	47.6	ND	104	70-130				
Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	44.7	1.19	"	47.6	ND	93.9	70-130				
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	43.5	1.19	"	42.5	ND	102	70-130				
Surrogate: MPFDoA	*20.3*		"	*23.8*		*85.2*	*50-200*				
Surrogate: MPFBA	*17.3*		"	*23.8*		*72.6*	*50-200*				
Surrogate: M9PFNA	*18.8*		"	*23.8*		*79.1*	*50-200*				
Surrogate: M8PFOS	*16.3*		"	*22.8*		*71.7*	*50-200*				
Surrogate: M8PFOA	*19.7*		"	*23.8*		*82.6*	*50-200*				
Surrogate: M7PFUdA	*19.0*		"	*23.8*		*79.8*	*50-200*				
Surrogate: M6PFDA	*20.0*		"	*23.8*		*84.0*	*50-200*				
Surrogate: M5PFPeA	*16.7*		"	*23.8*		*70.3*	*50-200*				
Surrogate: M5PFHxA	*21.2*		"	*23.8*		*88.9*	*50-200*				
Surrogate: M4PFHpA	*18.1*		"	*23.8*		*75.9*	*50-200*				
Surrogate: M3PFHxS	*17.0*		"	*22.6*		*75.1*	*50-200*				
Surrogate: M3PFBS	*16.2*		"	*22.2*		*73.1*	*50-200*				
Surrogate: M3HFPO-DA	*21.3*		"	*23.8*		*89.5*	*50-200*				
Surrogate: M2-8:2 FTS	*47.6*		"	*91.4*		*52.1*	*50-200*				
Surrogate: M2-6:2 FTS	*43.9*		"	*90.5*		*48.6*	*50-200*				
Surrogate: M2-4:2 FTS	*50.1*		"	*89.5*		*56.0*	*50-200*				

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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41981 - EPA 537.1 SPE DVB											
Blank (BE41981-BLK1)								Prepared: 05/30/2024 Analyzed: 06/03/2024			
Perfluorotridecanoic acid (PFTrDA)	ND	2.00	ng/L								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
Surrogate: d5-N-EtFOSAA	*202*		*"*	*320*		*63.0*	*70-130*				
Surrogate: MPFDA	*79.5*		*"*	*80.0*		*99.3*	*70-130*				
Surrogate: MPFHxA	*68.4*		*"*	*80.0*		*85.5*	*70-130*				
Surrogate: M3HFPO-DA	*76.3*		*"*	*80.0*		*95.4*	*70-130*				
LCS (BE41981-BS1)								Prepared: 05/30/2024 Analyzed: 06/03/2024			
Perfluorotridecanoic acid (PFTrDA)	29.6	2.00	ng/L	40.0		74.0	70-130				
Perfluorotetradecanoic acid (PFTA)	24.3	2.00	"	40.0		60.7	70-130	Low Bias			
N-MeFOSAA	35.3	2.00	"	40.0		88.2	70-130				
N-EtFOSAA	25.3	2.00	"	40.0		63.3	70-130	Low Bias			
Surrogate: d5-N-EtFOSAA	*210*		*"*	*320*		*65.6*	*70-130*				
Surrogate: MPFDA	*80.6*		*"*	*80.0*		*101*	*70-130*				
Surrogate: MPFHxA	*69.5*		*"*	*80.0*		*86.9*	*70-130*				
Surrogate: M3HFPO-DA	*69.9*		*"*	*80.0*		*87.3*	*70-130*				
LCS (BE41981-BS2)								Prepared: 05/30/2024 Analyzed: 06/03/2024			
Perfluorotridecanoic acid (PFTrDA)	3.00	2.00	ng/L	4.00		74.9	70-130				
Perfluorotetradecanoic acid (PFTA)	2.71	2.00	"	4.00		67.8	70-130	Low Bias			
N-MeFOSAA	3.40	2.00	"	4.00		85.1	70-130				
N-EtFOSAA	2.55	2.00	"	4.00		63.6	70-130	Low Bias			
Surrogate: d5-N-EtFOSAA	*205*		*"*	*320*		*64.2*	*70-130*				
Surrogate: MPFDA	*70.1*		*"*	*80.0*		*87.6*	*70-130*				
Surrogate: MPFHxA	*63.9*		*"*	*80.0*		*79.9*	*70-130*				
Surrogate: M3HFPO-DA	*65.4*		*"*	*80.0*		*81.8*	*70-130*				

