



architects + engineers

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October 8, 2021

Ms. Kristine Wheeler, P.E., Director
Bureau of Water Supply Protection
New York State Department of Health
Corning Tower
Empire State Plaza, Rm 1110
Albany, New York 12237

emailed To: bpwsp@health.ny.gov

Mr. Josh Mednick, P.E.
Suffolk County Department of Health Services
360 Yaphank Avenue, Ste. 1C
Yaphank, New York 11980-9653

emailed To: joshua.mednick@suffolkcountyny.gov

**Re Hampton Bays Water District
Perfluorooctanoic Acid (PFOA) and
Perfluorooctanesulfonic Acid (PFOS) MCL Deferral
Emerging Contaminant Quarterly Update – 3rd Quarter 2021
Public Water System ID# NY51033704**

Dear Ms. Wheeler and Mr. Mednick:

On behalf of the Hampton Bays Water District (District) and in accordance with the terms of the Deferral for the PFOS and PFOA MCL, which was approved on January 6, 2021 and shall be effective until August 25, 2021, our office has prepared the enclosed emerging contaminant quarterly update for the 3rd quarter of 2021 (July 1, 2021 through September 30, 2021). As the terms of the initial deferral have expired, on behalf of the District we are herewith requesting an extension of deferral for PFOS and PFOA for one year. At that point the District should be in better shape to provide wellhead treatment at the site.

Continued sampling within the District shows:

- Detections at the three Plant No. 1 wells continue to exceed regulatory limits for PFOS with detections of PFOA approaching the limit. Treatment is maintained at this site with results for all PFA compounds being non-detect in the filter effluent.
- No detections have been shown in the product of the four wells at Plant No. 2 and Plant No. 4.
- Well No. 3-1 continues to show no detections of PFOS or PFOA.
- Well No. 3-2 continues to show detections of PFOS, just below the 10 ng/l MCL. Detections of PFOA have been sporadic. The well currently is the last-on well at this well field and will only operate when blended with the effluent of Well Nos. 3-1 and 3-3 which produces a combined effluent for PFOA and PFOS below the 10ng/L MCL. The blended effluents have been included in the sampling results for this quarter.
- Well No. 3-3 shows low level detections of PFOA and PFOS.
- Well No. 5-1 shows low level detections of PFOS.
- During the 3rd quarter of 2021, the District did not deliver any water that exceeded the MCL for PFOA/PFOS, with all wells being below the MCL or maintain treatment.

As requested by the Deferral approval, the District already completed the initial Public Notification advising residents of the deferral acceptance. In addition, this Quarterly Update has been prepared to present the progress the district is making to address PFOA/PFOS in their wells More specifically, this update provides:

A. A summary of PFOA/PFOS sampling results for this quarter.

- B. Progress Report on PFOA/PFOS issues and any potential issues that could delay progress in meeting milestone dates presented in the Corrective Action Plan in the original Deferral request.
- C. DEC Pumpage Report
- D. Water Quality Reports

In summary, during the 3rd quarter of 2021, the Engineering Report to analyze the water quality at Plant No. 3 and recommend the most appropriate action for the District to take to ensure they meet water quality goals and avoids violation was brought to completion and is currently undergoing final review. The report will be submitted to the required regulatory agencies this month for their review and approval while the District continues to monitor the water quality at Plant No. 3. The report has concluded that in the short term, blending of the Plant No. 3 wells, with Well No. 3-2 as the last on, is an effective method for the District to meet its water quality goals, and avoid MCL violations. The report will recommend that wellhead treatment be installed at Plant No. 3 if the levels of PFOA and/or PFOS continue to rise in Well No. 3-2, or in the other Plant No. 3 wells. Filtration by granular activated carbon (GAC) is the recommended method of treatment.

At this time, the District is requesting a one-year extension of the MCL Deferral to permit sufficient time for the endorsement of the short-term and long-term treatment goals. The District is actively pursuing damages from responsible parties to fund the installation of wellhead treatment at Plant No. 3 and other sites.

The District will post this Quarterly Update on the Town website.

Please contact our office should you have any comments concerning this Deferral Update.

Very truly yours,

H2M architects + engineers



John R. Collins, P.E., LEED AP
Dept. Manager – Water Resources

JRC/jrc

Enclosure

cc: Supt. Jay Schneiderman
Southampton Town Board
Supt. Richard McCuen
Asst. Supt. James Kappers
Jason Hime, P.E. SCDHS

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Hampton Bays Water District
PWS ID No. NY51033704
Progress, Potential Issues and Water Quality Update



Quarterly Report Date: 7/8/2021

Prepared By: H2M architects+engineers

Milestone Description	Date	Completed (Y/N)	Delayed (Y/N)	Notes and Comments
Treatment Piloting	n/a	n/a	n/a	Piloting not required unless District elects to use IX as treatment method. BAT points to GAC long -term, with blending initially.
Engineering Report	10/2021	N	Y	Authorized and in progress
Water Quality Monitoring	2021	ONGOING	N	The District continues with enhanced water quality monitoring w for PFA for all three Plant No. 3 supply wells
Design	11/2021	N	N	Pending completion of report and scope analysis
Construction Start	3/2022	N	N	Pending completion of report and scope analysis
50% Construction Completion	8/2022	N	N	
100% Construction Completion	12/2022	N	N	
Potential Issues/Concerns/Delays Explanation:				

Hampton Bays Water District
PWS ID No. NY51033704
PFOS/PFOA Water Quality Summary



Status as of: July 1, 2021 through September 30, 2021
Prepared By: H2M architects+engineers

Location	Date Sampled	PFOA (ng/L)		PFOS (ng/L)		Treatment in Place (Y/N)	Notes and Comments
		Raw Level	Treated Level	Raw Level	Treated Level		
Well No. 1-1	7/29/2021	8.4	ND	41.9	ND	Y	
Well No. 1-1	8/5/2021	8.3	ND	45.5	ND	Y	
Well No. 1-1	9/7/2021	9.1	ND	142.0	ND	Y	
Well No. 1-2	7/29/2021	6.2	ND	10.1	ND	Y	
Well No. 1-2	8/5/2021	5.8	ND	8.2	ND	Y	
Well No. 1-2	9/7/2021	8.3	ND	48.0	ND	Y	
Well No. 1-3	7/29/2021	8.9	ND	48.1	ND	Y	
Well No. 1-3	8/5/2021	9.1	ND	61.2	ND	Y	
Well No. 1-3	9/7/2021	7.9	ND	41.0	ND	Y	
Well No. 2-1	7/29/2021	ND	n/a	ND	n/a	N	
Well No. 2-2	7/29/2021	ND	n/a	ND	n/a	N	
Well No. 3-1	7/29/2021	ND	n/a	ND	n/a	N	
Well No. 3-1	8/5/2021	ND	n/a	ND	n/a	N	
Well No. 3-1	9/7/2021	ND	n/a	ND	n/a	N	
Well No. 3-2	7/29/2021	2.3	n/a	9.1	n/a	N	
Well No. 3-2	8/5/2021	2.4	n/a	9.7	n/a	N	
Well No. 3-2	9/7/2021	2.1	n/a	8.8	n/a	N	
Well No. 3-3	7/29/2021	2.5	n/a	2.8	n/a	N	
Well No. 3-3	8/5/2021	2.1	n/a	3.0	n/a	N	
Well No. 3-3	9/7/2021	1.9	n/a	3.0	n/a	N	
Plant No. 3 Blended Effluent	7/29/2021	1.5	n/a	4.4	n/a	N	All wells at Plant No. 3 Running. Well No. 3-2 in lag.
Plant No. 3 Blended Effluent	8/5/2021	ND	n/a	ND	n/a	N	Well No. 3-2 run to waste.
Plant No. 3 Blended Effluent	9/7/2021	1.8	n/a	4.6	n/a	N	All wells at Plant No. 3 Running. Well No. 3-2 in lag.
Well No. 4-1	7/29/2021	ND	n/a	ND	n/a	N	
Well No. 4-2	7/29/2021	ND	n/a	ND	n/a	N	
Well No. 5-1	7/29/2021	ND	n/a	ND	n/a	N	
Well No. 5-1	8/5/2021	ND	n/a	3.2	n/a	N	
Well No. 5-1	9/7/2021	ND	n/a	2.3	n/a	N	
Notes:							
PFOA	Perfluorooctanoic Acid						Bold results exceed MCL
PFOS	Perfluorooctanesulfonic Acid						
ND	Non-detect						
MCL	Maximum Contaminant Level						
NS	Not Sampled						

Water Quality Test Results Attachments to Follow

**HAMPTON BAYS WATER DISTRICT
PLANT No. 3 – BELLOWS POND ROAD
HISTORY OF PERFLUORINATED COMPOUNDS**

Sample Date	Well	PFOS ng/l	PFOA ng/l	PFNA ng/l	Other ng/l
September 12, 2018	3-1	<40	<2.0	<20	<28
	3-2	<38	<1.9	<19	<30
	3-3	<37	<1.9	<19	<28
February 27, 2019	3-1	<1.9	<1.9	<19	<1.9
	3-2	<2.0	<2.0	19	<1.9
	3-3	<1.9	<1.9	<19	<1.9
May 6, 2020	3-1	<1.9	<1.9	<1.9	<1.9
	3-2	3.7	2.4	21.6	4.9 (PFHxS)
	3-3	<1.9	<1.9	3.7	<1.9
May 27, 2020	3-1	NS	NS	NS	NS
	3-2	2.2	<1.9	15.1	3.6 (PFHxS)
	3-3	NS	NS	NS	NS
September 9, 2020	3-1	<1.9	<1.9	<1.9	<1.9
	3-2	7.1	2.1	11.1	5.1 (PFHxS)
	3-3	40.9	7.6	6.2	27.1 (PFHxS) 3.7 (PFBA) 5.7 (PFHpA)
September 24, 2020	3-1	NS	NS	NS	NS
	3-2	NS	NS	NS	NS
	3-3	1.9	<1.8	10.7	3.2 (PFHxS) 3.7 (PFBA)
October 21, 2020	3-1	<1.9	<1.9	<1.9	<1.9
	3-2	6.1	2.0	9.4	4.6 (PFHxS)
	3-3	<1.9	<1.9	4.6	2.8 (PFBS)
December 2, 2020	3-1	<2.0	<2.0	<2.0	<2.0
	3-2	1.9	<1.9	9.6	2.1 (PFHxS)
	3-3	<1.9	<1.9	<1.9	<1.9
January 13, 2021	3-1	<1.9	<1.9	<1.9	<1.9
	3-2	6.3	2.5	13.3	5.4 (PFHxS)
	3-3	<1.9	<1.9	2.3	<1.9
February 10, 2021	3-1	NS	NS	NS	Well OOS
	3-2	9.2	2.9	17.7	2.3 (PFHpA) 6.9 (PFHxS)
	3-3	<1.9	<1.9	7.0	3.6 (PFBS)
March 10, 2021	3-1	<1.9	<1.9	<1.9	<1.9
	3-2	6.3	<1.9	14.1	4.6 (PFHxS)
	3-3	<2.0	<2.0	5.2	<2.0
April 19, 2021	3-1	<1.5	<1.5	<1.5	<1.5
	3-2	9.6	2.5	10.8	5.2 (PFHxS) 2.7 (PFHxA) 1.7 (PFHpA)
	3-3	<1.6	<1.6	5.5	1.7 (PFBS) 3.1 (PFHxA) 1.7 (PFHxS)
May 13, 2021	3-1	<2.5	<2.5	<2.5	<2.5
	3-2	7.8	<2.7	9.1	4.5 (PFHxS)
	3-3	<3.0	<3.0	6.1	3.4 (PFHxS)

**HAMPTON BAYS WATER DISTRICT
PLANT No. 3 – BELLOWS POND ROAD
HISTORY OF PERFLUORINATED COMPOUNDS**

June 3, 2021	3-1	<1.5	<1.5	<1.5	<1.5
	3-2	7.3	1.8	7.1	3.9 (PFHxS)
	3-3	<3.0	<3.0	6.1	1.6 (PFHxS) 2.3 (PFHxA)
July 29, 2021	3-1	<1.9	<1.9	<1.9	<1.9
	3-2	9.1	2.3	7.2	4.1 (PFHxS)
	3-3	2.8	2.5	8.6	3.3 (PFHxS) 3.5 (PFHxA) 2.5 (PFBS)
August 5, 2021	3-1	<1.9	<1.9	<1.9	<1.9
	3-2	9.7	2.4	7.0	4.3 (PFHxS)
	3-3	3.0	2.1	8.7	3.8 (PFHxS) 3.9 (PFHxA) 2.4 (PFBS)
September 16, 2021	3-1	<1.9	<1.9	<1.9	<1.9
	3-2	8.8	2.1	5.2	3.7 (PFHxS)
	3-3	3.0	1.9	7.6	4.0 (PFHxS) 4.0 (PFHxA) 2.4 (PFBS)

ng/l = parts per trillion

PFOS / PFOA: Current MCL = 10 ppt; effective 8/26/2020.

