

ANALYTICAL REPORT

Eurofins Chicago
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Laboratory Job ID: 500-220894-1
Client Project/Site: PFAS Testing

For:
City of Eau Claire
1000 Ferry Street
Eau Claire, Wisconsin 54703

Attn: Ty Fadness



Authorized for release by:
9/6/2022 7:44:41 AM

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Results relate only to the items tested and the sample(s) as received by the laboratory.



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Case Narrative

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Job ID: 500-220894-1

Laboratory: Eurofins Chicago

Narrative

**Job Narrative
500-220894-1**

Comments

No additional comments.

Receipt

The samples were received on 8/15/2022 8:35 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 25.6° C.

Receipt Exceptions

The container label for the following sample(s) did not match the information listed on the Chain-of-Custody (COC): 1. The container labels list the sample ID as EP Line 2, while the COC lists it as Entry Point Line 2. Logged and labeled according to COC. Entry Point Line 2 (500-220894-1).

Cooler received out of acceptable temperature range. Fedex tag lists 8/12/22 as the intended delivery date, but it arrived 8/15/22. No ice in cooler, but water present implies that ice melted during shipping delay. Proceed with analysis. Entry Point Line 2 (500-220894-1), EP Field Blank (500-220894-2), Well 6 (500-220894-3), Well 9 (500-220894-4), Well 14 (500-220894-5) and Well 22 (500-220894-6).

LCMS

No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-613674.

PFC_IDA_WI

Water

preparation batch 320-613674

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Entry Point Line 2

Lab Sample ID: 500-220894-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.4		4.4	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.7		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.4		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.7	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.2		1.8	0.76	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.1		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	2.9		1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	15		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.46	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.0		1.8	0.48	ng/L	1		537 (modified)	Total/NA

Client Sample ID: EP Field Blank

Lab Sample ID: 500-220894-2

No Detections.

Client Sample ID: Well 6

Lab Sample ID: 500-220894-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.1		4.3	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.2		1.7	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.4		1.7	0.50	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.4	J	1.7	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.4		1.7	0.74	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.6		1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	2.9		1.7	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	17		1.7	0.50	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.66	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	6.1		1.7	0.47	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 9

Lab Sample ID: 500-220894-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	15		4.1	2.0	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	13		1.7	0.41	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	10		1.7	0.48	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.8		1.7	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	5.7		1.7	0.71	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.29	J	1.7	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.8		1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	7.1		1.7	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	46		1.7	0.47	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	1.4	J	1.7	0.16	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	18		1.7	0.45	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 14

Lab Sample ID: 500-220894-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.8	J	4.4	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.3	J	1.8	0.43	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Well 14 (Continued)

Lab Sample ID: 500-220894-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	1.1	J	1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.55	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.9		1.8	0.75	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.0		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	3.2		1.8	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	24		1.8	0.50	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.53	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.1		1.8	0.47	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 22

Lab Sample ID: 500-220894-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.5		4.4	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.6		1.8	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.6		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.7	J	1.8	0.22	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.4		1.8	0.75	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	6.5		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.5	J	1.8	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	9.2		1.8	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.7		1.8	0.47	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	EET SAC
3535	Solid-Phase Extraction (SPE)	SW846	EET SAC

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



Sample Summary

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-220894-1	Entry Point Line 2	Water	08/10/22 07:35	08/15/22 08:35
500-220894-2	EP Field Blank	Water	08/10/22 07:37	08/15/22 08:35
500-220894-3	Well 6	Water	08/10/22 08:10	08/15/22 08:35
500-220894-4	Well 9	Water	08/10/22 07:57	08/15/22 08:35
500-220894-5	Well 14	Water	08/10/22 08:02	08/15/22 08:35
500-220894-6	Well 22	Water	08/10/22 08:10	08/15/22 08:35

- 1
- 2
- 3
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- 10
- 11
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- 14
- 15
- 16

Client Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Entry Point Line 2

Lab Sample ID: 500-220894-1

Date Collected: 08/10/22 07:35

Matrix: Water

Date Received: 08/15/22 08:35

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.4		4.4	2.1	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluoropentanoic acid (PFPeA)	3.7		1.8	0.44	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorohexanoic acid (PFHxA)	3.4		1.8	0.52	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluoroheptanoic acid (PFHpA)	1.7	J	1.8	0.22	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorooctanoic acid (PFOA)	2.2		1.8	0.76	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.79		1.8	0.79	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.84		1.8	0.84	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorobutanesulfonic acid (PFBS)	4.1		1.8	0.18	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluoropentanesulfonic acid (PFPeS)	2.9		1.8	0.27	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorohexanesulfonic acid (PFHxS)	15		1.8	0.51	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluoroheptanesulfonic acid (PFHpS)	0.46	J	1.8	0.17	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorooctanesulfonic acid (PFOS)	5.0		1.8	0.48	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		08/31/22 19:20	09/01/22 13:23	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		08/31/22 19:20	09/01/22 13:23	1
NEtFOSA	<0.77		1.8	0.77	ng/L		08/31/22 19:20	09/01/22 13:23	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/31/22 19:20	09/01/22 13:23	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		08/31/22 19:20	09/01/22 13:23	1
NEtFOSAA	<1.2		4.4	1.2	ng/L		08/31/22 19:20	09/01/22 13:23	1
NMeFOSE	<1.2		3.6	1.2	ng/L		08/31/22 19:20	09/01/22 13:23	1
NEtFOSE	<0.76		1.8	0.76	ng/L		08/31/22 19:20	09/01/22 13:23	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/31/22 19:20	09/01/22 13:23	1
6:2 FTS	<2.2		4.4	2.2	ng/L		08/31/22 19:20	09/01/22 13:23	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/31/22 19:20	09/01/22 13:23	1
10:2 FTS	<0.60		1.8	0.60	ng/L		08/31/22 19:20	09/01/22 13:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/31/22 19:20	09/01/22 13:23	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		08/31/22 19:20	09/01/22 13:23	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/31/22 19:20	09/01/22 13:23	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		08/31/22 19:20	09/01/22 13:23	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150				08/31/22 19:20	09/01/22 13:23	1
13C5 PFPeA	92		25 - 150				08/31/22 19:20	09/01/22 13:23	1
13C2 PFHxA	105		25 - 150				08/31/22 19:20	09/01/22 13:23	1
13C4 PFHpA	95		25 - 150				08/31/22 19:20	09/01/22 13:23	1
13C4 PFOA	102		25 - 150				08/31/22 19:20	09/01/22 13:23	1

