



AQUA ENVIRONMENTAL LAB

56 Church Hill Road • Newtown, CT 06470 • (203) 270-9973

1st Sample

Report of Analysis

Name: Water System Solutions Design Inc
 PO Box 180
 Watertown, CT 06795-0180

Sample Date: 12/3/2021 11:20 AM

Receipt Date: 12/3/2021 12:05 PM

Report Date: 12/16/2021

Sample Site: Weston School - Municipal - CT1570132

Sample ID#: 277310

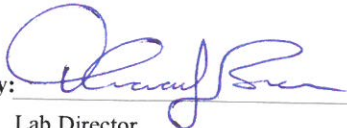
Sample Type: ~~Drinking Water~~

Sample Source: Well 3

Sampler: RB

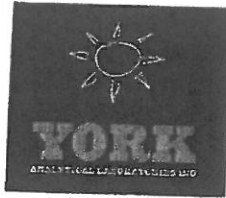
Parameter	Sample Result	Units	Limits	Method	RL	Analysis Date/Time
Organic Compounds PerFluoroOctanoic Acid	see attached	ng/L	No Limit Set	EPA 537	2	12/14/2021 11:08

ND = Not Detected
 * = Above Specified Limit

Report Approved by: 
 Lab Director

CT Lic PH-0787 NY Lic 11706

Analytical results relate to the samples as received at the laboratory. Report shall not be reproduced except in its entirety without written approval from the laboratory.



Technical Report

Perfluoroalkyl Substances (PFAS)

prepared for:

Aqua Environmental Lab
56 Church Hill Road
Newtown CT, 06470
Attention: T. Braun

Report Date: 12/16/2021
Client Project ID: 277310/277317
York Project (SDG) No.: 21L0248

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: 12/16/2021
Client Project ID: 277310/277317
York Project (SDG) No.: 21L0248

Aqua Environmental Lab
56 Church Hill Road
Newtown CT, 06470
Attention: T. Braun

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 December 06, 2021 and listed below. The project was identified as your project: **277310/277317**.

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>
21L0248-01	277310	Drinking Water	12/03/2021	12/06/2021
21L0248-02	277310 Field Blank	Drinking Water	12/03/2021	12/06/2021
21L0248-03	277317	Drinking Water	12/03/2021	12/06/2021
21L0248-04	277317 Field Blank	Drinking Water	12/03/2021	12/06/2021

General Notes for York Project (SDG) No.: 21L0248

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*

Cassie L. Mosher
Laboratory Manager

Date: 12/16/2021





WML 3

Sample Information

Client Sample ID: 277310

York Sample ID: 21L0248-01

York Project (SDG) No.
21L0248

Client Project ID
277310/277317

Matrix
Drinking Water

Collection Date/Time
December 3, 2021 11:20 am

Date Received
12/06/2021

PFAS, EPA 537.1 List

Sample Prepared by Method: EPA 537.1 SPE DVB

Log-in Notes:

Sample Notes:

CAS No.	Parameter	Result	Flag	Maximum Contaminant Level		Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
				MCL, ng/L						
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
307-24-4	Perfluorohexanoic acid (PFHxA)	9.73		0		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
375-85-9	Perfluoroheptanoic acid (PFHpA)	5.39		0		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.01		0		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
335-67-1	Perfluorooctanoic acid (PFOA)	13.3	PFOA-X	10		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	23.2	PFOS-X	10		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
375-95-1	Perfluorononanoic acid (PFNA)	3.46		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
72629-94-8	Perfluorotridecanoic acid (PFTTrDA)	ND		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		0		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
2355-31-9	N-MeFOSAA	ND		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
2991-50-6	N-EtFOSAA	ND		0		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
756426-58-1	9CL-PF3ONS	ND		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
763051-92-9	11CL-PF3OUdS	ND		0		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
13252-13-6	HFPO-DA (Gen-X)	ND		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
919005-14-4	ADONA	ND		0		ng/L	1.56	EPA 537.1	12/15/2021 20:03	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: <i>d5-N-EtFOSAA</i>		114 %	70-130							
Surrogate: <i>13C-PFDA</i>		108 %	70-130							
Surrogate: <i>13C-PFHxA</i>		105 %	70-130							



Sample Information

Client Sample ID: 277310

York Sample ID: 21L0248-01

York Project (SDG) No.
21L0248

Client Project ID
277310/277317

Matrix
Drinking Water

Collection Date/Time
December 3, 2021 11:20 am

Date Received
12/06/2021

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 MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
	Surrogate: M3HFPO-DA	109 %		70-130					