PFNA/PFBS/PFHxS/PFHxA: No Current MCL or HAL

NS – Not Sampled

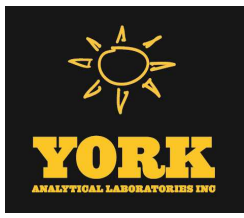
Sample Date	Well Site	BLENDED PFOS (ng/l)	BLENDED PFOA (ng/l)	BLENDED PFNA (ng/l)
April 19, 2021	3	4.03	<1.52	5.16
May 13, 2021	3	<3.12	<3.12	4.52
June 3, 2021	3	3.38	<1.52	4.86
July 29, 2021	3	4.43	1.51	6.57
August 5, 2021	3	<1.49	<1.49	<1.49
September 16, 2021	3	4.63	1.87	4.83

PFOS / PFOA: Current MCL = 10 ng/l

**HAMPTON BAYS WATER DISTRICT
WELL No. 5-1 – JONES ROAD
HISTORY OF PERFLUORINATED COMPOUNDS**

Sample Date	Well	PFOS (ng/l)	PFOA (ng/l)	PFHxS (ng/l)	PFNA (ng/l)
September 12, 2018	5-1	<39	<1.9	<29	<19
February 29, 2019	5-1	<1.9	1.9	<1.9	<1.9
May 6, 2020	5-1	3.4	<1.9	<1.9	<1.9
May 27, 2020	5-1	2.5	<1.9	<1.9	<1.9
September 9, 2020	5-1	3.7	<1.9	<1.9	<1.9
October 21, 2020	5-1	3.1	<1.8	<1.8	<1.8
February 10, 2021	5-1	4.5	<1.9	<1.9	<1.9
May 13, 2021	5-1	3.1	<2.8	<2.8	<2.8
June 3, 2021	5-1	2.1	<1.4	<1.4	<1.4
July 29, 2021	5-1	3.9	<1.9	<1.9	<1.9
August 5, 2021	5-1	3.2	<1.9	<1.9	<1.9
September 7, 2021	5-1	2.3	<1.9	<1.9	<1.9

PFOS / PFOA: Current MCL = 10 ng/l



Technical Report

prepared for:

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

Report Date: 08/09/2021
Client Project ID: UCMR 3
York Project (SDG) No.: 21G1357

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: 08/09/2021
Client Project ID: UCMR 3
York Project (SDG) No.: 21G1357

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 July 29, 2021 with a temperature of 2.1 C. The project was identified as your project: **UCMR 3**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21G1357-01	WELL 1-1	Drinking Water	07/29/2021	07/29/2021
21G1357-02	WELL 1-2	Drinking Water	07/29/2021	07/29/2021
21G1357-03	WELL 1-3	Drinking Water	07/29/2021	07/29/2021
21G1357-04	WELL 1-3 FB	Drinking Water	07/29/2021	07/29/2021
21G1357-05	WELL 2-1	Drinking Water	07/29/2021	07/29/2021
21G1357-06	WELL 2-2	Drinking Water	07/29/2021	07/29/2021
21G1357-07	WELL 2-2 FB	Drinking Water	07/29/2021	07/29/2021
21G1357-08	WELL 3-1	Drinking Water	07/29/2021	07/29/2021
21G1357-09	WELL 3-1 FB	Drinking Water	07/29/2021	07/29/2021
21G1357-10	WELL 3-2	Drinking Water	07/29/2021	07/29/2021
21G1357-11	WELL 3-3	Drinking Water	07/29/2021	07/29/2021
21G1357-12	WELL 4-1	Drinking Water	07/29/2021	07/29/2021
21G1357-13	WELL 4-1 FB	Drinking Water	07/29/2021	07/29/2021
21G1357-14	WELL 4-2	Drinking Water	07/29/2021	07/29/2021
21G1357-15	WELL 5-1	Drinking Water	07/29/2021	07/29/2021
21G1357-16	WELL 5-1 FB	Drinking Water	07/29/2021	07/29/2021
21G1357-17	BLEND INF MAIN PLANT GAC	Drinking Water	07/29/2021	07/29/2021
21G1357-18	BLEND INF MAIN PLANT GAC FB	Drinking Water	07/29/2021	07/29/2021
21G1357-19	BLEND EFF MAIN PLANT GAC	Drinking Water	07/29/2021	07/29/2021
21G1357-20	BLEND EFF MAIN PLANT GAC FB	Drinking Water	07/29/2021	07/29/2021
21G1357-21	BLEND EFF PLANT #3	Drinking Water	07/29/2021	07/29/2021

General Notes for York Project (SDG) No.: 21G1357

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

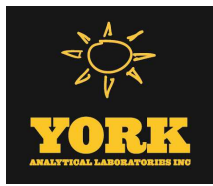
Approved By:



Cassie Mosher
Laboratory Manager

Date: 08/09/2021





Sample Information

Client Sample ID: WELL 1-1					York Sample ID: 21G1357-01
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 7:55 am	<u>Date Received</u> 07/29/2021	

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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/06/2021 08:26	08/06/2021 16:06	AH

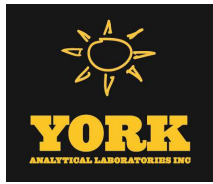
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	4.11		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	8.80		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	6.29		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	23.2		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
335-67-1	Perfluorooctanoic acid (PFOA)	8.40		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 08:07	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	41.9	PFOS-X	ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 08:07	WL
375-95-1	* Perfluorononanoic acid (PFNA)	6.49		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL



Sample Information

Client Sample ID: WELL 1-1					York Sample ID: 21G1357-01
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 7:55 am	<u>Date Received</u> 07/29/2021	

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:07	WL

Sample Information

Client Sample ID: WELL 1-2					York Sample ID: 21G1357-02
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 7:45 am	<u>Date Received</u> 07/29/2021	

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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/06/2021 08:26	08/06/2021 16:25	AH

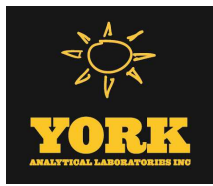
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.12		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	5.51		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	2.81		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	3.20		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
335-67-1	Perfluorooctanoic acid (PFOA)	6.21		ng/L	1.85	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 08:33	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	10.1	PFOS-X	ng/L	1.85	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 08:33	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL



Sample Information

Client Sample ID: WELL 1-2

York Sample ID: 21G1357-02

<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 7:45 am	<u>Date Received</u> 07/29/2021
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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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL
919005-14-4	* ADONA	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 08:33	WL

Sample Information

Client Sample ID: WELL 1-3

York Sample ID: 21G1357-03

<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 7:05 am	<u>Date Received</u> 07/29/2021
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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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/06/2021 08:26	08/06/2021 16:45	AH

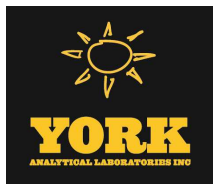
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	4.43		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	8.90		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	5.88		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL



Sample Information

Client Sample ID: WELL 1-3 **York Sample ID:** 21G1357-03
York Project (SDG) No.: 21G1357 **Client Project ID:** UCMR 3 **Matrix:** Drinking Water **Collection Date/Time:** July 29, 2021 7:05 am **Date Received:** 07/29/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	24.2		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
335-67-1	Perfluorooctanoic acid (PFOA)	8.98		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 09:26	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	48.1	PFOS-X	ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 09:26	WL
375-95-1	* Perfluorononanoic acid (PFNA)	6.29		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:26	WL

Sample Information

Client Sample ID: WELL 1-3 FB **York Sample ID:** 21G1357-04
York Project (SDG) No.: 21G1357 **Client Project ID:** UCMR 3 **Matrix:** Drinking Water **Collection Date/Time:** July 29, 2021 7:05 am **Date Received:** 07/29/2021

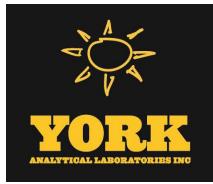
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

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

Client Sample ID: WELL 1-3 FB

York Sample ID: 21G1357-04

York Project (SDG) No.
21G1357

Client Project ID
UCMR 3

Matrix
Drinking Water

Collection Date/Time
July 29, 2021 7:05 am

Date Received
07/29/2021

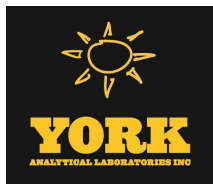
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.58	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 09:53	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.58	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 09:53	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL
919005-14-4	* ADONA	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 09:53	WL



Sample Information

Client Sample ID: WELL 2-1

York Sample ID: 21G1357-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21G1357

UCMR 3

Drinking Water

July 29, 2021 5:20 am

07/29/2021

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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/06/2021 08:26	08/06/2021 17:04	AH

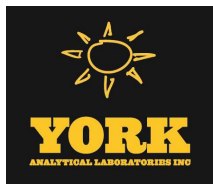
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 10:46	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 10:46	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL



Sample Information

Client Sample ID: WELL 2-1					York Sample ID: 21G1357-05
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 5:20 am	<u>Date Received</u> 07/29/2021	

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 10:46	WL

Sample Information

Client Sample ID: WELL 2-2					York Sample ID: 21G1357-06
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 5:35 am	<u>Date Received</u> 07/29/2021	

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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/06/2021 08:26	08/06/2021 17:24	AH

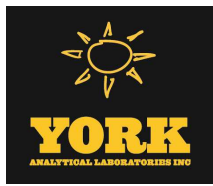
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.89	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 11:13	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.89	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 11:13	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL



Sample Information

Client Sample ID: WELL 2-2

York Sample ID: 21G1357-06

<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 5:35 am	<u>Date Received</u> 07/29/2021
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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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL
919005-14-4	* ADONA	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 11:13	WL

Sample Information

Client Sample ID: WELL 2-2 FB

York Sample ID: 21G1357-07

<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 5:35 am	<u>Date Received</u> 07/29/2021
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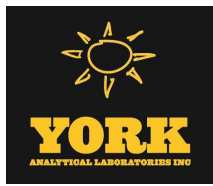
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.89	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 12:06	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.89	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 12:06	WL



Sample Information

Client Sample ID: WELL 2-2 FB

York Sample ID: 21G1357-07

<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 5:35 am	<u>Date Received</u> 07/29/2021
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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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL
919005-14-4	* ADONA	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:06	WL

