

ANALYTICAL REPORT

Eurofins Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

Laboratory Job ID: 500-219502-1
Client Project/Site: PFAS Testing

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

Attn: Ty Fadness



Authorized for release by:
7/25/2022 8:26:12 AM

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results through



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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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: 500-219502-1

Job ID: 500-219502-1

Laboratory: Eurofins Chicago

Narrative

Job Narrative 500-219502-1

Comments

No additional comments.

Receipt

The samples were received on 7/14/2022 9:05 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice.

LCMS

Method 537 (modified): The transition mass ratio for the indicated analyte was above the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte.

Entry Point-Line 1 (500-219502-1)

No additional analytical or quality issues were noted, other than those described above or 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 320-603646.

Method: 3535_IDA

Matrix: water

320-603646

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: 500-219502-1

Client Sample ID: Entry Point-Line 1

Lab Sample ID: 500-219502-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.7		4.2	2.0	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.2		1.7	0.41	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.7		1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.7	0.21	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.5	J	1.7	0.71	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.1		1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	3.7		1.7	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	18		1.7	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.6	C	1.7	0.45	ng/L	1		537 (modified)	Total/NA

Client Sample ID: EP-Field Blank

Lab Sample ID: 500-219502-2

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Method Summary

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

Job ID: 500-219502-1

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

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

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Sample Summary

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

Job ID: 500-219502-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-219502-1	Entry Point-Line 1	Water	07/13/22 10:33	07/14/22 09:05
500-219502-2	EP-Field Blank	Water	07/13/22 10:34	07/14/22 09:05

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- 2
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- 16

Client Sample Results

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

Job ID: 500-219502-1

Client Sample ID: Entry Point-Line 1

Lab Sample ID: 500-219502-1

Date Collected: 07/13/22 10:33

Matrix: Water

Date Received: 07/14/22 09:05

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.7		4.2	2.0	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluoropentanoic acid (PFPeA)	3.2		1.7	0.41	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorohexanoic acid (PFHxA)	2.7		1.7	0.49	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluoroheptanoic acid (PFHpA)	1.1	J	1.7	0.21	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorooctanoic acid (PFOA)	1.5	J	1.7	0.71	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorodecanoic acid (PFDA)	<0.26		1.7	0.26	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluoroundecanoic acid (PFUnA)	<0.92		1.7	0.92	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorododecanoic acid (PFDoA)	<0.46		1.7	0.46	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorotetradecanoic acid (PFTeA)	<0.61		1.7	0.61	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.75		1.7	0.75	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.79		1.7	0.79	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorobutanesulfonic acid (PFBS)	3.1		1.7	0.17	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluoropentanesulfonic acid (PFPeS)	3.7		1.7	0.25	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorohexanesulfonic acid (PFHxS)	18		1.7	0.48	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.16		1.7	0.16	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorooctanesulfonic acid (PFOS)	5.6	C	1.7	0.45	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorononanesulfonic acid (PFNS)	<0.31		1.7	0.31	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorodecanesulfonic acid (PFDS)	<0.27		1.7	0.27	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorododecanesulfonic acid (PFDoS)	<0.81		1.7	0.81	ng/L		07/18/22 12:41	07/21/22 23:16	1
Perfluorooctanesulfonamide (FOSA)	<0.82		1.7	0.82	ng/L		07/18/22 12:41	07/21/22 23:16	1
NEtFOSA	<0.73		1.7	0.73	ng/L		07/18/22 12:41	07/21/22 23:16	1
NMeFOSA	<0.36		1.7	0.36	ng/L		07/18/22 12:41	07/21/22 23:16	1
NMeFOSAA	<1.0		4.2	1.0	ng/L		07/18/22 12:41	07/21/22 23:16	1
NEtFOSAA	<1.1		4.2	1.1	ng/L		07/18/22 12:41	07/21/22 23:16	1
NMeFOSE	<1.2		3.3	1.2	ng/L		07/18/22 12:41	07/21/22 23:16	1
NEtFOSE	<0.71		1.7	0.71	ng/L		07/18/22 12:41	07/21/22 23:16	1
4:2 FTS	<0.20		1.7	0.20	ng/L		07/18/22 12:41	07/21/22 23:16	1
6:2 FTS	<2.1		4.2	2.1	ng/L		07/18/22 12:41	07/21/22 23:16	1
8:2 FTS	<0.39		1.7	0.39	ng/L		07/18/22 12:41	07/21/22 23:16	1
10:2 FTS	<0.56		1.7	0.56	ng/L		07/18/22 12:41	07/21/22 23:16	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.7	0.33	ng/L		07/18/22 12:41	07/21/22 23:16	1
HFPO-DA (GenX)	<1.3		3.3	1.3	ng/L		07/18/22 12:41	07/21/22 23:16	1
9Cl-PF3ONS	<0.20		1.7	0.20	ng/L		07/18/22 12:41	07/21/22 23:16	1
11Cl-PF3OUdS	<0.27		1.7	0.27	ng/L		07/18/22 12:41	07/21/22 23:16	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150				07/18/22 12:41	07/21/22 23:16	1
13C5 PFPeA	88		25 - 150				07/18/22 12:41	07/21/22 23:16	1
13C2 PFHxA	106		25 - 150				07/18/22 12:41	07/21/22 23:16	1
13C4 PFHpA	103		25 - 150				07/18/22 12:41	07/21/22 23:16	1
13C4 PFOA	99		25 - 150				07/18/22 12:41	07/21/22 23:16	1