Eurofins Chicago

Client Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Entry Point Line 2

Lab Sample ID: 500-220894-1

Date Collected: 08/10/22 07:35

Matrix: Water

Date Received: 08/15/22 08:35

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	101		25 - 150	08/31/22 19:20	09/01/22 13:23	1
13C2 PFDA	100		25 - 150	08/31/22 19:20	09/01/22 13:23	1
13C2 PFUnA	94		25 - 150	08/31/22 19:20	09/01/22 13:23	1
13C2 PFDoA	81		25 - 150	08/31/22 19:20	09/01/22 13:23	1
13C2 PFTeDA	89		25 - 150	08/31/22 19:20	09/01/22 13:23	1
13C2 PFHxDA	85		25 - 150	08/31/22 19:20	09/01/22 13:23	1
13C3 PFBS	88		25 - 150	08/31/22 19:20	09/01/22 13:23	1
18O2 PFHxS	96		25 - 150	08/31/22 19:20	09/01/22 13:23	1
13C4 PFOS	88		25 - 150	08/31/22 19:20	09/01/22 13:23	1
13C8 FOSA	91		10 - 150	08/31/22 19:20	09/01/22 13:23	1
d3-NMeFOSAA	73		25 - 150	08/31/22 19:20	09/01/22 13:23	1
d5-NEtFOSAA	79		25 - 150	08/31/22 19:20	09/01/22 13:23	1
d-N-MeFOSA-M	80		10 - 150	08/31/22 19:20	09/01/22 13:23	1
d-N-EtFOSA-M	71		10 - 150	08/31/22 19:20	09/01/22 13:23	1
d7-N-MeFOSE-M	71		10 - 150	08/31/22 19:20	09/01/22 13:23	1
d9-N-EtFOSE-M	71		10 - 150	08/31/22 19:20	09/01/22 13:23	1
M2-4:2 FTS	96		25 - 150	08/31/22 19:20	09/01/22 13:23	1
M2-6:2 FTS	100		25 - 150	08/31/22 19:20	09/01/22 13:23	1
M2-8:2 FTS	92		25 - 150	08/31/22 19:20	09/01/22 13:23	1
13C3 HFPO-DA	99		25 - 150	08/31/22 19:20	09/01/22 13:23	1
13C2 10:2 FTS	81		25 - 150	08/31/22 19:20	09/01/22 13:23	1

Client Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: EP Field Blank

Lab Sample ID: 500-220894-2

Date Collected: 08/10/22 07:37

Matrix: Water

Date Received: 08/15/22 08:35

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorohexanoic acid (PFHxA)	<0.52		1.8	0.52	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorooctanoic acid (PFOA)	<0.76		1.8	0.76	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluoroundecanoic acid (PFUnA)	<0.98		1.8	0.98	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorotetradecanoic acid (PFTeA)	<0.65		1.8	0.65	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.79		1.8	0.79	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.84		1.8	0.84	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		08/31/22 19:20	09/01/22 13:34	1
Perfluorooctanesulfonamide (FOSA)	<0.87		1.8	0.87	ng/L		08/31/22 19:20	09/01/22 13:34	1
NEtFOSA	<0.77		1.8	0.77	ng/L		08/31/22 19:20	09/01/22 13:34	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/31/22 19:20	09/01/22 13:34	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		08/31/22 19:20	09/01/22 13:34	1
NEtFOSAA	<1.2		4.4	1.2	ng/L		08/31/22 19:20	09/01/22 13:34	1
NMeFOSE	<1.2		3.6	1.2	ng/L		08/31/22 19:20	09/01/22 13:34	1
NEtFOSE	<0.76		1.8	0.76	ng/L		08/31/22 19:20	09/01/22 13:34	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/31/22 19:20	09/01/22 13:34	1
6:2 FTS	<2.2		4.4	2.2	ng/L		08/31/22 19:20	09/01/22 13:34	1
8:2 FTS	<0.41		1.8	0.41	ng/L		08/31/22 19:20	09/01/22 13:34	1
10:2 FTS	<0.60		1.8	0.60	ng/L		08/31/22 19:20	09/01/22 13:34	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		08/31/22 19:20	09/01/22 13:34	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		08/31/22 19:20	09/01/22 13:34	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/31/22 19:20	09/01/22 13:34	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		08/31/22 19:20	09/01/22 13:34	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	93		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C5 PFPeA	100		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C2 PFHxA	111		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C4 PFHpA	103		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C4 PFOA	103		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C5 PFNA	118		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C2 PFDA	110		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C2 PFUnA	101		25 - 150	08/31/22 19:20	09/01/22 13:34	1

Eurofins Chicago

Client Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: EP Field Blank

Lab Sample ID: 500-220894-2

Date Collected: 08/10/22 07:37

Matrix: Water

Date Received: 08/15/22 08:35

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDoA	96		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C2 PFTeDA	89		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C2 PFHxDA	95		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C3 PFBS	100		25 - 150	08/31/22 19:20	09/01/22 13:34	1
18O2 PFHxS	103		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C4 PFOS	94		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C8 FOSA	81		10 - 150	08/31/22 19:20	09/01/22 13:34	1
d3-NMeFOSAA	89		25 - 150	08/31/22 19:20	09/01/22 13:34	1
d5-NEtFOSAA	89		25 - 150	08/31/22 19:20	09/01/22 13:34	1
d-N-MeFOSA-M	82		10 - 150	08/31/22 19:20	09/01/22 13:34	1
d-N-EtFOSA-M	82		10 - 150	08/31/22 19:20	09/01/22 13:34	1
d7-N-MeFOSE-M	83		10 - 150	08/31/22 19:20	09/01/22 13:34	1
d9-N-EtFOSE-M	82		10 - 150	08/31/22 19:20	09/01/22 13:34	1
M2-4:2 FTS	108		25 - 150	08/31/22 19:20	09/01/22 13:34	1
M2-6:2 FTS	109		25 - 150	08/31/22 19:20	09/01/22 13:34	1
M2-8:2 FTS	110		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C3 HFPO-DA	111		25 - 150	08/31/22 19:20	09/01/22 13:34	1
13C2 10:2 FTS	97		25 - 150	08/31/22 19:20	09/01/22 13:34	1

Client Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Well 6
Date Collected: 08/10/22 08:10
Date Received: 08/15/22 08:35

Lab Sample ID: 500-220894-3
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.1		4.3	2.1	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluoropentanoic acid (PFPeA)	3.2		1.7	0.43	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorohexanoic acid (PFHxA)	2.4		1.7	0.50	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluoroheptanoic acid (PFHpA)	1.4	J	1.7	0.22	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorooctanoic acid (PFOA)	2.4		1.7	0.74	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluoroundecanoic acid (PFUnA)	<0.96		1.7	0.96	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.77		1.7	0.77	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.82		1.7	0.82	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorobutanesulfonic acid (PFBS)	2.6		1.7	0.17	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluoropentanesulfonic acid (PFPeS)	2.9		1.7	0.26	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorohexanesulfonic acid (PFHxS)	17		1.7	0.50	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluoroheptanesulfonic acid (PFHpS)	0.66	J	1.7	0.17	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorooctanesulfonic acid (PFOS)	6.1		1.7	0.47	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		08/31/22 19:20	09/01/22 13:44	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		08/31/22 19:20	09/01/22 13:44	1
NEtFOSA	<0.76		1.7	0.76	ng/L		08/31/22 19:20	09/01/22 13:44	1
NMeFOSA	<0.37		1.7	0.37	ng/L		08/31/22 19:20	09/01/22 13:44	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		08/31/22 19:20	09/01/22 13:44	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		08/31/22 19:20	09/01/22 13:44	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/31/22 19:20	09/01/22 13:44	1
NEtFOSE	<0.74		1.7	0.74	ng/L		08/31/22 19:20	09/01/22 13:44	1
4:2 FTS	<0.21		1.7	0.21	ng/L		08/31/22 19:20	09/01/22 13:44	1
6:2 FTS	<2.2		4.3	2.2	ng/L		08/31/22 19:20	09/01/22 13:44	1
8:2 FTS	<0.40		1.7	0.40	ng/L		08/31/22 19:20	09/01/22 13:44	1
10:2 FTS	<0.58		1.7	0.58	ng/L		08/31/22 19:20	09/01/22 13:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		08/31/22 19:20	09/01/22 13:44	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/31/22 19:20	09/01/22 13:44	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		08/31/22 19:20	09/01/22 13:44	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		08/31/22 19:20	09/01/22 13:44	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150				08/31/22 19:20	09/01/22 13:44	1
13C5 PFPeA	91		25 - 150				08/31/22 19:20	09/01/22 13:44	1
13C2 PFHxA	110		25 - 150				08/31/22 19:20	09/01/22 13:44	1
13C4 PFHpA	93		25 - 150				08/31/22 19:20	09/01/22 13:44	1
13C4 PFOA	104		25 - 150				08/31/22 19:20	09/01/22 13:44	1