Sample Information

Client Sample ID: 277310 Field Blank

York Sample ID: 21L0248-02

York Project (SDG) No.
21L0248

Client Project ID
277310/277317

Matrix
Drinking Water

Collection Date/Time
December 3, 2021 11:20 am

Date Received
12/06/2021

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 MCL, ng/L	Units	Reported to LOQ	Reference Method	Date/Time Analyzed	Analyst
375-73-5	Perfluorobutanesulfonic acid (PFBS)	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
307-24-4	Perfluorohexanoic acid (PFHxA)	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
375-85-9	Perfluoroheptanoic acid (PFHpA)	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
335-67-1	Perfluorooctanoic acid (PFOA)	ND		10	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:	NELAC-NY12058		12/15/2021 20:29	
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	ND		10	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:	NELAC-NY12058		12/15/2021 20:29	
375-95-1	Perfluorononanoic acid (PFNA)	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
2058-94-8	Perfluoroundecanoic acid (PFUnA)	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
307-55-1	Perfluorododecanoic acid (PFDoA)	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
72629-94-8	Perfluorotridecanoic acid (PFTrDA)	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
376-06-7	Perfluorotetradecanoic acid (PFTA)	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
2355-31-9	N-MeFOSAA	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
2991-50-6	N-EtFOSAA	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	
756426-58-1	9CL-PF3ONS	ND		0	ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
					Certifications:			12/15/2021 20:29	

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RICHMOND HILL, NY 11418
ClientServices@



Sample Information

Client Sample ID: 277310 Field Blank

York Sample ID: 21L0248-02

York Project (SDG) No.: 21L0248 *Well 3*

Client Project ID: 277310/277317

Matrix: Drinking Water

Collection Date/Time: December 3, 2021 11:20 am

Date Received: 12/06/2021

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 Analyzed	Analyst
				MCL, ng/L						
763051-92-9	11CL-PF3OUds	ND		0		ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
13252-13-6	HFPO-DA (Gen-X)	ND		0		ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
919005-14-4	ADONA	ND		0		ng/L	1.67	EPA 537.1	12/14/2021 11:08	WL
Surrogate Recoveries		Result	Acceptance Range							
Surrogate: <i>d5-N-EtFOSAA</i>		114 %	70-130							
Surrogate: <i>13C-PFDA</i>		103 %	70-130							
Surrogate: <i>13C-PFHxA</i>		100 %	70-130							
Surrogate: <i>M3HFPO-DA</i>		97.2 %	70-130							

Sample Information

Client Sample ID: 277317

York Sample ID: 21L0248-03

York Project (SDG) No.: 21L0248 *Well 4*

Client Project ID: 277310/277317

Matrix: Drinking Water

Collection Date/Time: December 3, 2021 11:40 am

Date Received: 12/06/2021

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 Analyzed	Analyst
				MCL, ng/L						
375-73-5	Perfluorobutanesulfonic acid (PFBS)	1.76		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
307-24-4	Perfluorohexanoic acid (PFHxA)	4.95		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
375-85-9	Perfluoroheptanoic acid (PFHpA)	3.03		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
355-46-4	Perfluorohexanesulfonic acid (PFHxS)	2.04		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
335-67-1	Perfluorooctanoic acid (PFOA)	9.08		10		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
1763-23-1	Perfluorooctanesulfonic acid (PFOS)	16.8	PFOS-X	10		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
375-95-1	Perfluorononanoic acid (PFNA)	1.90		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL
335-76-2	Perfluorodecanoic acid (PFDA)	ND		0		ng/L	1.56	EPA 537.1	12/14/2021 11:08	WL



Analytical Batch Summary

Batch ID: BL12027

Preparation Method: EPA 537.1 SPE DVB

Prepared By: ER

YORK Sample ID	Client Sample ID	Preparation Date
21L0248-01	277310	12/14/21
21L0248-02	277310 Field Blank	12/14/21
21L0248-03	277317	12/14/21
21L0248-04	277317 Field Blank	12/14/21
BL12027-BLK1	Blank	12/14/21
BL12027-BS1	LCS	12/14/21
BL12027-BS2	LCS	12/14/21
BL12027-DUP1	Duplicate	12/14/21
BL12027-MS1	Matrix Spike	12/14/21