Sample Information

Client Sample ID: WELL 3-1

York Sample ID: 21G1357-08

<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 6:50 am	<u>Date Received</u> 07/29/2021
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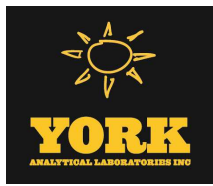
1,4-Dioxane by GC/MS/SIM EPA 522

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 522

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/06/2021 08:26	08/06/2021 18:39	AH



Sample Information

Client Sample ID: WELL 3-1

York Sample ID: 21G1357-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21G1357

UCMR 3

Drinking Water

July 29, 2021 6:50 am

07/29/2021

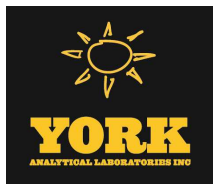
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.91	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 12:32	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.91	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 12:32	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL
919005-14-4	* ADONA	ND		ng/L	1.91	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:32	WL



Sample Information

Client Sample ID: WELL 3-1 FB

York Sample ID: 21G1357-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21G1357

UCMR 3

Drinking Water

July 29, 2021 6:50 am

07/29/2021

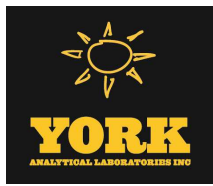
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.67	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 12:59	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.67	1	EPA 537.1 Certifications: NELAC-NY12058	08/02/2021 12:51	08/04/2021 12:59	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL
919005-14-4	* ADONA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/02/2021 12:51	08/04/2021 12:59	WL



Sample Information

Client Sample ID: WELL 3-2

York Sample ID: 21G1357-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21G1357

UCMR 3

Drinking Water

July 29, 2021 6:30 am

07/29/2021

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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/06/2021 08:26	08/06/2021 18:58	AH

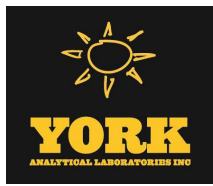
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	4.08		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
335-67-1	Perfluorooctanoic acid (PFOA)	2.27		ng/L	1.98	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 19:18	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	9.05		ng/L	1.98	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 19:18	WL
375-95-1	* Perfluorononanoic acid (PFNA)	7.20		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 19:18	WL



Sample Information

Client Sample ID: WELL 3-2 York Sample ID: 21G1357-10
York Project (SDG) No. 21G1357 Client Project ID UCMR 3 Matrix Drinking Water Collection Date/Time July 29, 2021 6:30 am Date Received 07/29/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 919005-14-4 * ADONA ND ng/L 1.98 1 EPA 537.1 08/03/2021 15:53 08/05/2021 19:18 WL

Sample Information

Client Sample ID: WELL 3-3 York Sample ID: 21G1357-11
York Project (SDG) No. 21G1357 Client Project ID UCMR 3 Matrix Drinking Water Collection Date/Time July 29, 2021 6:35 am Date Received 07/29/2021

1,4-Dioxane by GC/MS/SIM EPA 522

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 522

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 123-91-1 1,4-Dioxane ND ug/L 0.200 1 EPA 522 08/06/2021 08:26 08/06/2021 19:17 AH

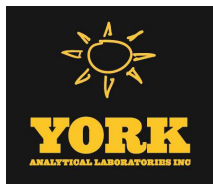
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include: 375-73-5 * Perfluorobutanesulfonic acid (PFBS) 2.54 ng/L; 307-24-4 * Perfluorohexanoic acid (PFHxA) 3.52 ng/L; 375-85-9 * Perfluoroheptanoic acid (PFHpA) ND ng/L; 355-46-4 * Perfluorohexanesulfonic acid (PFHxS) 3.28 ng/L; 335-67-1 Perfluorooctanoic acid (PFOA) 2.49 ng/L; 1763-23-1 Perfluorooctanesulfonic acid (PFOS) 2.84 ng/L; 375-95-1 * Perfluorononanoic acid (PFNA) 8.64 ng/L; 335-76-2 * Perfluorodecanoic acid (PFDA) ND ng/L; 2058-94-8 * Perfluoroundecanoic acid (PFUnA) ND ng/L; 307-55-1 * Perfluorododecanoic acid (PFDoA) ND ng/L



Sample Information

Client Sample ID: WELL 3-3

York Sample ID: 21G1357-11

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21G1357, UCMR 3, Drinking Water, July 29, 2021 6:35 am, 07/29/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists various PFAS compounds like Perfluorotridecanoic acid, etc.

Sample Information

Client Sample ID: WELL 4-1

York Sample ID: 21G1357-12

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21G1357, UCMR 3, Drinking Water, July 29, 2021 5:50 am, 07/29/2021

1,4-Dioxane by GC/MS/SIM EPA 522

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 522

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists 1,4-Dioxane.

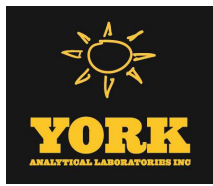
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Lists Perfluorobutanesulfonic acid, Perfluorohexanoic acid.



Sample Information

Client Sample ID: WELL 4-1					York Sample ID: 21G1357-12
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 5:50 am	<u>Date Received</u> 07/29/2021	

PFAS, EPA 537.1 List

Log-in Notes:

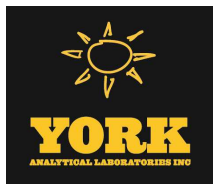
Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.95	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 20:11	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.95	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 20:11	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL
919005-14-4	* ADONA	ND		ng/L	1.95	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:11	WL

Sample Information

Client Sample ID: WELL 4-1 FB					York Sample ID: 21G1357-13
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 5:50 am	<u>Date Received</u> 07/29/2021	



Sample Information

Client Sample ID: WELL 4-1 FB

York Sample ID: 21G1357-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21G1357

UCMR 3

Drinking Water

July 29, 2021 5:50 am

07/29/2021

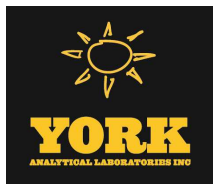
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.67	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 20:38	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.67	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 20:38	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL
919005-14-4	* ADONA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 20:38	WL



Sample Information

Client Sample ID: WELL 4-2					York Sample ID: 21G1357-14
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 6:05 am	<u>Date Received</u> 07/29/2021	

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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/06/2021 08:26	08/06/2021 19:55	AH

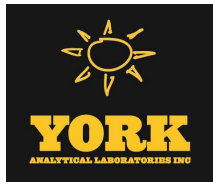
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.98	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 21:05	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.98	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 21:05	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.98	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:05	WL



Sample Information

Client Sample ID: WELL 4-2

York Sample ID: 21G1357-14

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21G1357, UCMR 3, Drinking Water, July 29, 2021 6:05 am, 07/29/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 919005-14-4 * ADONA, ND, ng/L, 1.98, 1, EPA 537.1, 08/03/2021 15:53, 08/05/2021 21:05, WL

Sample Information

Client Sample ID: WELL 5-1

York Sample ID: 21G1357-15

Table with 5 columns: York Project (SDG) No., Client Project ID, Matrix, Collection Date/Time, Date Received. Values: 21G1357, UCMR 3, Drinking Water, July 29, 2021 5:00 am, 07/29/2021

1,4-Dioxane by GC/MS/SIM EPA 522

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 522

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row 1: 123-91-1 1,4-Dioxane, ND, ug/L, 0.200, 1, EPA 522, 08/06/2021 08:26, 08/06/2021 20:14, AH

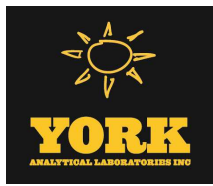
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Multiple rows for various PFAS compounds like Perfluorobutanesulfonic acid, Perfluorohexanoic acid, etc.



Sample Information

Client Sample ID: WELL 5-1

York Sample ID: 21G1357-15

<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 5:00 am	<u>Date Received</u> 07/29/2021
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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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:31	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:31	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:31	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:31	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:31	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:31	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:31	WL
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:31	WL

Sample Information

Client Sample ID: WELL 5-1 FB

York Sample ID: 21G1357-16

<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 5:00 am	<u>Date Received</u> 07/29/2021
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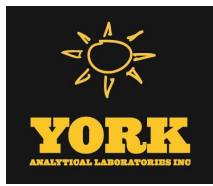
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.54	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:58	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.54	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:58	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.54	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:58	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.54	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:58	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.54	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 21:58	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.54	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 21:58	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.54	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 21:58	WL



Sample Information

Client Sample ID: WELL 5-1 FB

York Sample ID: 21G1357-16

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21G1357

UCMR 3

Drinking Water

July 29, 2021 5:00 am

07/29/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Rows include various PFAS compounds like Perfluorodecanoic acid (PFDA), Perfluoroundecanoic acid (PFUnA), etc.

Sample Information

Client Sample ID: BLEND INF MAIN PLANT GAC

York Sample ID: 21G1357-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21G1357

UCMR 3

Drinking Water

July 29, 2021 7:20 am

07/29/2021

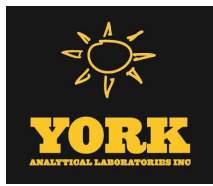
1,4-Dioxane by GC/MS/SIM EPA 522

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 522

Table with 11 columns: CAS No., Parameter, Result, Flag, Units, Reported to LOQ, Dilution, Reference Method, Date/Time Prepared, Date/Time Analyzed, Analyst. Row includes 1,4-Dioxane.



Sample Information

Client Sample ID: BLEND INF MAIN PLANT GAC

York Sample ID: 21G1357-17

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21G1357

UCMR 3

Drinking Water

July 29, 2021 7:20 am

07/29/2021

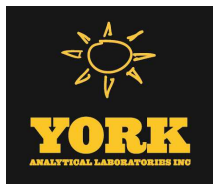
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	4.15		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	8.97		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	6.03		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	20.3		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
335-67-1	Perfluorooctanoic acid (PFOA)	8.73		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 22:51	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	47.3	PFOS-X	ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 22:51	WL
375-95-1	* Perfluorononanoic acid (PFNA)	6.71		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 22:51	WL



Sample Information

Client Sample ID: BLEND INF MAIN PLANT GAC FB					York Sample ID: 21G1357-18
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 7:20 am	<u>Date Received</u> 07/29/2021	

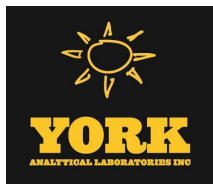
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 23:18	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 23:18	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:18	WL



Sample Information

Client Sample ID: BLEND EFF MAIN PLANT GAC

York Sample ID: 21G1357-19

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21G1357

UCMR 3

Drinking Water

July 29, 2021 7:35 am

07/29/2021

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	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
123-91-1	1,4-Dioxane	ND		ug/L	0.200	1	EPA 522 Certifications: NELAC-NY10854	08/06/2021 08:26	08/06/2021 20:53	AH

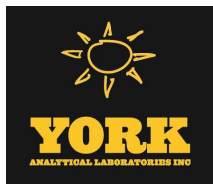
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	3.33		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	9.61		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	4.52		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	5.30		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
335-67-1	Perfluorooctanoic acid (PFOA)	3.86		ng/L	1.49	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 23:44	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3.53		ng/L	1.49	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/05/2021 23:44	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL



Sample Information

Client Sample ID: BLEND EFF MAIN PLANT GAC					York Sample ID: 21G1357-19
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 7:35 am	<u>Date Received</u> 07/29/2021	

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
919005-14-4	* ADONA	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/05/2021 23:44	WL

Sample Information

Client Sample ID: BLEND EFF MAIN PLANT GAC FB					York Sample ID: 21G1357-20
<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 7:35 am	<u>Date Received</u> 07/29/2021	

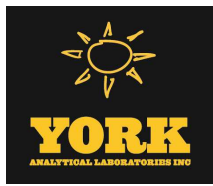
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.67	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/06/2021 00:11	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.67	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/06/2021 00:11	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL



Sample Information

Client Sample ID: BLEND EFF MAIN PLANT GAC FB **York Sample ID:** 21G1357-20
York Project (SDG) No.: 21G1357 **Client Project ID:** UCMR 3 **Matrix:** Drinking Water **Collection Date/Time:** July 29, 2021 7:35 am **Date Received:** 07/29/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL
919005-14-4	* ADONA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:11	WL

Sample Information

Client Sample ID: BLEND EFF PLANT #3 **York Sample ID:** 21G1357-21
York Project (SDG) No.: 21G1357 **Client Project ID:** UCMR 3 **Matrix:** Drinking Water **Collection Date/Time:** July 29, 2021 6:50 am **Date Received:** 07/29/2021

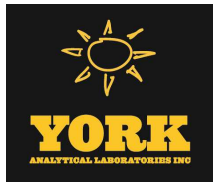
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	1.96		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	2.61		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
335-67-1	Perfluorooctanoic acid (PFOA)	1.51		ng/L	1.47	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/06/2021 00:37	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	4.43		ng/L	1.47	1	EPA 537.1 Certifications: NELAC-NY12058	08/03/2021 15:53	08/06/2021 00:37	WL
375-95-1	* Perfluorononanoic acid (PFNA)	6.57		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL



Sample Information

Client Sample ID: BLEND EFF PLANT #3

York Sample ID: 21G1357-21

<u>York Project (SDG) No.</u> 21G1357	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> July 29, 2021 6:50 am	<u>Date Received</u> 07/29/2021
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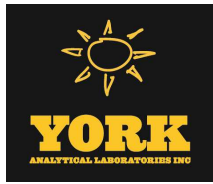
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL
919005-14-4	* ADONA	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/03/2021 15:53	08/06/2021 00:37	WL





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)

Definitions and Other Explanations

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

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

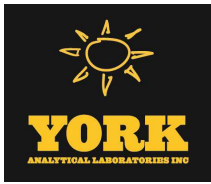
If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



Corrective Action: No FB was received for the following samples: -01, -11, -14.
A FB was received, but was not listed on the COCs: -04, 09, -13



York Analytical Laboratories, Inc.
 120 Research Drive 132-02 89th Ave
 Stratford, CT 06615 Queens, NY 11418
 clientservices@yorklab.com
 www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.
 2161357

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

Page _____ of _____

YOUR Information		Report To:		Invoice To:		UCMR 3		Turn-Around Time	
Hampton Bays Water District		Hampton Bays Water District		Hampton Bays Water District		UCMR 3		RUSH - Next Day	
188 Ponquogue Ave. / PO Box 1013		188 Ponquogue Ave. / PO Box 1013		PO Box 1013		UCMR 3		RUSH - Two Day	
Hampton Bays, N.Y. 11946		Hampton Bays, N.Y. 11946		Hampton Bays N.Y. 11946		UCMR 3		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"/>	

Warren Booth
 wbooth@southamptonny.gov
 smichael@southamptonny.gov
 YOUR PO#:

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

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WELL 1-1	GW	7-29-21 7:05	PFAS, 1-4 DIOX, FIELD BLANK	
WELL 1-2	GW	7-29-21 7:15	PFAS, 1-4 DIOX, FIELD BLANK	
WELL 1-3	GW	7-29-21 7:05	PFAS, 1-4 DIOX, FB	
WELL 2-1	GW	7-29-21 5:20	PFAS, 1-4 DIOX, FB	
WELL 2-2	GW	7-29-21 5:35	PFAS, 1-4 DIOX, FB	
WELL 3-1	GW	7-29-21 6:50	PFAS, 1-4 DIOX, FB	
WELL 3-2	GW	7-29-21 6:20	PFAS, 1-4 DIOX, FB	
WELL 3-3	GW	7-29-21 6:35	PFAS, 1-4 DIOX, FB	
WELL 4-1	GW	7-29-21 5:50	PFAS, 1-4 DIOX, FB	
WELL 4-2	GW	7-29-21 6:05	PFAS, 1-4 DIOX, FB	

Comments:

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

1. Samples Relinquished by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
W-300	7-29-21 11M	W-300	7/29/21
samples Received by / Company	Date/Time	samples Received by / Company	Date/Time
samples Relinquished by / Company	Date/Time	samples Received in LAB by	Date/Time
		hblacton	7/29/21 1805



York Analytical Laboratories, Inc.
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www.yorklab.com

Field Chain-of-Custody Record

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

YORK Project No. 21G1357

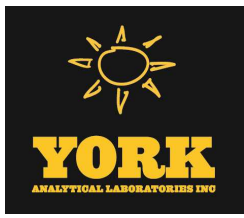
Page of

YOUR INFORMATION		Report To:		Invoice To:		Turn-Around Time	
Hampton Bays Water District	Hampton Bays Water District	Hampton Bays Water District	Hampton Bays Water District	UCMR 3	UCMR 3	RUSH - Next Day	
188 Ponquogue Ave. / PO Box 1013	188 Ponquogue Ave. / PO Box 1013	Hampton Bays N.Y. 11946	Hampton Bays N.Y. 11946			RUSH - Two Day	
Hampton Bays, N.Y. 11946	Hampton Bays, N.Y. 11946	(631) 728-0179	(631) 728-0179 ext: 4210			RUSH - Three Day	
Warren Booth	Warren Booth	Stella Michaels				RUSH - Four Day	
Warren Booth	Warren Booth					Standard (5-7 Day)	X

YOUR INFORMATION		Report To:		Invoice To:		Turn-Around Time	
Hampton Bays Water District	Hampton Bays Water District	Hampton Bays Water District	Hampton Bays Water District	UCMR 3	UCMR 3	RUSH - Next Day	
188 Ponquogue Ave. / PO Box 1013	188 Ponquogue Ave. / PO Box 1013	Hampton Bays N.Y. 11946	Hampton Bays N.Y. 11946			RUSH - Two Day	
Hampton Bays, N.Y. 11946	Hampton Bays, N.Y. 11946	(631) 728-0179	(631) 728-0179 ext: 4210			RUSH - Three Day	
Warren Booth	Warren Booth	Stella Michaels				RUSH - Four Day	
Warren Booth	Warren Booth					Standard (5-7 Day)	X

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
WELL 5-1	GW	7-29-21 5:00	PFAS, 1-4 Diox, FB	
BLEND INF. MAIN PLANT GAE	GW	7-29-21 7:20	PFAS, FB	
BLEND EFF. MAIN PLANT GAE	DW	7-29-21 7:35	PFAS, 1-4 Diox, FB	
BLEND EFF. PLANT #3	DW	7-29-21 6:50	PFAS	

Comments:		Preservation: (check all that apply)	
		HCl <input type="checkbox"/> MeOH <input type="checkbox"/> HNO3 <input type="checkbox"/> H2SO4 <input type="checkbox"/> NaOH <input type="checkbox"/> ZnAc <input type="checkbox"/>	Field Filtered <input type="checkbox"/>
		Ascorbic Acid <input type="checkbox"/> Other: <input type="checkbox"/>	Lab to Filter <input type="checkbox"/>
1. Samples Relinquished by Company		2. Samples Relinquished by / Company	
<u>WV 1308</u>	Date/Time <u>7-29-21 1:12</u>	<u>Stella Michaels</u>	Date/Time <u>1805</u>
3. Samples Relinquished by / Company		3. Samples Received by / Company	
	Date/Time		Date/Time
4. Samples Relinquished by / Company		4. Samples Received by / Company	
	Date/Time		Date/Time
		<u>Stella Michaels</u>	<u>7/29/21 1805</u>



Technical Report

prepared for:

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

Report Date: 08/12/2021
Client Project ID: UCMR 3
York Project (SDG) No.: 21H0311

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 08/12/2021
Client Project ID: UCMR 3
York Project (SDG) No.: 21H0311

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 August 05, 2021 and listed below. The project was identified as your project: **UCMR 3**.

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

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

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

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

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

<u>York Sample ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Collected</u>	<u>Date Received</u>
21H0311-01	Well 1-1	Drinking Water	08/05/2021	08/05/2021
21H0311-02	Well 1-1 Field Blank	Drinking Water	08/05/2021	08/05/2021
21H0311-03	Well 1-2	Drinking Water	08/05/2021	08/05/2021
21H0311-04	Well 1-3	Drinking Water	08/05/2021	08/05/2021
21H0311-05	Well 3-1	Drinking Water	08/05/2021	08/05/2021
21H0311-06	Well 3-1 Field Blank	Drinking Water	08/05/2021	08/05/2021
21H0311-07	Well 3-2	Drinking Water	08/05/2021	08/05/2021
21H0311-08	Well 3-3	Drinking Water	08/05/2021	08/05/2021
21H0311-09	Well 5-1	Drinking Water	08/05/2021	08/05/2021
21H0311-10	Well 5-1 Field Blank	Drinking Water	08/05/2021	08/05/2021
21H0311-11	Blend Inf Main Plant GAC	Drinking Water	08/05/2021	08/05/2021
21H0311-12	Blend Inf Main Plant GAC Field Blank	Drinking Water	08/05/2021	08/05/2021
21H0311-13	Blend Eff Main Plant GAC	Drinking Water	08/05/2021	08/05/2021
21H0311-14	Blend Eff Main Plant GAC Field Blank	Drinking Water	08/05/2021	08/05/2021
21H0311-15	Blend Eff Plant 3	Drinking Water	08/05/2021	08/05/2021

General Notes for York Project (SDG) No.: 21H0311

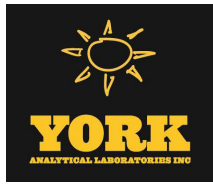
1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.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

Approved By: 

Cassie L. Mosher
Laboratory Manager

Date: 08/12/2021





Sample Information

Client Sample ID: Well 1-1

York Sample ID: 21H0311-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
21H0311	UCMR 3	Drinking Water	August 5, 2021 10:45 am	08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

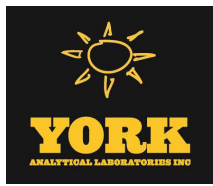
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	3.80		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	8.88		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	5.83		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	21.2		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
335-67-1	Perfluorooctanoic acid (PFOA)	8.35		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 04:31	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	45.5	PFOS-X	ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 04:31	WL
375-95-1	* Perfluorononanoic acid (PFNA)	6.41		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:31	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA	100 %		70-130
Surrogate: 13C-PFDA	132 %	PFSH	70-130
Surrogate: 13C-PFHxA	102 %		70-130
Surrogate: M3HFPO-DA	89.1 %		70-130



Sample Information

Client Sample ID: Well 1-1 Field Blank

York Sample ID: 21H0311-02

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 10:45 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.85	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 04:57	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.85	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 04:57	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL
919005-14-4	* ADONA	ND		ng/L	1.85	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 04:57	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

106 %

70-130

Surrogate: 13C-PFDA

120 %

70-130

Surrogate: 13C-PFHxA

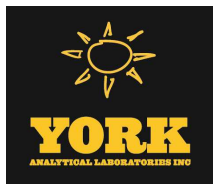
98.9 %

70-130

Surrogate: M3HFPO-DA

84.8 %

70-130



Sample Information

Client Sample ID: Well 1-2

York Sample ID: 21H0311-03

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 10:30 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	4.93		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	2.32		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	2.71		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
335-67-1	Perfluorooctanoic acid (PFOA)	5.84		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 05:24	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	8.17		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 05:24	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:24	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