Eurofins Chicago

Client Sample Results

Client: City of Eau Claire
 Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Well 6

Lab Sample ID: 500-220894-3

Date Collected: 08/10/22 08:10

Matrix: Water

Date Received: 08/15/22 08:35

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	102		25 - 150	08/31/22 19:20	09/01/22 13:44	1
13C2 PFDA	112		25 - 150	08/31/22 19:20	09/01/22 13:44	1
13C2 PFUnA	100		25 - 150	08/31/22 19:20	09/01/22 13:44	1
13C2 PFDoA	95		25 - 150	08/31/22 19:20	09/01/22 13:44	1
13C2 PFTeDA	86		25 - 150	08/31/22 19:20	09/01/22 13:44	1
13C2 PFHxDA	102		25 - 150	08/31/22 19:20	09/01/22 13:44	1
13C3 PFBS	98		25 - 150	08/31/22 19:20	09/01/22 13:44	1
18O2 PFHxS	101		25 - 150	08/31/22 19:20	09/01/22 13:44	1
13C4 PFOS	93		25 - 150	08/31/22 19:20	09/01/22 13:44	1
13C8 FOSA	88		10 - 150	08/31/22 19:20	09/01/22 13:44	1
d3-NMeFOSAA	83		25 - 150	08/31/22 19:20	09/01/22 13:44	1
d5-NEtFOSAA	90		25 - 150	08/31/22 19:20	09/01/22 13:44	1
d-N-MeFOSA-M	77		10 - 150	08/31/22 19:20	09/01/22 13:44	1
d-N-EtFOSA-M	79		10 - 150	08/31/22 19:20	09/01/22 13:44	1
d7-N-MeFOSE-M	82		10 - 150	08/31/22 19:20	09/01/22 13:44	1
d9-N-EtFOSE-M	73		10 - 150	08/31/22 19:20	09/01/22 13:44	1
M2-4:2 FTS	106		25 - 150	08/31/22 19:20	09/01/22 13:44	1
M2-6:2 FTS	102		25 - 150	08/31/22 19:20	09/01/22 13:44	1
M2-8:2 FTS	96		25 - 150	08/31/22 19:20	09/01/22 13:44	1
13C3 HFPO-DA	106		25 - 150	08/31/22 19:20	09/01/22 13:44	1
13C2 10:2 FTS	88		25 - 150	08/31/22 19:20	09/01/22 13:44	1

Client Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Well 9

Lab Sample ID: 500-220894-4

Date Collected: 08/10/22 07:57

Matrix: Water

Date Received: 08/15/22 08:35

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	15		4.1	2.0	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluoropentanoic acid (PFPeA)	13		1.7	0.41	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorohexanoic acid (PFHxA)	10		1.7	0.48	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluoroheptanoic acid (PFHpA)	3.8		1.7	0.21	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorooctanoic acid (PFOA)	5.7		1.7	0.71	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorononanoic acid (PFNA)	0.29	J	1.7	0.22	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorodecanoic acid (PFDA)	<0.26		1.7	0.26	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluoroundecanoic acid (PFUnA)	<0.91		1.7	0.91	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorododecanoic acid (PFDoA)	<0.46		1.7	0.46	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.61		1.7	0.61	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.74		1.7	0.74	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.78		1.7	0.78	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorobutanesulfonic acid (PFBS)	5.8		1.7	0.17	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluoropentanesulfonic acid (PFPeS)	7.1		1.7	0.25	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorohexanesulfonic acid (PFHxS)	46		1.7	0.47	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluoroheptanesulfonic acid (PFHpS)	1.4	J	1.7	0.16	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorooctanesulfonic acid (PFOS)	18		1.7	0.45	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorododecanesulfonic acid (PFDoS)	<0.80		1.7	0.80	ng/L		08/31/22 19:20	09/01/22 13:54	1
Perfluorooctanesulfonamide (FOSA)	<0.81		1.7	0.81	ng/L		08/31/22 19:20	09/01/22 13:54	1
NEtFOSA	<0.72		1.7	0.72	ng/L		08/31/22 19:20	09/01/22 13:54	1
NMeFOSA	<0.36		1.7	0.36	ng/L		08/31/22 19:20	09/01/22 13:54	1
NMeFOSAA	<1.0		4.1	1.0	ng/L		08/31/22 19:20	09/01/22 13:54	1
NEtFOSAA	<1.1		4.1	1.1	ng/L		08/31/22 19:20	09/01/22 13:54	1
NMeFOSE	<1.2		3.3	1.2	ng/L		08/31/22 19:20	09/01/22 13:54	1
NEtFOSE	<0.71		1.7	0.71	ng/L		08/31/22 19:20	09/01/22 13:54	1
4:2 FTS	<0.20		1.7	0.20	ng/L		08/31/22 19:20	09/01/22 13:54	1
6:2 FTS	<2.1		4.1	2.1	ng/L		08/31/22 19:20	09/01/22 13:54	1
8:2 FTS	<0.38		1.7	0.38	ng/L		08/31/22 19:20	09/01/22 13:54	1
10:2 FTS	<0.56		1.7	0.56	ng/L		08/31/22 19:20	09/01/22 13:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.7	0.33	ng/L		08/31/22 19:20	09/01/22 13:54	1
HFPO-DA (GenX)	<1.2		3.3	1.2	ng/L		08/31/22 19:20	09/01/22 13:54	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		08/31/22 19:20	09/01/22 13:54	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		08/31/22 19:20	09/01/22 13:54	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150				08/31/22 19:20	09/01/22 13:54	1
13C5 PFPeA	97		25 - 150				08/31/22 19:20	09/01/22 13:54	1
13C2 PFHxA	106		25 - 150				08/31/22 19:20	09/01/22 13:54	1
13C4 PFHpA	101		25 - 150				08/31/22 19:20	09/01/22 13:54	1
13C4 PFOA	101		25 - 150				08/31/22 19:20	09/01/22 13:54	1