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

York Analytical Laboratories, Inc. - Stratford

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BE41981 - EPA 537.1 SPE DVB											
Duplicate (BE41981-DUP1)	*Source sample: 24E1692-01 (Duplicate)								Prepared: 05/30/2024 Analyzed: 06/03/2024		
Perfluorotridecanoic acid (PFTrDA)	ND	0.926	ng/L		ND					25	
Perfluorotetradecanoic acid (PFTA)	ND	0.926	"		ND					25	
N-MeFOSAA	ND	0.926	"		ND					25	
N-EtFOSAA	ND	0.926	"		ND					25	
Surrogate: d5-N-EtFOSAA	*133*		*"*	*148*		*90.0*	*70-130*				
Surrogate: MPFDA	*35.9*		*"*	*37.0*		*96.8*	*70-130*				
Surrogate: MPFHxA	*32.2*		*"*	*37.0*		*86.9*	*70-130*				
Surrogate: M3HFPO-DA	*30.5*		*"*	*37.0*		*82.3*	*70-130*				
Matrix Spike (BE41981-MS1)	*Source sample: 24E1697-04 (Matrix Spike)								Prepared: 05/30/2024 Analyzed: 06/03/2024		
Perfluorotridecanoic acid (PFTrDA)	22.1	0.926	ng/L	37.0	ND	59.6	70-130	Low Bias			
Perfluorotetradecanoic acid (PFTA)	22.8	0.926	"	37.0	ND	61.6	70-130	Low Bias			
N-MeFOSAA	31.3	0.926	"	37.0	ND	84.6	70-130				
N-EtFOSAA	31.0	0.926	"	37.0	ND	83.8	70-130				
Surrogate: d5-N-EtFOSAA	*113*		*"*	*148*		*76.6*	*70-130*				
Surrogate: MPFDA	*28.6*		*"*	*37.0*		*77.2*	*70-130*				
Surrogate: MPFHxA	*27.6*		*"*	*37.0*		*74.5*	*70-130*				
Surrogate: M3HFPO-DA	*28.9*		*"*	*37.0*		*78.0*	*70-130*				

Sample and Data Qualifiers Relating to This Work Order

PFSu-L	The isotopically labeled surrogate recovered below lab control limits due to a matrix effect. Isotope Dilution was applied.
PFLL	The recovery for this PFAS compound was below control limits

Definitions and Other Explanations

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

YORK
ANALYTICAL LABORATORIES INC

Field Chain-of-Custody Record

York Analytical Laboratories, Inc. (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. 24E1715

120 Research Drive Stratford, CT 06615 | 132-02 89th Ave Queens, NY 11418 | 56 Church Hill Rd #2 Newtown, CT 06470 | clientservices@yorklab.com | www.yorklab.com | 800-306-YORK

Page ____ of ____

YOUR Information	Report To:	Invoice To:	YOUR Project Number	Turn-Around Time	
Hampton Bays Water District				RUSH - Next Day	
18B Ponquogue Ave Hampton Bays, NY 11946				RUSH - Two Day	X
631-728-0179			YOUR Project Name	RUSH - Three Day	
Keith Tuthill Jr				RUSH - Four Day	
				RUSH - Five Day	
ktuthilljr@southamptontownny.gov			YOUR PO#:	Standard (6-9 Day)	
				PFAS Standard is 7-10 Days	

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

Samples Collected by: (print AND sign your name)

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analyses Requested	Container Type	No.
Blended Influent GAC	GW	5/23/24 10:40AM	533, 533 FB, 537.1, 537.1 FB		
Vessel A GAC	GW	5/23/24 10:40AM	533, 533 FB, 537.1, 537.1 FB		
Vessel B GAC	GW	5/23/24 10:40AM	533, 533 FB. 537.1. 537.1 FB		

Comments: RAN TO WASTE/ PLEASE RUSH

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

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

Special Instruction
Field Filtered
Lab to Filter

Relinquished by	Date/Time	Received by	Date/Time	Received by	Date/Time
Keith Tuthill	5/23/24 / 10:40AM	RBalyok	5/24/25 1215PM	RBalyok	5/24/24 1715
[signature]	5/24/24 17:15	[signature]	5/24/24 2000	Ramma Dum	5/28/24 2000
Ramma Dum				Samples Received in LAB by: VJR	5/28/24 0930 Temperature 3.5