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Client Sample Results

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

Job ID: 500-219502-1

Client Sample ID: Entry Point-Line 1

Lab Sample ID: 500-219502-1

Date Collected: 07/13/22 10:33

Matrix: Water

Date Received: 07/14/22 09:05

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C5 PFNA	100		25 - 150	07/18/22 12:41	07/21/22 23:16	1
13C2 PFDA	94		25 - 150	07/18/22 12:41	07/21/22 23:16	1
13C2 PFUnA	103		25 - 150	07/18/22 12:41	07/21/22 23:16	1
13C2 PFDoA	88		25 - 150	07/18/22 12:41	07/21/22 23:16	1
13C2 PFTeDA	77		25 - 150	07/18/22 12:41	07/21/22 23:16	1
13C2 PFHxDA	89		25 - 150	07/18/22 12:41	07/21/22 23:16	1
13C3 PFBS	97		25 - 150	07/18/22 12:41	07/21/22 23:16	1
18O2 PFHxS	101		25 - 150	07/18/22 12:41	07/21/22 23:16	1
13C4 PFOS	98		25 - 150	07/18/22 12:41	07/21/22 23:16	1
13C8 FOSA	104		10 - 150	07/18/22 12:41	07/21/22 23:16	1
d3-NMeFOSAA	101		25 - 150	07/18/22 12:41	07/21/22 23:16	1
d5-NEtFOSAA	102		25 - 150	07/18/22 12:41	07/21/22 23:16	1
d-N-MeFOSA-M	78		10 - 150	07/18/22 12:41	07/21/22 23:16	1
d-N-EtFOSA-M	71		10 - 150	07/18/22 12:41	07/21/22 23:16	1
d7-N-MeFOSE-M	77		10 - 150	07/18/22 12:41	07/21/22 23:16	1
d9-N-EtFOSE-M	74		10 - 150	07/18/22 12:41	07/21/22 23:16	1
M2-4:2 FTS	89		25 - 150	07/18/22 12:41	07/21/22 23:16	1
M2-6:2 FTS	104		25 - 150	07/18/22 12:41	07/21/22 23:16	1
M2-8:2 FTS	93		25 - 150	07/18/22 12:41	07/21/22 23:16	1
13C3 HFPO-DA	98		25 - 150	07/18/22 12:41	07/21/22 23:16	1
13C2 10:2 FTS	82		25 - 150	07/18/22 12:41	07/21/22 23:16	1