Eurofins Chicago

Client Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Well 9

Lab Sample ID: 500-220894-4

Date Collected: 08/10/22 07:57

Matrix: Water

Date Received: 08/15/22 08:35

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	100		25 - 150	08/31/22 19:20	09/01/22 13:54	1
13C2 PFDA	106		25 - 150	08/31/22 19:20	09/01/22 13:54	1
13C2 PFUnA	98		25 - 150	08/31/22 19:20	09/01/22 13:54	1
13C2 PFDoA	90		25 - 150	08/31/22 19:20	09/01/22 13:54	1
13C2 PFTeDA	85		25 - 150	08/31/22 19:20	09/01/22 13:54	1
13C2 PFHxDA	102		25 - 150	08/31/22 19:20	09/01/22 13:54	1
13C3 PFBS	100		25 - 150	08/31/22 19:20	09/01/22 13:54	1
18O2 PFHxS	102		25 - 150	08/31/22 19:20	09/01/22 13:54	1
13C4 PFOS	90		25 - 150	08/31/22 19:20	09/01/22 13:54	1
13C8 FOSA	87		10 - 150	08/31/22 19:20	09/01/22 13:54	1
d3-NMeFOSAA	82		25 - 150	08/31/22 19:20	09/01/22 13:54	1
d5-NEtFOSAA	86		25 - 150	08/31/22 19:20	09/01/22 13:54	1
d-N-MeFOSA-M	78		10 - 150	08/31/22 19:20	09/01/22 13:54	1
d-N-EtFOSA-M	74		10 - 150	08/31/22 19:20	09/01/22 13:54	1
d7-N-MeFOSE-M	76		10 - 150	08/31/22 19:20	09/01/22 13:54	1
d9-N-EtFOSE-M	73		10 - 150	08/31/22 19:20	09/01/22 13:54	1
M2-4:2 FTS	104		25 - 150	08/31/22 19:20	09/01/22 13:54	1
M2-6:2 FTS	108		25 - 150	08/31/22 19:20	09/01/22 13:54	1
M2-8:2 FTS	100		25 - 150	08/31/22 19:20	09/01/22 13:54	1
13C3 HFPO-DA	109		25 - 150	08/31/22 19:20	09/01/22 13:54	1
13C2 10:2 FTS	91		25 - 150	08/31/22 19:20	09/01/22 13:54	1

Client Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Well 14

Lab Sample ID: 500-220894-5

Date Collected: 08/10/22 08:02

Matrix: Water

Date Received: 08/15/22 08:35

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.8	J	4.4	2.1	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluoropentanoic acid (PFPeA)	1.3	J	1.8	0.43	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorohexanoic acid (PFHxA)	1.1	J	1.8	0.51	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluoroheptanoic acid (PFHpA)	0.55	J	1.8	0.22	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorooctanoic acid (PFOA)	1.9		1.8	0.75	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.8	0.48	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.78		1.8	0.78	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.83		1.8	0.83	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorobutanesulfonic acid (PFBS)	3.0		1.8	0.18	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluoropentanesulfonic acid (PFPeS)	3.2		1.8	0.26	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorohexanesulfonic acid (PFHxS)	24		1.8	0.50	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluoroheptanesulfonic acid (PFHpS)	0.53	J	1.8	0.17	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorooctanesulfonic acid (PFOS)	8.1		1.8	0.47	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorododecanesulfonic acid (PFDoS)	<0.85		1.8	0.85	ng/L		08/31/22 19:20	09/01/22 14:04	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		08/31/22 19:20	09/01/22 14:04	1
NEtFOSA	<0.76		1.8	0.76	ng/L		08/31/22 19:20	09/01/22 14:04	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/31/22 19:20	09/01/22 14:04	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		08/31/22 19:20	09/01/22 14:04	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		08/31/22 19:20	09/01/22 14:04	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/31/22 19:20	09/01/22 14:04	1
NEtFOSE	<0.75		1.8	0.75	ng/L		08/31/22 19:20	09/01/22 14:04	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/31/22 19:20	09/01/22 14:04	1
6:2 FTS	<2.2		4.4	2.2	ng/L		08/31/22 19:20	09/01/22 14:04	1
8:2 FTS	<0.40		1.8	0.40	ng/L		08/31/22 19:20	09/01/22 14:04	1
10:2 FTS	<0.59		1.8	0.59	ng/L		08/31/22 19:20	09/01/22 14:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		08/31/22 19:20	09/01/22 14:04	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/31/22 19:20	09/01/22 14:04	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/31/22 19:20	09/01/22 14:04	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		08/31/22 19:20	09/01/22 14:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150				08/31/22 19:20	09/01/22 14:04	1
13C5 PFPeA	98		25 - 150				08/31/22 19:20	09/01/22 14:04	1
13C2 PFHxA	108		25 - 150				08/31/22 19:20	09/01/22 14:04	1
13C4 PFHpA	102		25 - 150				08/31/22 19:20	09/01/22 14:04	1
13C4 PFOA	102		25 - 150				08/31/22 19:20	09/01/22 14:04	1

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Client Sample Results

Client: City of Eau Claire
 Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Well 14
Date Collected: 08/10/22 08:02
Date Received: 08/15/22 08:35

Lab Sample ID: 500-220894-5
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	109		25 - 150	08/31/22 19:20	09/01/22 14:04	1
13C2 PFDA	100		25 - 150	08/31/22 19:20	09/01/22 14:04	1
13C2 PFUnA	98		25 - 150	08/31/22 19:20	09/01/22 14:04	1
13C2 PFDoA	91		25 - 150	08/31/22 19:20	09/01/22 14:04	1
13C2 PFTeDA	87		25 - 150	08/31/22 19:20	09/01/22 14:04	1
13C2 PFHxDA	92		25 - 150	08/31/22 19:20	09/01/22 14:04	1
13C3 PFBS	101		25 - 150	08/31/22 19:20	09/01/22 14:04	1
18O2 PFHxS	104		25 - 150	08/31/22 19:20	09/01/22 14:04	1
13C4 PFOS	99		25 - 150	08/31/22 19:20	09/01/22 14:04	1
13C8 FOSA	90		10 - 150	08/31/22 19:20	09/01/22 14:04	1
d3-NMeFOSAA	86		25 - 150	08/31/22 19:20	09/01/22 14:04	1
d5-NEtFOSAA	85		25 - 150	08/31/22 19:20	09/01/22 14:04	1
d-N-MeFOSA-M	76		10 - 150	08/31/22 19:20	09/01/22 14:04	1
d-N-EtFOSA-M	77		10 - 150	08/31/22 19:20	09/01/22 14:04	1
d7-N-MeFOSE-M	75		10 - 150	08/31/22 19:20	09/01/22 14:04	1
d9-N-EtFOSE-M	73		10 - 150	08/31/22 19:20	09/01/22 14:04	1
M2-4:2 FTS	100		25 - 150	08/31/22 19:20	09/01/22 14:04	1
M2-6:2 FTS	96		25 - 150	08/31/22 19:20	09/01/22 14:04	1
M2-8:2 FTS	99		25 - 150	08/31/22 19:20	09/01/22 14:04	1
13C3 HFPO-DA	106		25 - 150	08/31/22 19:20	09/01/22 14:04	1
13C2 10:2 FTS	92		25 - 150	08/31/22 19:20	09/01/22 14:04	1