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

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12027 - EPA 537.1 SPE DVB											
Blank (BL12027-BLK1)											
											Prepared: 12/14/2021 Analyzed: 12/15/2021
Perfluorobutanesulfonic acid (PFBS)	ND	2.00	ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.00	"								
Perfluoroheptanoic acid (PFHpA)	ND	2.00	"								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.00	"								
Perfluorooctanoic acid (PFOA)	ND	2.00	"								
Perfluorooctanesulfonic acid (PFOS)	ND	2.00	"								
Perfluorononanoic acid (PFNA)	ND	2.00	"								
Perfluorodecanoic acid (PFDA)	ND	2.00	"								
Perfluoroundecanoic acid (PFUnA)	ND	2.00	"								
Perfluorododecanoic acid (PFDoA)	ND	2.00	"								
Perfluorotridecanoic acid (PFTriDA)	ND	2.00	"								
Perfluorotetradecanoic acid (PFTA)	ND	2.00	"								
N-MeFOSAA	ND	2.00	"								
N-EtFOSAA	ND	2.00	"								
9CL-PF3ONS	ND	2.00	"								
11CL-PF3OUdS	ND	2.00	"								
HFPO-DA (Gen-X)	ND	2.00	"								
ADONA	ND	2.00	"								
Surrogate: d5-N-EtFOSAA	412		"	320		129	70-130				
Surrogate: 13C-PFDA	93.0		"	80.0		116	70-130				
Surrogate: 13C-PFHxA	85.4		"	80.0		107	70-130				
Surrogate: M3HFPO-DA	86.4		"	80.0		108	70-130				
LCS (BL12027-BS1)											
											Prepared: 12/14/2021 Analyzed: 12/15/2021
Perfluorobutanesulfonic acid (PFBS)	59.5	2.00	ng/L	70.8		84.1	70-130				
Perfluorohexanoic acid (PFHxA)	74.1	2.00	"	80.0		92.6	70-130				
Perfluoroheptanoic acid (PFHpA)	76.3	2.00	"	80.0		95.4	70-130				
Perfluorohexanesulfonic acid (PFHxS)	68.1	2.00	"	76.0		89.5	70-130				
Perfluorooctanoic acid (PFOA)	74.1	2.00	"	80.0		92.7	70-130				
Perfluorooctanesulfonic acid (PFOS)	70.1	2.00	"	76.8		91.3	70-130				
Perfluorononanoic acid (PFNA)	74.4	2.00	"	80.0		93.0	70-130				
Perfluorodecanoic acid (PFDA)	76.4	2.00	"	80.0		95.5	70-130				
Perfluoroundecanoic acid (PFUnA)	75.6	2.00	"	80.0		94.5	70-130				
Perfluorododecanoic acid (PFDoA)	85.7	2.00	"	80.0		107	70-130				
Perfluorotridecanoic acid (PFTriDA)	88.7	2.00	"	80.0		111	70-130				
Perfluorotetradecanoic acid (PFTA)	73.9	2.00	"	80.0		92.3	70-130				
N-MeFOSAA	77.7	2.00	"	80.0		97.1	70-130				
N-EtFOSAA	78.5	2.00	"	80.0		98.2	70-130				
9CL-PF3ONS	64.9	2.00	"	74.8		86.8	60-130				
11CL-PF3OUdS	73.1	2.00	"	75.6		96.6	60-130				
HFPO-DA (Gen-X)	74.3	2.00	"	80.0		92.9	60-130				
ADONA	72.2	2.00	"	75.6		95.6	60-130				
Surrogate: d5-N-EtFOSAA	359		"	320		112	70-130				
Surrogate: 13C-PFDA	84.6		"	80.0		106	70-130				
Surrogate: 13C-PFHxA	83.9		"	80.0		105	70-130				
Surrogate: M3HFPO-DA	83.2		"	80.0		104	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 BL12027 - EPA 537.1 SPE DVB

LCS (BL12027-BS2)