102 %

70-130

Surrogate: 13C-PFDA

125 %

70-130

Surrogate: 13C-PFHxA

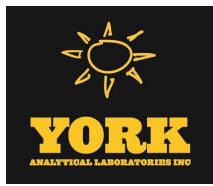
93.5 %

70-130

Surrogate: M3HFPO-DA

75.2 %

70-130



Sample Information

Client Sample ID: Well 1-3

York Sample ID: 21H0311-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 10:15 am

08/05/2021

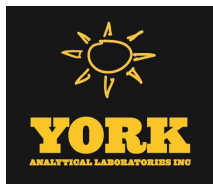
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	3.98		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	9.28		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	6.05		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	25.3		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
335-67-1	Perfluorooctanoic acid (PFOA)	9.12		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 05:50	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	61.2	PFOS-X	ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 05:50	WL
375-95-1	* Perfluorononanoic acid (PFNA)	6.60		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 05:50	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: d5-N-EtFOSAA		114 %	70-130							
Surrogate: 13C-PFDA		138 %	PFOSH	70-130						
Surrogate: 13C-PFHxA		104 %	70-130							
Surrogate: M3HFPO-DA		83.8 %	70-130							



Sample Information

Client Sample ID: Well 3-1

York Sample ID: 21H0311-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 10:00 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 06:44	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 06:44	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 06:44	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

107 %

70-130

Surrogate: 13C-PFDA

136 %

PFSH

70-130

Surrogate: 13C-PFHxA

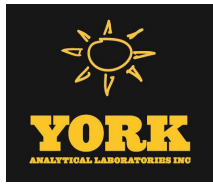
99.6 %

70-130

Surrogate: M3HFPO-DA

78.7 %

70-130



Sample Information

Client Sample ID: Well 3-1 Field Blank

York Sample ID: 21H0311-06

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 10:00 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 07:37	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 07:37	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 07:37	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

116 %

70-130

Surrogate: 13C-PFDA

137 %

PFSH

70-130

Surrogate: 13C-PFHxA

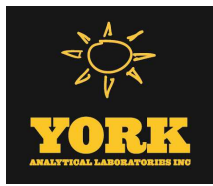
111 %

70-130

Surrogate: M3HFPO-DA

89.3 %

70-130



Sample Information

Client Sample ID: Well 3-2

York Sample ID: 21H0311-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 9:35 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

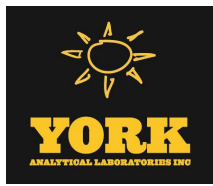
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	4.27		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
335-67-1	Perfluorooctanoic acid (PFOA)	2.43		ng/L	2.00	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 08:03	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	9.72		ng/L	2.00	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 08:03	WL
375-95-1	* Perfluorononanoic acid (PFNA)	7.03		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL
919005-14-4	* ADONA	ND		ng/L	2.00	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:03	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA	115 %		70-130
Surrogate: 13C-PFDA	130 %	PFSH	70-130
Surrogate: 13C-PFHxA	106 %		70-130
Surrogate: M3HFPO-DA	84.0 %		70-130



Sample Information

Client Sample ID: Well 3-3

York Sample ID: 21H0311-08

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 9:50 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

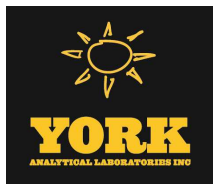
CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.40		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	3.93		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	3.80		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
335-67-1	Perfluorooctanoic acid (PFOA)	2.16		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 08:30	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3.05		ng/L	1.92	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 08:30	WL
375-95-1	* Perfluorononanoic acid (PFNA)	8.72		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
72629-94-8	* Perfluorotridecanoic acid (PFTTrDA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL
919005-14-4	* ADONA	ND		ng/L	1.92	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:30	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA	107 %		70-130
Surrogate: 13C-PFDA	140 %	PFSH	70-130
Surrogate: 13C-PFHxA	101 %		70-130
Surrogate: M3HFPO-DA	80.2 %		70-130



Sample Information

Client Sample ID: Well 5-1

York Sample ID: 21H0311-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 8:00 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.79	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 08:57	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3.23		ng/L	1.79	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 08:57	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL
919005-14-4	* ADONA	ND		ng/L	1.79	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 08:57	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

111 %

70-130

Surrogate: 13C-PFDA

132 %

PFSH

70-130

Surrogate: 13C-PFHxA

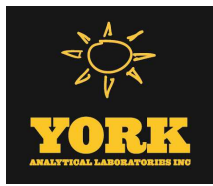
100 %

70-130

Surrogate: M3HFPO-DA

79.4 %

70-130



Sample Information

Client Sample ID: Well 5-1 Field Blank

York Sample ID: 21H0311-10

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 8:00 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.67	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 09:23	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.67	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 09:23	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL
919005-14-4	* ADONA	ND		ng/L	1.67	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:23	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

117 %

70-130

Surrogate: 13C-PFDA

135 %

PFSH

70-130

Surrogate: 13C-PFHxA

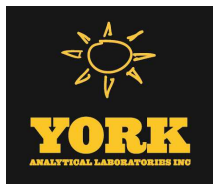
109 %

70-130

Surrogate: M3HFPO-DA

84.3 %

70-130



Sample Information

Client Sample ID: Blend Inf Main Plant GAC

York Sample ID: 21H0311-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 11:00 am

08/05/2021

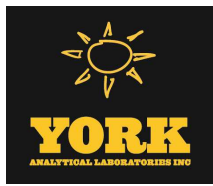
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	4.16		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	10.1		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	6.44		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	25.9		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
335-67-1	Perfluorooctanoic acid (PFOA)	9.18		ng/L	1.89	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 09:50	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	61.0	PFOS-X	ng/L	1.89	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 09:50	WL
375-95-1	* Perfluorononanoic acid (PFNA)	6.86		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
919005-14-4	* ADONA	ND		ng/L	1.89	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 09:50	WL
Surrogate Recoveries		Result		Acceptance Range						
Surrogate: d5-N-EtFOSAA		131 %	PFSH	70-130						
Surrogate: 13C-PFDA		151 %	PFSH	70-130						
Surrogate: 13C-PFHxA		127 %		70-130						
Surrogate: M3HFPO-DA		102 %		70-130						



Sample Information

Client Sample ID: Blend Inf Main Plant GAC Field Blank

York Sample ID: 21H0311-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 11:00 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.58	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 10:16	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.58	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 10:16	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL
919005-14-4	* ADONA	ND		ng/L	1.58	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:16	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

129 %

70-130

Surrogate: 13C-PFDA

128 %

70-130

Surrogate: 13C-PFHxA

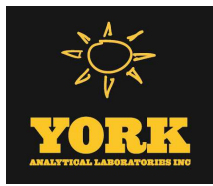
117 %

70-130

Surrogate: M3HFPO-DA

103 %

70-130



Sample Information

Client Sample ID: Blend Eff Main Plant GAC

York Sample ID: 21H0311-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 11:00 am

08/05/2021

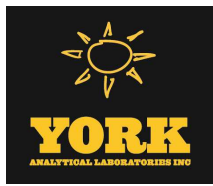
PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	3.76		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	12.0		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	4.88		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	7.89		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
335-67-1	Perfluorooctanoic acid (PFOA)	4.03		ng/L	1.47	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 10:43	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3.70		ng/L	1.47	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 10:43	WL
375-95-1	* Perfluorononanoic acid (PFNA)	1.55		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
919005-14-4	* ADONA	ND		ng/L	1.47	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 10:43	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: d5-N-EtFOSAA		109 %	70-130							
Surrogate: 13C-PFDA		120 %	70-130							
Surrogate: 13C-PFHxA		103 %	70-130							
Surrogate: M3HFPO-DA		91.5 %	70-130							



Sample Information

Client Sample ID: Blend Eff Main Plant GAC Field Blank

York Sample ID: 21H0311-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 11:00 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.69	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 12:03	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.69	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 12:03	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL
919005-14-4	* ADONA	ND		ng/L	1.69	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:03	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

110 %

70-130

Surrogate: 13C-PFDA

115 %

70-130

Surrogate: 13C-PFHxA

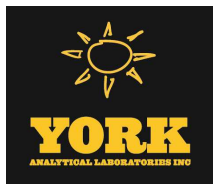
106 %

70-130

Surrogate: M3HFPO-DA

93.8 %

70-130



Sample Information

Client Sample ID: Blend Eff Plant 3

York Sample ID: 21H0311-15

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21H0311

UCMR 3

Drinking Water

August 5, 2021 10:00 am

08/05/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		ng/L	1.49	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 12:29	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		ng/L	1.49	1	EPA 537.1 Certifications: NELAC-NY12058	08/09/2021 15:44	08/12/2021 12:29	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
2355-31-9	* N-MeFOSAA	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
2991-50-6	* N-EtFOSAA	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
756426-58-1	* 9CL-PF3ONS	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
763051-92-9	* 11CL-PF3OUdS	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL
919005-14-4	* ADONA	ND		ng/L	1.49	1	EPA 537.1 Certifications:	08/09/2021 15:44	08/12/2021 12:29	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

108 %

70-130

Surrogate: 13C-PFDA

121 %

70-130

Surrogate: 13C-PFHxA

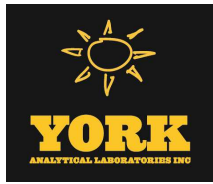
98.8 %

70-130

Surrogate: M3HFPO-DA

87.5 %

70-130





Sample and Data Qualifiers Relating to This Work Order

- PFSH The recovery for this PFAS surrogate was above control limits
- PFOS-X The level of PFOS detected 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.

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

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

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

Certification for pH is no longer offered by NYDOH ELAP.

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

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



York Analytical Laboratories, Inc.
 120 Research Drive 132-02 89th Ave
 Stratford, CT 06615 Queens, NY 11418
 clientservices@yorklab.com
 www.yorklab.com

Field Chain-of-Custody Record

YORK Project No.
 21H0311

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

Page of

YOUR Information		Report To:		Invoice To:	
Hampton Bays Water District		Hampton Bays Water District		Hampton Bays Water District	
18B Ponquogue Ave. / PO Box 1013		18B Ponquogue Ave. / PO Box 1013		PO Box 1013	
Hampton Bays, N.Y. 11946		Hampton Bays, N.Y. 11946		Hampton Bays N.Y. 11946	
(631) 728-0179 ext: 4213		(631) 728-0179 ext: 4210		(631) 728-0179 ext: 4210	
Keith Tuthill		Keith Tuthill		Stella Michaelis	
ktuthilljr@southamptontownny.gov		ktuthilljr@southamptontownny.gov		smichaelis@southamptontownny.gov	

YOUR PO#:

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.