Client Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Well 22

Lab Sample ID: 500-220894-6

Date Collected: 08/10/22 08:10

Matrix: Water

Date Received: 08/15/22 08:35

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.5		4.4	2.1	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluoropentanoic acid (PFPeA)	4.6		1.8	0.43	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorohexanoic acid (PFHxA)	3.6		1.8	0.51	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluoroheptanoic acid (PFHpA)	1.7	J	1.8	0.22	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorooctanoic acid (PFOA)	3.4		1.8	0.75	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.8	0.48	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.78		1.8	0.78	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.83		1.8	0.83	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorobutanesulfonic acid (PFBS)	6.5		1.8	0.18	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluoropentanesulfonic acid (PFPeS)	1.5	J	1.8	0.26	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorohexanesulfonic acid (PFHxS)	9.2		1.8	0.50	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.17		1.8	0.17	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorooctanesulfonic acid (PFOS)	2.7		1.8	0.47	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorododecanesulfonic acid (PFDoS)	<0.85		1.8	0.85	ng/L		08/31/22 19:20	09/01/22 14:14	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		08/31/22 19:20	09/01/22 14:14	1
NEtFOSA	<0.77		1.8	0.77	ng/L		08/31/22 19:20	09/01/22 14:14	1
NMeFOSA	<0.38		1.8	0.38	ng/L		08/31/22 19:20	09/01/22 14:14	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		08/31/22 19:20	09/01/22 14:14	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		08/31/22 19:20	09/01/22 14:14	1
NMeFOSE	<1.2		3.5	1.2	ng/L		08/31/22 19:20	09/01/22 14:14	1
NEtFOSE	<0.75		1.8	0.75	ng/L		08/31/22 19:20	09/01/22 14:14	1
4:2 FTS	<0.21		1.8	0.21	ng/L		08/31/22 19:20	09/01/22 14:14	1
6:2 FTS	<2.2		4.4	2.2	ng/L		08/31/22 19:20	09/01/22 14:14	1
8:2 FTS	<0.40		1.8	0.40	ng/L		08/31/22 19:20	09/01/22 14:14	1
10:2 FTS	<0.59		1.8	0.59	ng/L		08/31/22 19:20	09/01/22 14:14	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		08/31/22 19:20	09/01/22 14:14	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		08/31/22 19:20	09/01/22 14:14	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		08/31/22 19:20	09/01/22 14:14	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		08/31/22 19:20	09/01/22 14:14	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150				08/31/22 19:20	09/01/22 14:14	1
13C5 PFPeA	98		25 - 150				08/31/22 19:20	09/01/22 14:14	1
13C2 PFHxA	110		25 - 150				08/31/22 19:20	09/01/22 14:14	1
13C4 PFHpA	101		25 - 150				08/31/22 19:20	09/01/22 14:14	1
13C4 PFOA	109		25 - 150				08/31/22 19:20	09/01/22 14:14	1

Eurofins Chicago

Client Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Well 22

Lab Sample ID: 500-220894-6

Date Collected: 08/10/22 08:10

Matrix: Water

Date Received: 08/15/22 08:35

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	104		25 - 150	08/31/22 19:20	09/01/22 14:14	1
13C2 PFDA	108		25 - 150	08/31/22 19:20	09/01/22 14:14	1
13C2 PFUnA	104		25 - 150	08/31/22 19:20	09/01/22 14:14	1
13C2 PFDoA	101		25 - 150	08/31/22 19:20	09/01/22 14:14	1
13C2 PFTeDA	93		25 - 150	08/31/22 19:20	09/01/22 14:14	1
13C2 PFHxDA	106		25 - 150	08/31/22 19:20	09/01/22 14:14	1
13C3 PFBS	102		25 - 150	08/31/22 19:20	09/01/22 14:14	1
18O2 PFHxS	106		25 - 150	08/31/22 19:20	09/01/22 14:14	1
13C4 PFOS	98		25 - 150	08/31/22 19:20	09/01/22 14:14	1
13C8 FOSA	95		10 - 150	08/31/22 19:20	09/01/22 14:14	1
d3-NMeFOSAA	86		25 - 150	08/31/22 19:20	09/01/22 14:14	1
d5-NEtFOSAA	91		25 - 150	08/31/22 19:20	09/01/22 14:14	1
d-N-MeFOSA-M	82		10 - 150	08/31/22 19:20	09/01/22 14:14	1
d-N-EtFOSA-M	82		10 - 150	08/31/22 19:20	09/01/22 14:14	1
d7-N-MeFOSE-M	88		10 - 150	08/31/22 19:20	09/01/22 14:14	1
d9-N-EtFOSE-M	81		10 - 150	08/31/22 19:20	09/01/22 14:14	1
M2-4:2 FTS	103		25 - 150	08/31/22 19:20	09/01/22 14:14	1
M2-6:2 FTS	95		25 - 150	08/31/22 19:20	09/01/22 14:14	1
M2-8:2 FTS	101		25 - 150	08/31/22 19:20	09/01/22 14:14	1
13C3 HFPO-DA	108		25 - 150	08/31/22 19:20	09/01/22 14:14	1
13C2 10:2 FTS	99		25 - 150	08/31/22 19:20	09/01/22 14:14	1

Definitions/Glossary

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Qualifiers

LCMS

Qualifier	Qualifier Description
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

QC Association Summary

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

LCMS

Prep Batch: 613674

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-220894-1	Entry Point Line 2	Total/NA	Water	3535	
500-220894-2	EP Field Blank	Total/NA	Water	3535	
500-220894-3	Well 6	Total/NA	Water	3535	
500-220894-4	Well 9	Total/NA	Water	3535	
500-220894-5	Well 14	Total/NA	Water	3535	
500-220894-6	Well 22	Total/NA	Water	3535	
MB 320-613674/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-613674/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-613674/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 613863

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-220894-1	Entry Point Line 2	Total/NA	Water	537 (modified)	613674
500-220894-2	EP Field Blank	Total/NA	Water	537 (modified)	613674
500-220894-3	Well 6	Total/NA	Water	537 (modified)	613674
500-220894-4	Well 9	Total/NA	Water	537 (modified)	613674
500-220894-5	Well 14	Total/NA	Water	537 (modified)	613674
500-220894-6	Well 22	Total/NA	Water	537 (modified)	613674
MB 320-613674/1-A	Method Blank	Total/NA	Water	537 (modified)	613674
LCS 320-613674/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	613674
LCSD 320-613674/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	613674

QC Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-613674/1-A
Matrix: Water
Analysis Batch: 613863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613674

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.94		2.0	0.94	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		08/31/22 19:20	09/01/22 10:52	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		08/31/22 19:20	09/01/22 10:52	1
NEtFOSA	<0.87		2.0	0.87	ng/L		08/31/22 19:20	09/01/22 10:52	1
NMeFOSA	<0.43		2.0	0.43	ng/L		08/31/22 19:20	09/01/22 10:52	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		08/31/22 19:20	09/01/22 10:52	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		08/31/22 19:20	09/01/22 10:52	1
NMeFOSE	<1.4		4.0	1.4	ng/L		08/31/22 19:20	09/01/22 10:52	1
NEtFOSE	<0.85		2.0	0.85	ng/L		08/31/22 19:20	09/01/22 10:52	1
4:2 FTS	<0.24		2.0	0.24	ng/L		08/31/22 19:20	09/01/22 10:52	1
6:2 FTS	<2.5		5.0	2.5	ng/L		08/31/22 19:20	09/01/22 10:52	1
8:2 FTS	<0.46		2.0	0.46	ng/L		08/31/22 19:20	09/01/22 10:52	1
10:2 FTS	<0.67		2.0	0.67	ng/L		08/31/22 19:20	09/01/22 10:52	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		08/31/22 19:20	09/01/22 10:52	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		08/31/22 19:20	09/01/22 10:52	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		08/31/22 19:20	09/01/22 10:52	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		08/31/22 19:20	09/01/22 10:52	1
Isotope Dilution	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
13C4 PFBA	90		25 - 150				08/31/22 19:20	09/01/22 10:52	1
13C5 PFPeA	98		25 - 150				08/31/22 19:20	09/01/22 10:52	1
13C2 PFHxA	101		25 - 150				08/31/22 19:20	09/01/22 10:52	1
13C4 PFHpA	95		25 - 150				08/31/22 19:20	09/01/22 10:52	1
13C4 PFOA	106		25 - 150				08/31/22 19:20	09/01/22 10:52	1
13C5 PFNA	105		25 - 150				08/31/22 19:20	09/01/22 10:52	1