Client Sample Results

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

Job ID: 500-219502-1

Client Sample ID: EP-Field Blank

Lab Sample ID: 500-219502-2

Date Collected: 07/13/22 10:34

Matrix: Water

Date Received: 07/14/22 09:05

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.0		4.1	2.0	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluoropentanoic acid (PFPeA)	<0.40		1.6	0.40	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorohexanoic acid (PFHxA)	<0.48		1.6	0.48	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluoroheptanoic acid (PFHpA)	<0.21		1.6	0.21	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorooctanoic acid (PFOA)	<0.70		1.6	0.70	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorononanoic acid (PFNA)	<0.22		1.6	0.22	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorodecanoic acid (PFDA)	<0.25		1.6	0.25	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluoroundecanoic acid (PFUnA)	<0.90		1.6	0.90	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorododecanoic acid (PFDoA)	<0.45		1.6	0.45	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.6	1.1	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.60		1.6	0.60	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.73		1.6	0.73	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.77		1.6	0.77	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.16		1.6	0.16	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.25		1.6	0.25	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.47		1.6	0.47	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.16		1.6	0.16	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.44		1.6	0.44	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorononanesulfonic acid (PFNS)	<0.30		1.6	0.30	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.26		1.6	0.26	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.80		1.6	0.80	ng/L		07/18/22 12:41	07/21/22 23:27	1
Perfluorooctanesulfonamide (FOSA)	<0.80		1.6	0.80	ng/L		07/18/22 12:41	07/21/22 23:27	1
NEtFOSA	<0.71		1.6	0.71	ng/L		07/18/22 12:41	07/21/22 23:27	1
NMeFOSA	<0.35		1.6	0.35	ng/L		07/18/22 12:41	07/21/22 23:27	1
NMeFOSAA	<0.99		4.1	0.99	ng/L		07/18/22 12:41	07/21/22 23:27	1
NEtFOSAA	<1.1		4.1	1.1	ng/L		07/18/22 12:41	07/21/22 23:27	1
NMeFOSE	<1.1		3.3	1.1	ng/L		07/18/22 12:41	07/21/22 23:27	1
NEtFOSE	<0.70		1.6	0.70	ng/L		07/18/22 12:41	07/21/22 23:27	1
4:2 FTS	<0.20		1.6	0.20	ng/L		07/18/22 12:41	07/21/22 23:27	1
6:2 FTS	<2.1		4.1	2.1	ng/L		07/18/22 12:41	07/21/22 23:27	1
8:2 FTS	<0.38		1.6	0.38	ng/L		07/18/22 12:41	07/21/22 23:27	1
10:2 FTS	<0.55		1.6	0.55	ng/L		07/18/22 12:41	07/21/22 23:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.33		1.6	0.33	ng/L		07/18/22 12:41	07/21/22 23:27	1
HFPO-DA (GenX)	<1.2		3.3	1.2	ng/L		07/18/22 12:41	07/21/22 23:27	1
9Cl-PF3ONS	<0.20		1.6	0.20	ng/L		07/18/22 12:41	07/21/22 23:27	1
11Cl-PF3OUdS	<0.26		1.6	0.26	ng/L		07/18/22 12:41	07/21/22 23:27	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150				07/18/22 12:41	07/21/22 23:27	1
13C5 PFPeA	98		25 - 150				07/18/22 12:41	07/21/22 23:27	1
13C2 PFHxA	98		25 - 150				07/18/22 12:41	07/21/22 23:27	1
13C4 PFHpA	106		25 - 150				07/18/22 12:41	07/21/22 23:27	1
13C4 PFOA	103		25 - 150				07/18/22 12:41	07/21/22 23:27	1
13C5 PFNA	105		25 - 150				07/18/22 12:41	07/21/22 23:27	1
13C2 PFDA	108		25 - 150				07/18/22 12:41	07/21/22 23:27	1
13C2 PFUnA	111		25 - 150				07/18/22 12:41	07/21/22 23:27	1