Keith Tuthill

Matrix Codes	Samples From	Report / EDD Type (circle selections)	YORK Reg. Comp.
S - soil / solid	New York	CT RCP	Standard Excel EDD
GW - groundwater	New Jersey	CT RCP DQADUE	EQUIS (Standard)
DW - drinking water	Connecticut	NJDEP Reduced	NYSDEC EQUIS
WW - wastewater	Pennsylvania	Deliverables	NJDEP SRP HazSite
O - Oil / Other	Other	NJDQAP	Other:

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
Well 1-1	GW	8/5/21 / 10:45AM	PFAS, Field Blank	
Well 1-2	GW	8/5/21 / 10:50AM	PFAS	
Well 1-3	GW	8/5/21 / 10:55AM	PFAS	
Well 3-1	GW	8/5/21 / 10:00AM	PFAS, Field Blank	
Well 3-2	GW	8/5/21 / 9:35AM	PFAS	
Well 3-3	GW	8/5/21 / 9:58AM	PFAS	
Well 5-1	GW	8/5/21 / 8:45AM	PFAS, Field Blank	
Blend Inf Main Plant GAC	GW	8/5/21 / 11:05AM	PFAS, Field Blank	
Blend Eff Main Plant GAC	DW	8/5/21 / 11:05AM	PFAS, Field Blank	
Blend Eff Plant 3	DW	8/5/21 / 10:25AM	PFAS	

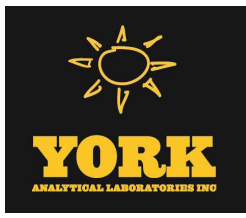
Comments:

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

1. Samples Relinquished by / Company	Date/Time	2. Samples Relinquished by / Company	Date/Time
ktuthill	8/5/21 12:30pm	ktuthill	8/5/21 10:30am
ktuthill	8/5/21 12:30pm	ktuthill	8/5/21 10:30am
ktuthill	8/5/21 12:30pm	ktuthill	8/5/21 10:30am

3. Samples Received by / Company	Date/Time	3. Samples Received by / Company	Date/Time
ktuthill	8/5/21 12:30pm	ktuthill	8/5/21 10:30am
ktuthill	8/5/21 12:30pm	ktuthill	8/5/21 10:30am
ktuthill	8/5/21 12:30pm	ktuthill	8/5/21 10:30am

4. Samples Relinquished by / Company	Date/Time	Temp. Received at Lab	Degrees C
ktuthill	8/5/21 12:30pm	79°C	2.1
ktuthill	8/5/21 12:30pm	79°C	2.1
ktuthill	8/5/21 12:30pm	79°C	2.1



Technical Report

for

Emerging Contaminants

prepared for:

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

Report Date: 09/16/2021
Client Project ID: UCMR 3
York Project (SDG) No.: 2110269

CT Cert. No. PH-0723

New Jersey Cert. No. CT005 and NY037



New York Cert. Nos. 10854 and 12058

PA Cert. No. 68-04440

120 RESEARCH DRIVE
www.YORKLAB.com

STRATFORD, CT 06615
(203) 325-1371



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

RICHMOND HILL, NY 11418
ClientServices@yorklab.com

Report Date: 09/16/2021
Client Project ID: UCMR 3
York Project (SDG) No.: 21I0269

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 September 07, 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>
21I0269-01	Well 1-1	Drinking Water	09/07/2021	09/07/2021
21I0269-02	Well 1-1 Field Blank	Drinking Water	09/07/2021	09/07/2021
21I0269-03	Well 1-2	Drinking Water	09/07/2021	09/07/2021
21I0269-04	Well 1-3	Drinking Water	09/07/2021	09/07/2021
21I0269-05	Well 3-1	Drinking Water	09/07/2021	09/07/2021
21I0269-06	Well 3-1 Field Blank	Drinking Water	09/07/2021	09/07/2021
21I0269-07	Well 3-2	Drinking Water	09/07/2021	09/07/2021
21I0269-08	Well 3-3	Drinking Water	09/07/2021	09/07/2021
21I0269-09	Well 5-1	Drinking Water	09/07/2021	09/07/2021
21I0269-10	Well 5-1 Field Blank	Drinking Water	09/07/2021	09/07/2021
21I0269-11	Blend Inf Main Plant GAC	Drinking Water	09/07/2021	09/07/2021
21I0269-12	Blend Inf Main Plant GAC Field Blank	Drinking Water	09/07/2021	09/07/2021
21I0269-13	Blend Eff Main Plant GAC	Drinking Water	09/07/2021	09/07/2021
21I0269-14	Blend Eff Plant 3	Drinking Water	09/07/2021	09/07/2021

General Notes for York Project (SDG) No.: 2110269

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

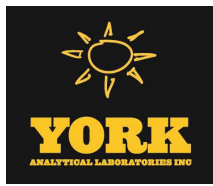
Approved By:



Cassie L. Mosher
Laboratory Manager

Date: 09/16/2021





Sample Information

Client Sample ID: Well 1-1

York Sample ID: 2110269-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
2110269	UCMR 3	Drinking Water	September 7, 2021 7:00 am	09/07/2021

PFAS, EPA 537.1 List

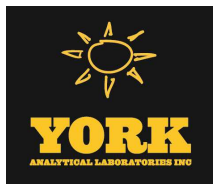
Log-in Notes:

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						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.05		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
307-24-4	* Perfluorohexanoic acid (PFHxA)	10.1		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	7.53		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	21.7		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
335-67-1	Perfluorooctanoic acid (PFOA)	9.10		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								NELAC-NY12058	09/14/2021 18:40	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	142	PFOS-X	10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								NELAC-NY12058	09/14/2021 18:40	
375-95-1	* Perfluorononanoic acid (PFNA)	13.0		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
72629-94-8	* Perfluorotridecanoic acid (PFTTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 18:40	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	96.2 %	70-130
Surrogate: 13C-PFDA	115 %	70-130
Surrogate: 13C-PFHxA	100 %	70-130



Sample Information

Client Sample ID: Well 1-1

York Sample ID: 2110269-01

<u>York Project (SDG) No.</u> 2110269	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> September 7, 2021 7:00 am	<u>Date Received</u> 09/07/2021
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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	Units				
	Surrogate: M3HFPO-DA	98.2 %		70-130					

Sample Information

Client Sample ID: Well 1-1 Field Blank

York Sample ID: 2110269-02

<u>York Project (SDG) No.</u> 2110269	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> September 7, 2021 7:00 am	<u>Date Received</u> 09/07/2021
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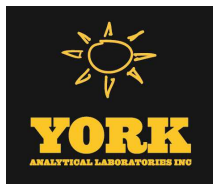
PFAS, EPA 537.1 List

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	Units				
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							NELAC-NY12058	09/14/2021 19:07	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							NELAC-NY12058	09/14/2021 19:07	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
2355-31-9	* N-MeFOSAA	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
2991-50-6	* N-EtFOSAA	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	
756426-58-1	* 9CL-PF3ONS	ND		0	ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								09/14/2021 19:07	



Sample Information

Client Sample ID: Well 1-1 Field Blank

York Sample ID: 2110269-02

<u>York Project (SDG) No.</u> 2110269	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> September 7, 2021 7:00 am	<u>Date Received</u> 09/07/2021
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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						
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:07	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:07	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:07	
	Surrogate Recoveries	Result		Acceptance Range						
	Surrogate: d5-N-EtFOSAA	95.8 %		70-130						
	Surrogate: 13C-PFDA	103 %		70-130						
	Surrogate: 13C-PFHxA	98.7 %		70-130						
	Surrogate: M3HFPO-DA	96.4 %		70-130						

Sample Information

Client Sample ID: Well 1-2

York Sample ID: 2110269-03

<u>York Project (SDG) No.</u> 2110269	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> September 7, 2021 7:15 am	<u>Date Received</u> 09/07/2021
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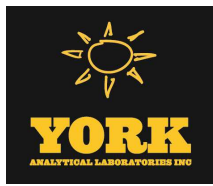
PFAS, EPA 537.1 List

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						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.43		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
307-24-4	* Perfluorohexanoic acid (PFHxA)	8.82		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	4.70		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	13.0		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
335-67-1	Perfluorooctanoic acid (PFOA)	8.34		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications: NELAC-NY12058		09/14/2021 19:33	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	48.0	PFOS-X	10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications: NELAC-NY12058		09/14/2021 19:33	
375-95-1	* Perfluorononanoic acid (PFNA)	18.2		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	



Sample Information

Client Sample ID: Well 1-2

York Sample ID: 2110269-03

<u>York Project (SDG) No.</u> 2110269	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> September 7, 2021 7:15 am	<u>Date Received</u> 09/07/2021
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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						
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 19:33	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

97.7 %

70-130

Surrogate: 13C-PFDA

108 %

70-130

Surrogate: 13C-PFHxA

99.3 %

70-130

Surrogate: M3HFPO-DA

95.4 %

70-130

Sample Information

Client Sample ID: Well 1-3

York Sample ID: 2110269-04

<u>York Project (SDG) No.</u> 2110269	<u>Client Project ID</u> UCMR 3	<u>Matrix</u> Drinking Water	<u>Collection Date/Time</u> September 7, 2021 7:30 am	<u>Date Received</u> 09/07/2021
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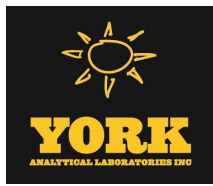
PFAS, EPA 537.1 List

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						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	3.56		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:00	
307-24-4	* Perfluorohexanoic acid (PFHxA)	8.66		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:00	



Sample Information

Client Sample ID: Well 1-3

York Sample ID: 2110269-04

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2110269

UCMR 3

Drinking Water

September 7, 2021 7:30 am

09/07/2021

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						
375-85-9	* Perfluoroheptanoic acid (PFHpA)	5.16		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	23.4		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
335-67-1	Perfluorooctanoic acid (PFOA)	7.96		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								NELAC-NY12058	09/14/2021 20:00	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	41.0	PFOS-X	10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								NELAC-NY12058	09/14/2021 20:00	
375-95-1	* Perfluorononanoic acid (PFNA)	5.22		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
72629-94-8	* Perfluorotridecanoic acid (PFTTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/14/2021 20:00	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

91.2 %

70-130

Surrogate: 13C-PFDA

93.6 %

70-130

Surrogate: 13C-PFHxA

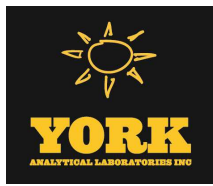
90.2 %

70-130

Surrogate: M3HFPO-DA

86.5 %

70-130



Sample Information

Client Sample ID: Well 3-1

York Sample ID: 2110269-05

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2110269

UCMR 3

Drinking Water

September 7, 2021 8:15 am

09/07/2021

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						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:	NELAC-NY12058	09/14/2021 20:26	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:	NELAC-NY12058	09/14/2021 20:26	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/14/2021 20:26	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

97.4 %

70-130

Surrogate: 13C-PFDA

94.6 %

70-130

Surrogate: 13C-PFHxA

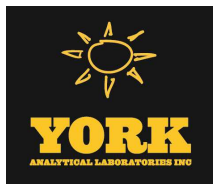
88.7 %

70-130

Surrogate: M3HFPO-DA

85.2 %

70-130



Sample Information

Client Sample ID: Well 3-1 Field Blank

York Sample ID: 2110269-06

York Project (SDG) No.

2110269

Client Project ID

UCMR 3

Matrix

Drinking Water

Collection Date/Time

September 7, 2021 8:15 am

Date Received

09/07/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

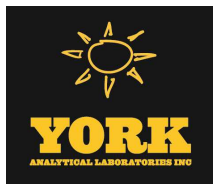
CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
				MCL						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:	NELAC-NY12058	09/15/2021 10:29	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:	NELAC-NY12058	09/15/2021 10:29	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 10:29	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA	99.6 %	70-130
Surrogate: 13C-PFDA	123 %	70-130
Surrogate: 13C-PFHxA	114 %	70-130
Surrogate: M3HFPO-DA	105 %	70-130



Sample Information

Client Sample ID: Well 3-2

York Sample ID: 2110269-07

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2110269

UCMR 3

Drinking Water

September 7, 2021 8:45 am

09/07/2021

PFAS, EPA 537.1 List

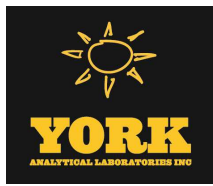
Log-in Notes:

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						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	3.71		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
335-67-1	Perfluorooctanoic acid (PFOA)	2.05		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								NELAC-NY12058	09/15/2021 10:56	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	8.76		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								NELAC-NY12058	09/15/2021 10:56	
375-95-1	* Perfluorononanoic acid (PFNA)	5.21		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 10:56	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	95.5 %	70-130
Surrogate: 13C-PFDA	100 %	70-130
Surrogate: 13C-PFHxA	89.6 %	70-130
Surrogate: M3HFPO-DA	86.6 %	70-130



Sample Information

Client Sample ID: Well 3-3

York Sample ID: 2110269-08

York Project (SDG) No.