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QC Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: MB 320-613674/1-A
Matrix: Water
Analysis Batch: 613863

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 613674

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	105		25 - 150	08/31/22 19:20	09/01/22 10:52	1
13C2 PFUnA	100		25 - 150	08/31/22 19:20	09/01/22 10:52	1
13C2 PFDoA	96		25 - 150	08/31/22 19:20	09/01/22 10:52	1
13C2 PFTeDA	92		25 - 150	08/31/22 19:20	09/01/22 10:52	1
13C2 PFHxDA	96		25 - 150	08/31/22 19:20	09/01/22 10:52	1
13C3 PFBS	105		25 - 150	08/31/22 19:20	09/01/22 10:52	1
18O2 PFHxS	109		25 - 150	08/31/22 19:20	09/01/22 10:52	1
13C4 PFOS	98		25 - 150	08/31/22 19:20	09/01/22 10:52	1
13C8 FOSA	90		10 - 150	08/31/22 19:20	09/01/22 10:52	1
d3-NMeFOSAA	94		25 - 150	08/31/22 19:20	09/01/22 10:52	1
d5-NEtFOSAA	104		25 - 150	08/31/22 19:20	09/01/22 10:52	1
d-N-MeFOSA-M	76		10 - 150	08/31/22 19:20	09/01/22 10:52	1
d-N-EtFOSA-M	71		10 - 150	08/31/22 19:20	09/01/22 10:52	1
d7-N-MeFOSE-M	86		10 - 150	08/31/22 19:20	09/01/22 10:52	1
d9-N-EtFOSE-M	85		10 - 150	08/31/22 19:20	09/01/22 10:52	1
M2-4:2 FTS	114		25 - 150	08/31/22 19:20	09/01/22 10:52	1
M2-6:2 FTS	107		25 - 150	08/31/22 19:20	09/01/22 10:52	1
M2-8:2 FTS	101		25 - 150	08/31/22 19:20	09/01/22 10:52	1
13C3 HFPO-DA	105		25 - 150	08/31/22 19:20	09/01/22 10:52	1
13C2 10:2 FTS	97		25 - 150	08/31/22 19:20	09/01/22 10:52	1

Lab Sample ID: LCS 320-613674/2-A
Matrix: Water
Analysis Batch: 613863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	Limits
Perfluoropentanoic acid (PFPeA)	40.0	43.9		ng/L		110	60 - 135	
Perfluorohexanoic acid (PFHxA)	40.0	41.5		ng/L		104	60 - 135	
Perfluoroheptanoic acid (PFHpA)	40.0	45.7		ng/L		114	60 - 135	
Perfluorooctanoic acid (PFOA)	40.0	40.4		ng/L		101	60 - 135	
Perfluorononanoic acid (PFNA)	40.0	43.7		ng/L		109	60 - 135	
Perfluorodecanoic acid (PFDA)	40.0	41.3		ng/L		103	60 - 135	
Perfluoroundecanoic acid (PFUnA)	40.0	44.5		ng/L		111	60 - 135	
Perfluorododecanoic acid (PFDoA)	40.0	39.0		ng/L		98	60 - 135	
Perfluorotridecanoic acid (PFTTrDA)	40.0	39.5		ng/L		99	60 - 135	
Perfluorotetradecanoic acid (PFTeA)	40.0	39.8		ng/L		100	60 - 135	
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	42.3		ng/L		106	60 - 135	
Perfluoro-n-octadecanoic acid (PFODA)	40.0	35.8		ng/L		90	60 - 135	
Perfluorobutanesulfonic acid (PFBS)	35.5	37.6		ng/L		106	60 - 135	
Perfluoropentanesulfonic acid (PFPeS)	37.5	39.6		ng/L		106	60 - 135	
Perfluorohexanesulfonic acid (PFHxS)	36.5	35.6		ng/L		98	60 - 135	

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QC Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-613674/2-A
Matrix: Water
Analysis Batch: 613863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613674

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	38.2	42.8		ng/L		112	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	39.1		ng/L		105	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	41.8		ng/L		109	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	38.2		ng/L		99	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	37.7		ng/L		97	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	42.9		ng/L		107	60 - 135
NEtFOSA	40.0	41.9		ng/L		105	60 - 135
NMeFOSA	40.0	39.5		ng/L		99	60 - 135
NMeFOSAA	40.0	44.4		ng/L		111	60 - 135
NEtFOSAA	40.0	43.9		ng/L		110	60 - 135
NMeFOSE	40.0	45.5		ng/L		114	60 - 135
NEtFOSE	40.0	43.9		ng/L		110	60 - 135
4:2 FTS	37.5	36.5		ng/L		97	60 - 135
6:2 FTS	38.1	41.2		ng/L		108	60 - 135
8:2 FTS	38.4	41.2		ng/L		107	60 - 135
10:2 FTS	38.6	42.2		ng/L		109	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	42.7		ng/L		113	60 - 135
HFPO-DA (GenX)	40.0	43.9		ng/L		110	60 - 135
9CI-PF3ONS	37.4	39.8		ng/L		107	60 - 135
11CI-PF3OUdS	37.8	37.8		ng/L		100	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	91		25 - 150
13C5 PFPeA	98		25 - 150
13C2 PFHxA	99		25 - 150
13C4 PFHpA	94		25 - 150
13C4 PFOA	105		25 - 150
13C5 PFNA	105		25 - 150
13C2 PFDA	110		25 - 150
13C2 PFUnA	100		25 - 150
13C2 PFDoA	101		25 - 150
13C2 PFTeDA	97		25 - 150
13C2 PFHxDA	99		25 - 150
13C3 PFBS	103		25 - 150
18O2 PFHxS	105		25 - 150
13C4 PFOS	100		25 - 150
13C8 FOSA	90		10 - 150
d3-NMeFOSAA	85		25 - 150
d5-NEtFOSAA	92		25 - 150
d-N-MeFOSA-M	85		10 - 150
d-N-EtFOSA-M	89		10 - 150
d7-N-MeFOSE-M	88		10 - 150
d9-N-EtFOSE-M	87		10 - 150

QC Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-613674/2-A
Matrix: Water
Analysis Batch: 613863

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 613674

<i>Isotope Dilution</i>	<i>LCS</i>	<i>LCS</i>	<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
M2-4:2 FTS	107		25 - 150
M2-6:2 FTS	103		25 - 150
M2-8:2 FTS	102		25 - 150
13C3 HFPO-DA	99		25 - 150
13C2 10:2 FTS	89		25 - 150

Lab Sample ID: LCSD 320-613674/3-A
Matrix: Water
Analysis Batch: 613863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 613674