Prepared: 12/14/2021 Analyzed: 12/15/2021

Perfluorobutanesulfonic acid (PFBS)	27.3	2.00	ng/L	35.4		77.1	70-130				
Perfluorohexanoic acid (PFHxA)	34.1	2.00	"	40.0		85.3	70-130				
Perfluoroheptanoic acid (PFHpA)	35.2	2.00	"	40.0		87.9	70-130				
Perfluorohexanesulfonic acid (PFHxS)	32.8	2.00	"	38.0		86.2	70-130				
Perfluorooctanoic acid (PFOA)	35.0	2.00	"	40.0		87.5	70-130				
Perfluorooctanesulfonic acid (PFOS)	32.8	2.00	"	38.4		85.5	70-130				
Perfluorononanoic acid (PFNA)	35.7	2.00	"	40.0		89.2	70-130				
Perfluorodecanoic acid (PFDA)	35.9	2.00	"	40.0		89.7	70-130				
Perfluoroundecanoic acid (PFUnA)	33.4	2.00	"	40.0		83.5	70-130				
Perfluorododecanoic acid (PFDoA)	37.2	2.00	"	40.0		93.1	70-130				
Perfluorotridecanoic acid (PFTriDA)	41.7	2.00	"	40.0		104	70-130				
Perfluorotetradecanoic acid (PFTA)	34.0	2.00	"	40.0		85.0	70-130				
N-MeFOSAA	38.1	2.00	"	40.0		95.3	70-130				
N-EtFOSAA	38.2	2.00	"	40.0		95.5	70-130				
9CL-PF3ONS	31.1	2.00	"	37.4		83.1	60-130				
11CL-PF3OUdS	32.3	2.00	"	37.8		85.4	60-130				
HFPO-DA (Gen-X)	34.1	2.00	"	40.0		85.4	60-130				
ADONA	33.1	2.00	"	37.8		87.6	60-130				
Surrogate: d5-N-EtFOSAA	393		"	320		123	70-130				
Surrogate: 13C-PFDA	88.7		"	80.0		111	70-130				
Surrogate: 13C-PFHxA	84.8		"	80.0		106	70-130				
Surrogate: M3HFPO-DA	86.6		"	80.0		108	70-130				

Duplicate (BL12027-DUP1)

*Source sample: 21L0272-02 (Duplicate)

Prepared: 12/14/2021 Analyzed: 12/15/2021

Perfluorobutanesulfonic acid (PFBS)	ND	1.67	ng/L	ND							25
Perfluorohexanoic acid (PFHxA)	ND	1.67	"	ND							25
Perfluoroheptanoic acid (PFHpA)	ND	1.67	"	ND							25
Perfluorohexanesulfonic acid (PFHxS)	ND	1.67	"	ND							25
Perfluorooctanoic acid (PFOA)	ND	1.67	"	ND							25
Perfluorooctanesulfonic acid (PFOS)	ND	1.67	"	ND							25
Perfluorononanoic acid (PFNA)	ND	1.67	"	ND							25
Perfluorodecanoic acid (PFDA)	ND	1.67	"	ND							25
Perfluoroundecanoic acid (PFUnA)	ND	1.67	"	ND							25
Perfluorododecanoic acid (PFDoA)	ND	1.67	"	ND							25
Perfluorotridecanoic acid (PFTriDA)	ND	1.67	"	ND							25
Perfluorotetradecanoic acid (PFTA)	ND	1.67	"	ND							25
N-MeFOSAA	ND	1.67	"	ND							25
N-EtFOSAA	ND	1.67	"	ND							25
9CL-PF3ONS	ND	1.67	"	ND							25
11CL-PF3OUdS	ND	1.67	"	ND							25
HFPO-DA (Gen-X)	ND	1.67	"	ND							25
ADONA	ND	1.67	"	ND							25
Surrogate: d5-N-EtFOSAA	301		"	267		113	70-130				
Surrogate: 13C-PFDA	72.1		"	66.7		108	70-130				
Surrogate: 13C-PFHxA	69.3		"	66.7		104	70-130				
Surrogate: M3HFPO-DA	66.0		"	66.7		99.1	70-130				