2110269

Client Project ID

UCMR 3

Matrix

Drinking Water

Collection Date/Time

September 7, 2021 9:00 am

Date Received

09/07/2021

PFAS, EPA 537.1 List

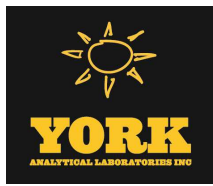
Log-in Notes:

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						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.40		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
307-24-4	* Perfluorohexanoic acid (PFHxA)	4.01		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	4.09		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
335-67-1	Perfluorooctanoic acid (PFOA)	1.93		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								NELAC-NY12058	09/15/2021 11:49	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	3.02		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
								NELAC-NY12058	09/15/2021 11:49	
375-95-1	* Perfluorononanoic acid (PFNA)	7.57		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
72629-94-8	* Perfluorotridecanoic acid (PFTriDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 11:49	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	94.9 %	70-130
Surrogate: 13C-PFDA	110 %	70-130
Surrogate: 13C-PFHxA	102 %	70-130
Surrogate: M3HFPO-DA	97.5 %	70-130



Sample Information

Client Sample ID: Well 5-1

York Sample ID: 2110269-09

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2110269

UCMR 3

Drinking Water

September 7, 2021 9:20 am

09/07/2021

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	MCL					
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications: NELAC-NY12058		09/15/2021 12:15	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	2.34		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications: NELAC-NY12058		09/15/2021 12:15	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
72629-94-8	* Perfluorotridecanoic acid (PFTTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:15	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

94.0 %

70-130

Surrogate: 13C-PFDA

102 %

70-130

Surrogate: 13C-PFHxA

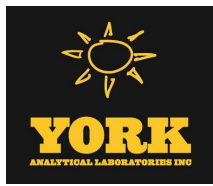
89.6 %

70-130

Surrogate: M3HFPO-DA

86.2 %

70-130



Sample Information

Client Sample ID: Well 5-1 Field Blank

York Sample ID: 2110269-10

York Project (SDG) No.

2110269

Client Project ID

UCMR 3

Matrix

Drinking Water

Collection Date/Time

September 7, 2021 9:20 am

Date Received

09/07/2021

PFAS, EPA 537.1 List

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 537.1 SPE DVB

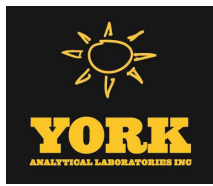
CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Prep/Anal	Analyst
				MCL						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:	NELAC-NY12058	09/15/2021 12:42	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:	NELAC-NY12058	09/15/2021 12:42	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 12:42	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA	92.4 %	70-130
Surrogate: 13C-PFDA	92.1 %	70-130
Surrogate: 13C-PFHxA	88.5 %	70-130
Surrogate: M3HFPO-DA	85.1 %	70-130



Sample Information

Client Sample ID: Blend Inf Main Plant GAC

York Sample ID: 21I0269-11

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21I0269

UCMR 3

Drinking Water

September 7, 2021 7:45 am

09/07/2021

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						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	2.70		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
307-24-4	* Perfluorohexanoic acid (PFHxA)	7.82		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	5.09		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	19.4		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
335-67-1	Perfluorooctanoic acid (PFOA)	7.93		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	66.1	PFOS-X	10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
375-95-1	* Perfluorononanoic acid (PFNA)	8.91		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
									09/15/2021 13:09	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

94.9 %

70-130

Surrogate: 13C-PFDA

92.8 %

70-130

Surrogate: 13C-PFHxA

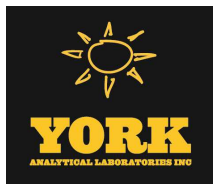
86.9 %

70-130

Surrogate: M3HFPO-DA

87.4 %

70-130



Sample Information

Client Sample ID: Blend Inf Main Plant GAC Field Blank

York Sample ID: 2110269-12

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2110269

UCMR 3

Drinking Water

September 7, 2021 7:45 am

09/07/2021

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						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
307-24-4	* Perfluorohexanoic acid (PFHxA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:	NELAC-NY12058	09/15/2021 13:35	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:	NELAC-NY12058	09/15/2021 13:35	
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 13:35	

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

97.7 %

70-130

Surrogate: 13C-PFDA

90.6 %

70-130

Surrogate: 13C-PFHxA

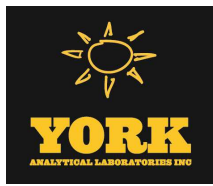
93.7 %

70-130

Surrogate: M3HFPO-DA

92.9 %

70-130



Sample Information

Client Sample ID: Blend Eff Main Plant GAC

York Sample ID: 2110269-13

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

2110269

UCMR 3

Drinking Water

September 7, 2021 8:00 am

09/07/2021

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						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
307-24-4	* Perfluorohexanoic acid (PFHxA)	4.83		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
375-85-9	* Perfluoroheptanoic acid (PFHpA)	2.00		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	2.75		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10		ng/L	1.92	EPA 537.1 NELAC-NY12058	09/13/2021 12:04 09/15/2021 14:02	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10		ng/L	1.92	EPA 537.1 NELAC-NY12058	09/13/2021 12:04 09/15/2021 14:02	WL
375-95-1	* Perfluorononanoic acid (PFNA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL
919005-14-4	* ADONA	ND		0		ng/L	1.92	EPA 537.1	09/13/2021 12:04 09/15/2021 14:02	WL

Surrogate Recoveries

Result

Acceptance Range

Surrogate: d5-N-EtFOSAA

98.4 %

70-130

Surrogate: 13C-PFDA

102 %

70-130

Surrogate: 13C-PFHxA

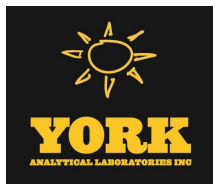
94.8 %

70-130

Surrogate: M3HFPO-DA

92.8 %

70-130



Sample Information

Client Sample ID: Blend Eff Plant 3

York Sample ID: 21I0269-14

York Project (SDG) No.

Client Project ID

Matrix

Collection Date/Time

Date Received

21I0269

UCMR 3

Drinking Water

September 7, 2021 8:30 am

09/07/2021

PFAS, EPA 537.1 List

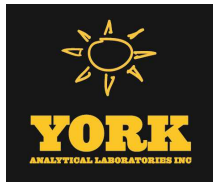
Log-in Notes:

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						
375-73-5	* Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
307-24-4	* Perfluorohexanoic acid (PFHxA)	2.01		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
375-85-9	* Perfluoroheptanoic acid (PFHpA)	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
355-46-4	* Perfluorohexanesulfonic acid (PFHxS)	2.96		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
335-67-1	Perfluorooctanoic acid (PFOA)	1.87		10		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications: NELAC-NY12058		09/15/2021 14:28	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	4.63		10		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications: NELAC-NY12058		09/15/2021 14:28	
375-95-1	* Perfluorononanoic acid (PFNA)	4.83		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
335-76-2	* Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
2058-94-8	* Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
307-55-1	* Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
72629-94-8	* Perfluorotridecanoic acid (PFTrDA)	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
376-06-7	* Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
2355-31-9	* N-MeFOSAA	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
2991-50-6	* N-EtFOSAA	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
756426-58-1	* 9CL-PF3ONS	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
763051-92-9	* 11CL-PF3OUdS	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
13252-13-6	* HFPO-DA (Gen-X)	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	
919005-14-4	* ADONA	ND		0		ng/L	1.56	EPA 537.1	09/13/2021 12:04	WL
							Certifications:		09/15/2021 14:28	

Surrogate Recoveries	Result	Acceptance Range
Surrogate: d5-N-EtFOSAA	104 %	70-130
Surrogate: 13C-PFDA	94.5 %	70-130
Surrogate: 13C-PFHxA	95.6 %	70-130
Surrogate: M3HFPO-DA	97.2 %	70-130



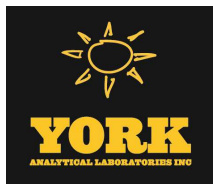
Analytical Batch Summary

Batch ID: BI10592

Preparation Method: EPA 537.1 SPE DVB

Prepared By: ER

YORK Sample ID	Client Sample ID	Preparation Date
21I0269-01	Well 1-1	09/13/21
21I0269-02	Well 1-1 Field Blank	09/13/21
21I0269-03	Well 1-2	09/13/21
21I0269-04	Well 1-3	09/13/21
21I0269-05	Well 3-1	09/13/21
21I0269-06	Well 3-1 Field Blank	09/13/21
21I0269-07	Well 3-2	09/13/21
21I0269-08	Well 3-3	09/13/21
21I0269-09	Well 5-1	09/13/21
21I0269-10	Well 5-1 Field Blank	09/13/21
21I0269-11	Blend Inf Main Plant GAC	09/13/21
21I0269-12	Blend Inf Main Plant GAC Fiel	09/13/21
21I0269-13	Blend Eff Main Plant GAC	09/13/21
21I0269-14	Blend Eff Plant 3	09/13/21
BI10592-BLK1	Blank	09/13/21
BI10592-BS1	LCS	09/13/21
BI10592-BS2	LCS	09/13/21
BI10592-DUP1	Duplicate	09/13/21
BI10592-MS1	Matrix Spike	09/13/21



PFAS Target compounds by LC/MS-MS - Quality Control Data
York Analytical Laboratories, Inc.

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

Batch BI10592 - EPA 537.1 SPE DVB

Blank (BI10592-BLK1)

Prepared: 09/13/2021 Analyzed: 09/14/2021

Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
9CL-PF3ONS	ND	2.00	"								
11CL-PF3OUdS	ND	2.00	"								
HFPO-DA (Gen-X)	ND	2.00	"								
ADONA	ND	2.00	"								
<i>Surrogate: d5-N-EtFOSAA</i>	289		"	320		90.2	70-130				
<i>Surrogate: 13C-PFDA</i>	75.3		"	80.0		94.1	70-130				
<i>Surrogate: 13C-PFHxA</i>	71.9		"	80.0		89.9	70-130				
<i>Surrogate: M3HFPO-DA</i>	70.2		"	80.0		87.8	70-130				

LCS (BI10592-BS1)

Prepared: 09/13/2021 Analyzed: 09/14/2021

Perfluorobutanesulfonic acid (PFBS)	67.7	2.00	ng/L	70.8		95.6	70-130				
Perfluorohexanoic acid (PFHxA)	86.3	2.00	"	80.0		108	70-130				
Perfluoroheptanoic acid (PFHpA)	78.9	2.00	"	80.0		98.7	70-130				
Perfluorohexanesulfonic acid (PFHxS)	72.5	2.00	"	76.0		95.4	70-130				
Perfluorooctanoic acid (PFOA)	80.8	2.00	"	80.0		101	70-130				
Perfluorooctanesulfonic acid (PFOS)	72.5	2.00	"	76.8		94.3	70-130				
Perfluorononanoic acid (PFNA)	81.5	2.00	"	80.0		102	70-130				
Perfluorodecanoic acid (PFDA)	81.9	2.00	"	80.0		102	70-130				
Perfluoroundecanoic acid (PFUnA)	82.9	2.00	"	80.0		104	70-130				
Perfluorododecanoic acid (PFDoA)	111	2.00	"	80.0		139	70-130	High Bias			
Perfluorotridecanoic acid (PFTriDA)	80.5	2.00	"	80.0		101	70-130				
Perfluorotetradecanoic acid (PFTA)	74.0	2.00	"	80.0		92.5	70-130				
N-MeFOSAA	77.5	2.00	"	80.0		96.8	70-130				
N-EtFOSAA	79.3	2.00	"	80.0		99.2	70-130				
9CL-PF3ONS	63.5	2.00	"	74.8		84.9	60-130				
11CL-PF3OUdS	74.2	2.00	"	75.6		98.1	60-130				
HFPO-DA (Gen-X)	79.0	2.00	"	80.0		98.7	60-130				
ADONA	70.1	2.00	"	75.6		92.8	60-130				
<i>Surrogate: d5-N-EtFOSAA</i>	308		"	320		96.4	70-130				
<i>Surrogate: 13C-PFDA</i>	82.7		"	80.0		103	70-130				
<i>Surrogate: 13C-PFHxA</i>	78.7		"	80.0		98.3	70-130				
<i>Surrogate: M3HFPO-DA</i>	79.2		"	80.0		99.0	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 BI10592 - EPA 537.1 SPE DVB