<i>Analyte</i>	<i>Spike</i>	<i>LCSD</i>	<i>LCSD</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec</i>	<i>RPD</i>	<i>RPD</i>	<i>Limit</i>
	<i>Added</i>	<i>Result</i>	<i>Qualifier</i>				<i>Limits</i>			
Perfluorobutanoic acid (PFBA)	40.0	45.7		ng/L		114	60 - 135	2		30
Perfluoropentanoic acid (PFPeA)	40.0	42.6		ng/L		107	60 - 135	3		30
Perfluorohexanoic acid (PFHxA)	40.0	39.5		ng/L		99	60 - 135	5		30
Perfluoroheptanoic acid (PFHpA)	40.0	45.4		ng/L		114	60 - 135	1		30
Perfluorooctanoic acid (PFOA)	40.0	40.6		ng/L		102	60 - 135	1		30
Perfluorononanoic acid (PFNA)	40.0	39.9		ng/L		100	60 - 135	9		30
Perfluorodecanoic acid (PFDA)	40.0	40.4		ng/L		101	60 - 135	2		30
Perfluoroundecanoic acid (PFUnA)	40.0	41.9		ng/L		105	60 - 135	6		30
Perfluorododecanoic acid (PFDoA)	40.0	38.1		ng/L		95	60 - 135	2		30
Perfluorotridecanoic acid (PFTrDA)	40.0	40.0		ng/L		100	60 - 135	1		30
Perfluorotetradecanoic acid (PFTeA)	40.0	42.4		ng/L		106	60 - 135	6		30
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	39.2		ng/L		98	60 - 135	8		30
Perfluoro-n-octadecanoic acid (PFODA)	40.0	43.3		ng/L		108	60 - 135	19		30
Perfluorobutanesulfonic acid (PFBS)	35.5	35.8		ng/L		101	60 - 135	5		30
Perfluoropentanesulfonic acid (PFPeS)	37.5	38.5		ng/L		103	60 - 135	3		30
Perfluorohexanesulfonic acid (PFHxS)	36.5	37.2		ng/L		102	60 - 135	4		30
Perfluoroheptanesulfonic acid (PFHpS)	38.2	40.4		ng/L		106	60 - 135	6		30
Perfluorooctanesulfonic acid (PFOS)	37.2	35.9		ng/L		97	60 - 135	8		30
Perfluorononanesulfonic acid (PFNS)	38.5	40.7		ng/L		106	60 - 135	2		30
Perfluorodecanesulfonic acid (PFDS)	38.6	38.5		ng/L		100	60 - 135	1		30
Perfluorododecanesulfonic acid (PFDoS)	38.8	35.4		ng/L		91	60 - 135	6		30
Perfluorooctanesulfonamide (FOSA)	40.0	43.3		ng/L		108	60 - 135	1		30
NEtFOSA	40.0	45.1		ng/L		113	60 - 135	7		30
NMeFOSA	40.0	39.3		ng/L		98	60 - 135	1		30
NMeFOSAA	40.0	39.1		ng/L		98	60 - 135	13		30
NEtFOSAA	40.0	40.8		ng/L		102	60 - 135	7		30
NMeFOSE	40.0	39.4		ng/L		99	60 - 135	14		30

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QC Sample Results

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Method: 537 (modified) - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCSD 320-613674/3-A
Matrix: Water
Analysis Batch: 613863

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 613674

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NETFOSE	40.0	42.3		ng/L		106	60 - 135	4	30
4:2 FTS	37.5	37.6		ng/L		100	60 - 135	3	30
6:2 FTS	38.1	42.0		ng/L		110	60 - 135	2	30
8:2 FTS	38.4	40.4		ng/L		105	60 - 135	2	30
10:2 FTS	38.6	37.8		ng/L		98	60 - 135	11	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	40.6		ng/L		107	60 - 135	5	30
HFPO-DA (GenX)	40.0	40.3		ng/L		101	60 - 135	9	30
9CI-PF3ONS	37.4	40.9		ng/L		109	60 - 135	3	30
11CI-PF3OUdS	37.8	36.3		ng/L		96	60 - 135	4	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	95		25 - 150
13C5 PFPeA	99		25 - 150
13C2 PFHxA	107		25 - 150
13C4 PFHpA	97		25 - 150
13C4 PFOA	111		25 - 150
13C5 PFNA	110		25 - 150
13C2 PFDA	118		25 - 150
13C2 PFUnA	105		25 - 150
13C2 PFDoA	108		25 - 150
13C2 PFTeDA	105		25 - 150
13C2 PFHxDA	104		25 - 150
13C3 PFBS	103		25 - 150
18O2 PFHxS	101		25 - 150
13C4 PFOS	102		25 - 150
13C8 FOSA	95		10 - 150
d3-NMeFOSAA	101		25 - 150
d5-NEtFOSAA	106		25 - 150
d-N-MeFOSA-M	97		10 - 150
d-N-EtFOSA-M	92		10 - 150
d7-N-MeFOSE-M	104		10 - 150
d9-N-EtFOSE-M	101		10 - 150
M2-4:2 FTS	105		25 - 150
M2-6:2 FTS	107		25 - 150
M2-8:2 FTS	106		25 - 150
13C3 HFPO-DA	106		25 - 150
13C2 10:2 FTS	118		25 - 150

Lab Chronicle

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Client Sample ID: Entry Point Line 2

Lab Sample ID: 500-220894-1

Date Collected: 08/10/22 07:35

Matrix: Water

Date Received: 08/15/22 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			613674	AM	EET SAC	08/31/22 19:20
Total/NA	Analysis	537 (modified)		1	613863	RS1	EET SAC	09/01/22 13:23

Client Sample ID: EP Field Blank

Lab Sample ID: 500-220894-2

Date Collected: 08/10/22 07:37

Matrix: Water

Date Received: 08/15/22 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			613674	AM	EET SAC	08/31/22 19:20
Total/NA	Analysis	537 (modified)		1	613863	RS1	EET SAC	09/01/22 13:34

Client Sample ID: Well 6

Lab Sample ID: 500-220894-3

Date Collected: 08/10/22 08:10

Matrix: Water

Date Received: 08/15/22 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			613674	AM	EET SAC	08/31/22 19:20
Total/NA	Analysis	537 (modified)		1	613863	RS1	EET SAC	09/01/22 13:44

Client Sample ID: Well 9

Lab Sample ID: 500-220894-4

Date Collected: 08/10/22 07:57

Matrix: Water

Date Received: 08/15/22 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			613674	AM	EET SAC	08/31/22 19:20
Total/NA	Analysis	537 (modified)		1	613863	RS1	EET SAC	09/01/22 13:54

Client Sample ID: Well 14

Lab Sample ID: 500-220894-5

Date Collected: 08/10/22 08:02

Matrix: Water

Date Received: 08/15/22 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			613674	AM	EET SAC	08/31/22 19:20
Total/NA	Analysis	537 (modified)		1	613863	RS1	EET SAC	09/01/22 14:04

Client Sample ID: Well 22

Lab Sample ID: 500-220894-6

Date Collected: 08/10/22 08:10

Matrix: Water

Date Received: 08/15/22 08:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3535			613674	AM	EET SAC	08/31/22 19:20
Total/NA	Analysis	537 (modified)		1	613863	RS1	EET SAC	09/01/22 14:14

Laboratory References:

EET SAC = Eurofins Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600

Eurofins Chicago

Accreditation/Certification Summary

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Laboratory: Eurofins Sacramento

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-23

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16

Login Sample Receipt Checklist

Client: City of Eau Claire

Job Number: 500-220894-1

Login Number: 220894

List Number: 1

Creator: Scott, Sherri L

List Source: Eurofins Chicago

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	False	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: City of Eau Claire