Eurofins Chicago

Client Sample Results

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

Job ID: 500-219502-1

Client Sample ID: EP-Field Blank

Lab Sample ID: 500-219502-2

Date Collected: 07/13/22 10:34

Matrix: Water

Date Received: 07/14/22 09:05

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	101		25 - 150	07/18/22 12:41	07/21/22 23:27	1
13C2 PFTeDA	91		25 - 150	07/18/22 12:41	07/21/22 23:27	1
13C2 PFHxDA	90		25 - 150	07/18/22 12:41	07/21/22 23:27	1
13C3 PFBS	104		25 - 150	07/18/22 12:41	07/21/22 23:27	1
18O2 PFHxS	110		25 - 150	07/18/22 12:41	07/21/22 23:27	1
13C4 PFOS	101		25 - 150	07/18/22 12:41	07/21/22 23:27	1
13C8 FOSA	104		10 - 150	07/18/22 12:41	07/21/22 23:27	1
d3-NMeFOSAA	123		25 - 150	07/18/22 12:41	07/21/22 23:27	1
d5-NEtFOSAA	131		25 - 150	07/18/22 12:41	07/21/22 23:27	1
d-N-MeFOSA-M	69		10 - 150	07/18/22 12:41	07/21/22 23:27	1
d-N-EtFOSA-M	75		10 - 150	07/18/22 12:41	07/21/22 23:27	1
d7-N-MeFOSE-M	93		10 - 150	07/18/22 12:41	07/21/22 23:27	1
d9-N-EtFOSE-M	89		10 - 150	07/18/22 12:41	07/21/22 23:27	1
M2-4:2 FTS	95		25 - 150	07/18/22 12:41	07/21/22 23:27	1
M2-6:2 FTS	103		25 - 150	07/18/22 12:41	07/21/22 23:27	1
M2-8:2 FTS	104		25 - 150	07/18/22 12:41	07/21/22 23:27	1
13C3 HFPO-DA	99		25 - 150	07/18/22 12:41	07/21/22 23:27	1
13C2 10:2 FTS	100		25 - 150	07/18/22 12:41	07/21/22 23:27	1

Definitions/Glossary

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

Job ID: 500-219502-1

Qualifiers

LCMS

Qualifier	Qualifier Description
C	See Case Narrative
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: 500-219502-1

LCMS

Prep Batch: 603646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-219502-1	Entry Point-Line 1	Total/NA	Water	3535	
500-219502-2	EP-Field Blank	Total/NA	Water	3535	
MB 320-603646/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-603646/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-603646/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 604756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-219502-1	Entry Point-Line 1	Total/NA	Water	537 (modified)	603646
500-219502-2	EP-Field Blank	Total/NA	Water	537 (modified)	603646
MB 320-603646/1-A	Method Blank	Total/NA	Water	537 (modified)	603646
LCS 320-603646/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	603646
LCSD 320-603646/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	603646

QC Sample Results

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

Job ID: 500-219502-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-603646/1-A
Matrix: Water
Analysis Batch: 604756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 603646

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.94		2.0	0.94	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/18/22 12:41	07/21/22 22:36	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/18/22 12:41	07/21/22 22:36	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/18/22 12:41	07/21/22 22:36	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/18/22 12:41	07/21/22 22:36	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/18/22 12:41	07/21/22 22:36	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/18/22 12:41	07/21/22 22:36	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/18/22 12:41	07/21/22 22:36	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/18/22 12:41	07/21/22 22:36	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/18/22 12:41	07/21/22 22:36	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/18/22 12:41	07/21/22 22:36	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/18/22 12:41	07/21/22 22:36	1
10:2 FTS	<0.67		2.0	0.67	ng/L		07/18/22 12:41	07/21/22 22:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/18/22 12:41	07/21/22 22:36	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/18/22 12:41	07/21/22 22:36	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/18/22 12:41	07/21/22 22:36	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/18/22 12:41	07/21/22 22:36	1
Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
13C4 PFBA	99		25 - 150	07/18/22 12:41	07/21/22 22:36	1			
13C5 PFPeA	96		25 - 150	07/18/22 12:41	07/21/22 22:36	1			
13C2 PFHxA	101		25 - 150	07/18/22 12:41	07/21/22 22:36	1			
13C4 PFHpA	104		25 - 150	07/18/22 12:41	07/21/22 22:36	1			
13C4 PFOA	105		25 - 150	07/18/22 12:41	07/21/22 22:36	1			
13C5 PFNA	100		25 - 150	07/18/22 12:41	07/21/22 22:36	1			