LCS (BI10592-BS2)

Prepared: 09/13/2021 Analyzed: 09/14/2021

Perfluorobutanesulfonic acid (PFBS)	28.1	2.00	ng/L	35.4		79.5	70-130				
Perfluorohexanoic acid (PFHxA)	38.5	2.00	"	40.0		96.2	70-130				
Perfluoroheptanoic acid (PFHpA)	36.5	2.00	"	40.0		91.3	70-130				
Perfluorohexanesulfonic acid (PFHxS)	32.4	2.00	"	38.0		85.2	70-130				
Perfluorooctanoic acid (PFOA)	35.8	2.00	"	40.0		89.6	70-130				
Perfluorooctanesulfonic acid (PFOS)	34.2	2.00	"	38.4		89.1	70-130				
Perfluorononanoic acid (PFNA)	41.0	2.00	"	40.0		102	70-130				
Perfluorodecanoic acid (PFDA)	38.1	2.00	"	40.0		95.2	70-130				
Perfluoroundecanoic acid (PFUnA)	39.7	2.00	"	40.0		99.3	70-130				
Perfluorododecanoic acid (PFDoA)	55.0	2.00	"	40.0		138	70-130	High Bias			
Perfluorotridecanoic acid (PFTriDA)	40.2	2.00	"	40.0		100	70-130				
Perfluorotetradecanoic acid (PFTA)	36.2	2.00	"	40.0		90.5	70-130				
N-MeFOSAA	34.6	2.00	"	40.0		86.6	70-130				
N-EtFOSAA	34.2	2.00	"	40.0		85.4	70-130				
9CL-PF3ONS	27.2	2.00	"	37.4		72.7	60-130				
11CL-PF3OUdS	35.0	2.00	"	37.8		92.6	60-130				
HFPO-DA (Gen-X)	36.6	2.00	"	40.0		91.4	60-130				
ADONA	33.3	2.00	"	37.8		88.1	60-130				
Surrogate: d5-N-EtFOSAA	304		"	320		95.1	70-130				
Surrogate: 13C-PFDA	86.0		"	80.0		107	70-130				
Surrogate: 13C-PFHxA	77.7		"	80.0		97.2	70-130				
Surrogate: M3HFPO-DA	76.8		"	80.0		96.0	70-130				

Duplicate (BI10592-DUP1)

*Source sample: 2110290-01 (Duplicate)

Prepared: 09/13/2021 Analyzed: 09/15/2021

Perfluorobutanesulfonic acid (PFBS)	2.77	1.47	ng/L		2.77				0.275	25	
Perfluorohexanoic acid (PFHxA)	4.74	1.47	"		4.54				4.11	25	
Perfluoroheptanoic acid (PFHpA)	1.89	1.47	"		1.92				1.67	25	
Perfluorohexanesulfonic acid (PFHxS)	2.91	1.47	"		2.72				6.75	25	
Perfluorooctanoic acid (PFOA)	7.31	1.47	"		7.22				1.19	25	
Perfluorooctanesulfonic acid (PFOS)	5.05	1.47	"		4.97				1.69	25	
Perfluorononanoic acid (PFNA)	ND	1.47	"		ND					25	
Perfluorodecanoic acid (PFDA)	ND	1.47	"		ND					25	
Perfluoroundecanoic acid (PFUnA)	ND	1.47	"		ND					25	
Perfluorododecanoic acid (PFDoA)	ND	1.47	"		ND					25	
Perfluorotridecanoic acid (PFTriDA)	ND	1.47	"		ND					25	
Perfluorotetradecanoic acid (PFTA)	ND	1.47	"		ND					25	
N-MeFOSAA	ND	1.47	"		ND					25	
N-EtFOSAA	ND	1.47	"		ND					25	
9CL-PF3ONS	ND	1.47	"		ND					25	
11CL-PF3OUdS	ND	1.47	"		ND					25	
HFPO-DA (Gen-X)	ND	1.47	"		ND					25	
ADONA	ND	1.47	"		ND					25	
Surrogate: d5-N-EtFOSAA	221		"	235		94.0	70-130				
Surrogate: 13C-PFDA	55.5		"	58.8		94.4	70-130				
Surrogate: 13C-PFHxA	51.7		"	58.8		87.9	70-130				
Surrogate: M3HFPO-DA	50.1		"	58.8		85.2	70-130				



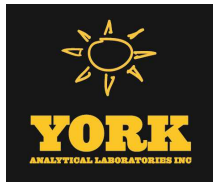
PFAS Target compounds by LC/MS-MS - Quality Control Data

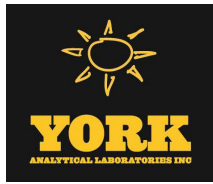
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
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Batch BI10592 - EPA 537.1 SPE DVB

Matrix Spike (BI10592-MS1)	*Source sample: 2110344-03 (Matrix Spike)						Prepared: 09/13/2021 Analyzed: 09/15/2021				
Perfluorobutanesulfonic acid (PFBS)	52.7	1.25	ng/L	44.2	15.5	84.1	70-130				
Perfluorohexanoic acid (PFHxA)	54.2	1.25	"	50.0	7.18	94.1	70-130				
Perfluoroheptanoic acid (PFHpA)	53.4	1.25	"	50.0	ND	107	70-130				
Perfluorohexanesulfonic acid (PFHxS)	48.9	1.25	"	47.5	5.30	91.7	70-130				
Perfluorooctanoic acid (PFOA)	64.3	1.25	"	50.0	15.3	98.0	70-130				
Perfluorooctanesulfonic acid (PFOS)	139	1.25	"	48.0	87.5	107	70-130				
Perfluorononanoic acid (PFNA)	53.5	1.25	"	50.0	2.29	102	70-130				
Perfluorodecanoic acid (PFDA)	49.2	1.25	"	50.0	ND	98.4	70-130				
Perfluoroundecanoic acid (PFUnA)	49.7	1.25	"	50.0	ND	99.5	70-130				
Perfluorododecanoic acid (PFDoA)	71.4	1.25	"	50.0	ND	143	70-130	High Bias			
Perfluorotridecanoic acid (PFTriDA)	52.1	1.25	"	50.0	ND	104	70-130				
Perfluorotetradecanoic acid (PFTA)	46.3	1.25	"	50.0	ND	92.5	70-130				
N-MeFOSAA	45.5	1.25	"	50.0	ND	90.9	70-130				
N-EtFOSAA	45.5	1.25	"	50.0	ND	90.9	70-130				
9CL-PF3ONS	42.8	1.25	"	46.8	ND	91.6	70-130				
11CL-PF3OUdS	49.1	1.25	"	47.2	ND	104	70-130				
HFPO-DA (Gen-X)	48.9	1.25	"	50.0	ND	97.8	70-130				
ADONA	45.2	1.25	"	47.2	ND	95.7	50-130				
Surrogate: d5-N-EtFOSAA	181		"	200		90.5	70-130				
Surrogate: 13C-PFDA	47.9		"	50.0		95.7	70-130				
Surrogate: 13C-PFHxA	45.3		"	50.0		90.6	70-130				
Surrogate: M3HFPO-DA	49.1		"	50.0		98.3	70-130				



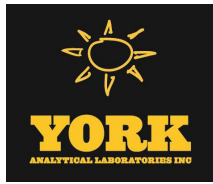


Sample and Data Qualifiers Relating to This Work Order

PFOS-X	The level of PFOS detected in this sample exceeds the NYSDOH Maximum Contaminant Level of 10 ng/L)
PFLH	The recovery for this PFAS compound was above control limits
PFAS-MSH	The recovery for this matrix spike compound was above control limits possibly due to matrix effects or non-homogeneity of the sample verses the native sample

Definitions and Other Explanations

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



NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Region 1

SUNY @ Stony Brook, 50 Circle Road, Stony Brook, NY 11790
 P:(631) 444-0405 | F:(631) 444-0424 | Email: R1dow@dec.ny.gov
 www.dec.ny.gov

Instructions to add more columns for additional wells:

Right click on heading letter H and click insert.

Right click on cell G32, press copy.

Right click on cell G33, press paste special - formula (Fx).

Repeat steps above to create as many additional columns as needed.

Reporting Period:	Sep-21
Utility Name:	Hampton Bays Water District
Address:	18B Ponqougue Ave./ P.O. Box 1013 Hampton Bays NY 11946
Report Prepared By:	Warren Booth
Phone Number:	(631) 728-0179
Email Address:	ktuthilljr@southamptontownny.gov

PUMPAGE DATA

DEC Well Number:	S-15687	S-24848	S-31636	S-51970	S-74071	S-58350	S-58351	S-58352	S-108065
WSA or WWA #:	W-3187	W-4664	W-5328	W-6236	W-7042	WSA-6639	WSA-6639	WSA-6639	WSA-8768
District Well ID:	1-1	1-2	1-3	2-1	2-2	3-1	3-2	3-3	4-1
Authorized Capacity:	500	500	750	500	750	500	500	500	1000
Actual Capacity:	350	500	750	500	750	500	500	500	1000
January	0	0	0	6789	3558	782	0	0	0
February	0	0	0	8976	3236	0	0	1579	0
March	0	0	0	1491	22238	10818	0	13445	0
April	0	0	0	13493	12846	19551	91	11532	0
May	3437	1911	10007	22906	17227	17511	4315	11427	2811
June	9588	4971	12060	21780	21398	5986	6120	12710	39637
July	2326	941	16223	20297	28388	15372	7323	14750	22836
August	3398	2913	11030	12967	25778	13883	5234	9126	38718
September	12280	5197	4287	0	27890	12186	4504	7292	24044
October	0	0	0	0	0	0	0	0	0
November									
December									
Total	31029	15933	53607	108699	162559	96089	27587	81861	128046

NOTE: Pumpage entered in thousands of gallons

Sum of Monthly Total

Sum of Each Well Total

S-108066	S-127163	
WSA-8768	WSA-10980	
4-2	5-1	
1000	1000	
1000	800	Monthly Totals
0	37317	48446
0	31885	45676
0	0	47992
0	0	57513
0	41578	133130
0	43362	177612
11352	45437	185245
16809	45080	184936
15702	42590	155972
0	0	0
		0
		0
43863	287249	
		1036522
		1036522

1. Population served in service area:	15500
2. Population served outside of own service area:	0
3. Percent of Customers Metered:	100
4. Number of Services:	7212
5. Peak Day Rate:	7833
6. Date of Peak Occurrence:	8/14/2021
7. Number of wells which can be operated by power source other than electric:	6
8. Amount of water purchased from another water district (thousands of gallons):	0
9. District water was purchased from:	0
10. Amount of water supplied to another district (thousands of gallons):	0
11. District water supplied to:	0

STORAGE FACILITIES

Name	Type	Capacity
Main Plant Tower	Elev.	250000
Plant 2 Tower	Elev.	250000
Plant 4 Tower	Elev.	1000000

NOTE: Storage facility capacity entered in millions of gallons