Job Number: 500-220894-1

Login Number: 220894

List Number: 2

Creator: Cahill, Nicholas P

List Source: Eurofins Sacramento

List Creation: 08/15/22 08:45 PM

Question	Answer	Comment
Radioactivity wasn't checked or is <=/ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	2007826
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	25.6c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	False	IDs on containers do not match the COC. Logged in per COC.
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	



500-220894 Field Sheet

Tracking #: 5776 0597 9457

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Job: _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: L-04 Corr. Factor: (+/-) 0 °C

Ice _____ Wet Gel _____ Other _____

Cooler Custody Seal: 2007826

Cooler ID: _____

Temp Observed: 25.6 °C Corrected: 25.6 °C
From: Temp Blank Sample

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cooler Temperature is acceptable?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Frozen samples show signs of thaw?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Initials: NC Date: 8-15-22

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples compromised/tampered with?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Containers are not broken or leaking?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample custody seal?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample date/times are provided?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Appropriate containers are used?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample bottles are completely filled?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample preservatives verified?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Is the Field Sampler's name on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples require splitting/compositing?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Samples w/o discrepancies?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Zero headspace?*	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Alkalinity has no headspace?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Perchlorate has headspace? (Methods 314, 331, 6850)	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Multiphasic samples are not present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: NC Date: 8-15-22

Notes: Coder out of temp.
Ice melted. FedEx tag lists
8/12/22 as delivery date.

NC 8-15-22 ~~NC 8-15-22~~
Discrepancy: Sample X container
labels abbreviate "Entry Point" to
"EP" on sample ID. Logged per COC.
NC 8-15-22

Received container that is not
mentioned on COC. It has
sample type "Field container".
1 Liter plastic bottle.

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Samples received within hold time?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
NCM Filed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Log Release checked in TALS?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Initials: NC Date: 8-15-22

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Part # 159489-434 M/TW/EXP 1222


ORIGIN ID:RRLA (262) 202-5955
 TY FADNESS
 CITY OF EAU CLAIRE
 1000 FERRY ST.
 EAU CLAIRE, WI 54703
 UNITED STATES US

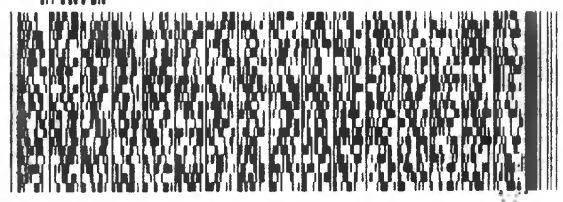
SHIP DATE: 27MAY22
 ACTWGT: 20.00 LB MAN
 CAD: 0269688/CAFE3511

TO **SAMPLE RECEIPT**
EUROFINS
880 RIVERSIDE PARKWAY

WEST SACRAMENTO CA 95605

262) 202-5955 REF:
 NV: DEPT:
 Q:

1A: 



2007326

environment testing
 TestAmerica

Custody Seal

200782

DATE: *[Signature]*
 SIGNATURE

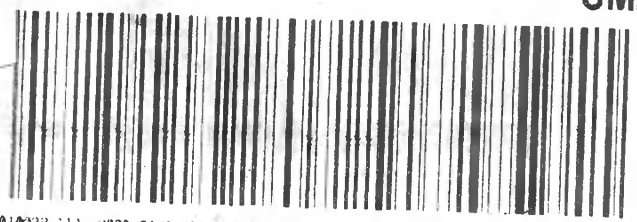
eurolfins

RETURNS MON-SAT
 FRI - 12 AUG AA
 PRIORITY OVERNIGHT

5776 0597 9457

H BLUA

95605
 CA-US
 SMF



4010028 11Aug2022 EAWA 560G2/F39D/C088

Isotope Dilution Summary

Client: City of Eau Claire
Project/Site: PFAS Testing

Job ID: 500-220894-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-220894-1	Entry Point Line 2	76	92	105	95	102	101	100	94
500-220894-2	EP Field Blank	93	100	111	103	103	118	110	101
500-220894-3	Well 6	80	91	110	93	104	102	112	100
500-220894-4	Well 9	86	97	106	101	101	100	106	98
500-220894-5	Well 14	82	98	108	102	102	109	100	98
500-220894-6	Well 22	91	98	110	101	109	104	108	104
LCS 320-613674/2-A	Lab Control Sample	91	98	99	94	105	105	110	100
LCSD 320-613674/3-A	Lab Control Sample Dup	95	99	107	97	111	110	118	105
MB 320-613674/1-A	Method Blank	90	98	101	95	106	105	105	100

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFDaA (25-150)	PFTDA (25-150)	PFHxDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)
500-220894-1	Entry Point Line 2	81	89	85	88	96	88	91	73
500-220894-2	EP Field Blank	96	89	95	100	103	94	81	89
500-220894-3	Well 6	95	86	102	98	101	93	88	83
500-220894-4	Well 9	90	85	102	100	102	90	87	82
500-220894-5	Well 14	91	87	92	101	104	99	90	86
500-220894-6	Well 22	101	93	106	102	106	98	95	86
LCS 320-613674/2-A	Lab Control Sample	101	97	99	103	105	100	90	85
LCSD 320-613674/3-A	Lab Control Sample Dup	108	105	104	103	101	102	95	101
MB 320-613674/1-A	Method Blank	96	92	96	105	109	98	90	94

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	d5NEFOS (25-150)	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)
500-220894-1	Entry Point Line 2	79	80	71	71	71	96	100	92
500-220894-2	EP Field Blank	89	82	82	83	82	108	109	110
500-220894-3	Well 6	90	77	79	82	73	106	102	96
500-220894-4	Well 9	86	78	74	76	73	104	108	100
500-220894-5	Well 14	85	76	77	75	73	100	96	99
500-220894-6	Well 22	91	82	82	88	81	103	95	101
LCS 320-613674/2-A	Lab Control Sample	92	85	89	88	87	107	103	102
LCSD 320-613674/3-A	Lab Control Sample Dup	106	97	92	104	101	105	107	106
MB 320-613674/1-A	Method Blank	104	76	71	86	85	114	107	101

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (25-150)	M102FTS (25-150)
500-220894-1	Entry Point Line 2	99	81
500-220894-2	EP Field Blank	111	97
500-220894-3	Well 6	106	88
500-220894-4	Well 9	109	91
500-220894-5	Well 14	106	92
500-220894-6	Well 22	108	99
LCS 320-613674/2-A	Lab Control Sample	99	89
LCSD 320-613674/3-A	Lab Control Sample Dup	106	118
MB 320-613674/1-A	Method Blank	105	97

Surrogate Legend

PFBA = 13C4 PFBA
PFPeA = 13C5 PFPeA

Isotope Dilution Summary

Job ID: 500-220894-1

Client: City of Eau Claire
Project/Site: PFAS Testing

PFHxA = 13C2 PFHxA
C4PFHA = 13C4 PFHpA
PFOA = 13C4 PFOA
PFNA = 13C5 PFNA
PFDA = 13C2 PFDA
PFUnA = 13C2 PFUnA
PFDoA = 13C2 PFDoA
PFTDA = 13C2 PFTeDA
PFHxDA = 13C2 PFHxDA
C3PFBS = 13C3 PFBS
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFm = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
M102FTS = 13C2 10:2 FTS

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