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QC Sample Results

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

Job ID: 500-219502-1

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

Lab Sample ID: MB 320-603646/1-A
Matrix: Water
Analysis Batch: 604756

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 603646

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	97		25 - 150	07/18/22 12:41	07/21/22 22:36	1
13C2 PFUnA	103		25 - 150	07/18/22 12:41	07/21/22 22:36	1
13C2 PFDoA	91		25 - 150	07/18/22 12:41	07/21/22 22:36	1
13C2 PFTeDA	79		25 - 150	07/18/22 12:41	07/21/22 22:36	1
13C2 PFHxDA	79		25 - 150	07/18/22 12:41	07/21/22 22:36	1
13C3 PFBS	98		25 - 150	07/18/22 12:41	07/21/22 22:36	1
18O2 PFHxS	104		25 - 150	07/18/22 12:41	07/21/22 22:36	1
13C4 PFOS	99		25 - 150	07/18/22 12:41	07/21/22 22:36	1
13C8 FOSA	93		10 - 150	07/18/22 12:41	07/21/22 22:36	1
d3-NMeFOSAA	111		25 - 150	07/18/22 12:41	07/21/22 22:36	1
d5-NEtFOSAA	107		25 - 150	07/18/22 12:41	07/21/22 22:36	1
d-N-MeFOSA-M	46		10 - 150	07/18/22 12:41	07/21/22 22:36	1
d-N-EtFOSA-M	49		10 - 150	07/18/22 12:41	07/21/22 22:36	1
d7-N-MeFOSE-M	87		10 - 150	07/18/22 12:41	07/21/22 22:36	1
d9-N-EtFOSE-M	80		10 - 150	07/18/22 12:41	07/21/22 22:36	1
M2-4:2 FTS	91		25 - 150	07/18/22 12:41	07/21/22 22:36	1
M2-6:2 FTS	112		25 - 150	07/18/22 12:41	07/21/22 22:36	1
M2-8:2 FTS	96		25 - 150	07/18/22 12:41	07/21/22 22:36	1
13C3 HFPO-DA	98		25 - 150	07/18/22 12:41	07/21/22 22:36	1
13C2 10:2 FTS	91		25 - 150	07/18/22 12:41	07/21/22 22:36	1

Lab Sample ID: LCS 320-603646/2-A
Matrix: Water
Analysis Batch: 604756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 603646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	Limits
Perfluoropentanoic acid (PFPeA)	40.0	39.0		ng/L		97	60 - 135	
Perfluorohexanoic acid (PFHxA)	40.0	36.4		ng/L		91	60 - 135	
Perfluoroheptanoic acid (PFHpA)	40.0	36.1		ng/L		90	60 - 135	
Perfluorooctanoic acid (PFOA)	40.0	39.2		ng/L		98	60 - 135	
Perfluorononanoic acid (PFNA)	40.0	37.7		ng/L		94	60 - 135	
Perfluorodecanoic acid (PFDA)	40.0	35.7		ng/L		89	60 - 135	
Perfluoroundecanoic acid (PFUnA)	40.0	36.2		ng/L		91	60 - 135	
Perfluorododecanoic acid (PFDoA)	40.0	35.8		ng/L		89	60 - 135	
Perfluorotridecanoic acid (PFTTrDA)	40.0	33.3		ng/L		83	60 - 135	
Perfluorotetradecanoic acid (PFTeA)	40.0	36.9		ng/L		92	60 - 135	
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	37.7		ng/L		94	60 - 135	
Perfluoro-n-octadecanoic acid (PFODA)	40.0	32.6		ng/L		81	60 - 135	
Perfluorobutanesulfonic acid (PFBS)	35.5	34.5		ng/L		97	60 - 135	
Perfluoropentanesulfonic acid (PFPeS)	37.5	38.5		ng/L		103	60 - 135	
Perfluorohexanesulfonic acid (PFHxS)	36.5	32.8		ng/L		90	60 - 135	

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QC Sample Results

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

Job ID: 500-219502-1

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

Lab Sample ID: LCS 320-603646/2-A
Matrix: Water
Analysis Batch: 604756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 603646