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

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL12027 - EPA 537.1 SPE DVB											
Matrix Spike (BL12027-MS1)											
			*Source sample: 21L0267-01 (Matrix Spike)				Prepared: 12/14/2021 Analyzed: 12/15/2021				
Perfluorobutanesulfonic acid (PFBS)	42.0	1.56	ng/L	55.3	ND	75.9	70-130				
Perfluorohexanoic acid (PFHxA)	55.0	1.56	"	62.5	ND	88.0	70-130				
Perfluoroheptanoic acid (PFHpA)	59.5	1.56	"	62.5	ND	95.3	70-130				
Perfluorohexanesulfonic acid (PFHxS)	53.2	1.56	"	59.4	ND	89.7	70-130				
Perfluorooctanoic acid (PFOA)	59.2	1.56	"	62.5	ND	94.7	70-130				
Perfluorooctanesulfonic acid (PFOS)	55.6	1.56	"	60.0	ND	92.7	70-130				
Perfluorononanoic acid (PFNA)	58.2	1.56	"	62.5	ND	93.1	70-130				
Perfluorodecanoic acid (PFDA)	61.8	1.56	"	62.5	ND	98.8	70-130				
Perfluoroundecanoic acid (PFUnA)	58.0	1.56	"	62.5	ND	92.9	70-130				
Perfluorododecanoic acid (PFDoA)	55.8	1.56	"	62.5	ND	89.4	70-130				
Perfluorotridecanoic acid (PFTriDA)	50.5	1.56	"	62.5	ND	80.8	70-130				
Perfluorotetradecanoic acid (PFTA)	54.6	1.56	"	62.5	ND	87.3	70-130				
N-MeFOSAA	60.9	1.56	"	62.5	ND	97.4	70-130				
N-EtFOSAA	54.7	1.56	"	62.5	ND	87.5	70-130				
9CL-PF3ONS	52.7	1.56	"	58.4	ND	90.2	70-130				
11CL-PF3OUdS	52.9	1.56	"	59.1	ND	89.5	70-130				
HFPO-DA (Gen-X)	54.1	1.56	"	62.5	ND	86.5	70-130				
ADONA	55.7	1.56	"	59.1	ND	94.2	50-130				
Surrogate: <i>d5-N-EtFOSAA</i>	265		"	250		106	70-130				
Surrogate: <i>13C-PFDA</i>	68.4		"	62.5		109	70-130				
Surrogate: <i>13C-PFHxA</i>	64.0		"	62.5		102	70-130				
Surrogate: <i>M3HFPO-DA</i>	62.8		"	62.5		100	70-130				



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Sample and Data Qualifiers Relating to This Work Order

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

Definitions and Other Explanations

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



York Analytical Laboratories, Inc.
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 Stratford, CT 06815
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 www.yorklab.com



YOUR Information

Company: Agave Environ mental Lab
 Address: 56 Church Hill Rd
Newtown Ct 06470
 Phone: _____
 Contact: _____
 E-mail: _____

Report To: _____
 Company: _____
 Address: _____
 Phone: _____
 Contact: _____
 E-mail: _____

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 process with the analyses requested below.
 Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 21L0248

Page _____ of _____

YOUR Project Number _____

YOUR Project Name _____

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

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

Sample Identification
877310
877317

YOUR PO#: _____

Turn-Around Time
 RUSH - Next Day
 RUSH - Two Day
 RUSH - Three Day
 RUSH - Four Day
 Standard (5-7 Day)

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

Container Description

Report / EDD Type (circle selections)

Standard Excel EDD
 EQUIS (Standard)
 NYSDC EQUIS
 NJDEP SRP HazSite
 Other: _____

Summary Report
 QA Report
 NY ASP A Package
 NY ASP B Package

CT RCP
 CT RCP DQA/DUE
 NJDEP Reduced Deliverables
 NJDKQP

Analysis Requested
PEAS - 18

Date/Time Sampled
12/3/21 11:20am
1 11:40am

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

Matrix Codes
 New York
 New Jersey
 Connecticut
 Pennsylvania
 Other

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

Field Filtered Lab to Filter

Special Instruction

Comments:

Signature Received by / Company
[Signature]
 Date/Time
12/3/21 8:37 am

Signature Received by / Company
 Date/Time

Signature Received by / Company
 Date/Time

Signature Received in LAB by
7906 12/6/21 08:37
 Date/Time

Signature Received in LAB by
 Date/Time

Signature Received in LAB by
 Date/Time

Temperature Received at Lab
6.0
 Degrees C



York Analytical Laboratories, Inc.
EXCEEDANCE ALERT for Potable Water

York Work Order No.21L0248

The following samples exhibited Levels that exceeded the MCL or other Regulatory Limit

<u>Client:</u> Aqua Environmental Lab	<u>Client Project</u> PFAS in Potable Water	<u>Client Project Number(s)</u> 277310/277317
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Lab ID	Client Sample	Analyte	Result	Units	MCL Limit, where applicable
21L0248-03	277317	Perfluorooctanesulfonic acid (PFOS)	16.8	ng/L	10
21L0248-01	277310	Perfluorooctanoic acid (PFOA)	13.3	ng/L	10
21L0248-01	277310	Perfluorooctanesulfonic acid (PFOS)	23.2	ng/L	10