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	38.2	38.0		ng/L		100	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.2	35.2		ng/L		95	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.5	37.4		ng/L		97	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	35.5		ng/L		92	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.8	31.0		ng/L		80	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	38.7		ng/L		97	60 - 135
NEtFOSA	40.0	35.5		ng/L		89	60 - 135
NMeFOSA	40.0	34.2		ng/L		85	60 - 135
NMeFOSAA	40.0	36.1		ng/L		90	60 - 135
NEtFOSAA	40.0	34.5		ng/L		86	60 - 135
NMeFOSE	40.0	37.8		ng/L		95	60 - 135
NEtFOSE	40.0	36.1		ng/L		90	60 - 135
4:2 FTS	37.5	34.4		ng/L		92	60 - 135
6:2 FTS	38.1	36.2		ng/L		95	60 - 135
8:2 FTS	38.4	38.4		ng/L		100	60 - 135
10:2 FTS	38.6	38.1		ng/L		99	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	36.3		ng/L		96	60 - 135
HFPO-DA (GenX)	40.0	36.9		ng/L		92	60 - 135
9Cl-PF3ONS	37.4	33.6		ng/L		90	60 - 135
11Cl-PF3OUdS	37.8	32.0		ng/L		85	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	97		25 - 150
13C5 PFPeA	98		25 - 150
13C2 PFHxA	99		25 - 150
13C4 PFHpA	100		25 - 150
13C4 PFOA	101		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	101		25 - 150
13C2 PFUnA	108		25 - 150
13C2 PFDoA	93		25 - 150
13C2 PFTeDA	81		25 - 150
13C2 PFHxDA	90		25 - 150
13C3 PFBS	97		25 - 150
18O2 PFHxS	104		25 - 150
13C4 PFOS	104		25 - 150
13C8 FOSA	98		10 - 150
d3-NMeFOSAA	117		25 - 150
d5-NEtFOSAA	117		25 - 150
d-N-MeFOSA-M	70		10 - 150
d-N-EtFOSA-M	71		10 - 150
d7-N-MeFOSE-M	93		10 - 150
d9-N-EtFOSE-M	96		10 - 150

QC Sample Results

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

Job ID: 500-219502-1

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

Lab Sample ID: LCS 320-603646/2-A
Matrix: Water
Analysis Batch: 604756

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 603646

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	99		25 - 150
M2-6:2 FTS	103		25 - 150
M2-8:2 FTS	101		25 - 150
13C3 HFPO-DA	101		25 - 150
13C2 10:2 FTS	88		25 - 150

Lab Sample ID: LCSD 320-603646/3-A
Matrix: Water
Analysis Batch: 604756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 603646

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	42.5		ng/L		106	60 - 135	12	30	
Perfluoropentanoic acid (PFPeA)	40.0	41.9		ng/L		105	60 - 135	7	30	
Perfluorohexanoic acid (PFHxA)	40.0	39.1		ng/L		98	60 - 135	7	30	
Perfluoroheptanoic acid (PFHpA)	40.0	40.6		ng/L		101	60 - 135	12	30	
Perfluorooctanoic acid (PFOA)	40.0	40.1		ng/L		100	60 - 135	2	30	
Perfluorononanoic acid (PFNA)	40.0	40.6		ng/L		102	60 - 135	8	30	
Perfluorodecanoic acid (PFDA)	40.0	41.5		ng/L		104	60 - 135	15	30	
Perfluoroundecanoic acid (PFUnA)	40.0	36.2		ng/L		91	60 - 135	0	30	
Perfluorododecanoic acid (PFDoA)	40.0	39.5		ng/L		99	60 - 135	10	30	
Perfluorotridecanoic acid (PFTrDA)	40.0	34.8		ng/L		87	60 - 135	4	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	36.5		ng/L		91	60 - 135	1	30	
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	39.7		ng/L		99	60 - 135	5	30	
Perfluoro-n-octadecanoic acid (PFODA)	40.0	35.0		ng/L		87	60 - 135	7	30	
Perfluorobutanesulfonic acid (PFBS)	35.5	36.6		ng/L		103	60 - 135	6	30	
Perfluoropentanesulfonic acid (PFPeS)	37.5	37.7		ng/L		100	60 - 135	2	30	
Perfluorohexanesulfonic acid (PFHxS)	36.5	36.7		ng/L		101	60 - 135	11	30	
Perfluoroheptanesulfonic acid (PFHpS)	38.2	41.7		ng/L		109	60 - 135	9	30	
Perfluorooctanesulfonic acid (PFOS)	37.2	37.6		ng/L		101	60 - 135	7	30	
Perfluorononanesulfonic acid (PFNS)	38.5	42.0		ng/L		109	60 - 135	11	30	
Perfluorodecanesulfonic acid (PFDS)	38.6	37.8		ng/L		98	60 - 135	6	30	
Perfluorododecanesulfonic acid (PFDoS)	38.8	37.9		ng/L		98	60 - 135	20	30	
Perfluorooctanesulfonamide (FOSA)	40.0	39.6		ng/L		99	60 - 135	2	30	
NEtFOSA	40.0	33.0		ng/L		82	60 - 135	7	30	
NMeFOSA	40.0	28.1		ng/L		70	60 - 135	19	30	
NMeFOSAA	40.0	39.7		ng/L		99	60 - 135	9	30	
NEtFOSAA	40.0	40.1		ng/L		100	60 - 135	15	30	
NMeFOSE	40.0	37.6		ng/L		94	60 - 135	0	30	

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QC Sample Results

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

Job ID: 500-219502-1

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

Lab Sample ID: LCSD 320-603646/3-A
Matrix: Water
Analysis Batch: 604756

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 603646

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NETFOSE	40.0	37.9		ng/L		95	60 - 135	5	30
4:2 FTS	37.5	40.9		ng/L		109	60 - 135	17	30
6:2 FTS	38.1	38.9		ng/L		102	60 - 135	7	30
8:2 FTS	38.4	41.1		ng/L		107	60 - 135	7	30
10:2 FTS	38.6	40.5		ng/L		105	60 - 135	6	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.8	39.2		ng/L		104	60 - 135	8	30
HFPO-DA (GenX)	40.0	38.4		ng/L		96	60 - 135	4	30
9CI-PF3ONS	37.4	38.6		ng/L		103	60 - 135	14	30
11CI-PF3OUdS	37.8	35.9		ng/L		95	60 - 135	11	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	92		25 - 150
13C5 PFPeA	94		25 - 150
13C2 PFHxA	93		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	100		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	101		25 - 150
13C2 PFUnA	107		25 - 150
13C2 PFDoA	103		25 - 150
13C2 PFTeDA	95		25 - 150
13C2 PFHxDA	101		25 - 150
13C3 PFBS	97		25 - 150
18O2 PFHxS	102		25 - 150
13C4 PFOS	101		25 - 150
13C8 FOSA	98		10 - 150
d3-NMeFOSAA	115		25 - 150
d5-NEtFOSAA	121		25 - 150
d-N-MeFOSA-M	68		10 - 150
d-N-EtFOSA-M	67		10 - 150
d7-N-MeFOSE-M	90		10 - 150
d9-N-EtFOSE-M	93		10 - 150
M2-4:2 FTS	93		25 - 150
M2-6:2 FTS	100		25 - 150
M2-8:2 FTS	91		25 - 150
13C3 HFPO-DA	102		25 - 150
13C2 10:2 FTS	98		25 - 150

Lab Chronicle

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

Job ID: 500-219502-1

Client Sample ID: Entry Point-Line 1

Lab Sample ID: 500-219502-1

Date Collected: 07/13/22 10:33

Matrix: Water

Date Received: 07/14/22 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			603646	07/18/22 12:41	MRP	TAL SAC
Total/NA	Analysis	537 (modified)		1	604756	07/21/22 23:16	D1R	TAL SAC

Client Sample ID: EP-Field Blank

Lab Sample ID: 500-219502-2

Date Collected: 07/13/22 10:34

Matrix: Water

Date Received: 07/14/22 09:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			603646	07/18/22 12:41	MRP	TAL SAC
Total/NA	Analysis	537 (modified)		1	604756	07/21/22 23:27	D1R	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-219502-1

Laboratory: Eurofins Sacramento


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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-22

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Chain of Custody Record



Client Information		Sampler: Tyler Faddess		Lab Pk#	Frederick, Sandle	Carrier Tracking No(s):	CCC No:																																																		
Client Contact: Ty Faddess		Phone: 715-839-6121		E-Mail: Sandra.Fredrick@eurofins.com	State of Origin:		500-100727-43338.1																																																		
Company: City of Eau Claire		PWSID:		Analysis Requested																																																					
Address: 1000 Ferry Street		Due Date Requested: 7-15-22		<table border="1"> <thead> <tr> <th>Field Filtered Sample (Yes or No)</th> <th>Performance/MSD (Yes or No)</th> <th>PFAS, IDA, VI - PFAS, Extended List (36 Analytes)</th> <th>Total Number of Containers</th> </tr> </thead> <tbody> <tr> <td>X</td> <td>N</td> <td>X</td> <td></td> </tr> <tr> <td>X</td> <td>X</td> <td>X</td> <td></td> </tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> <tr><td></td><td></td><td></td><td></td></tr> </tbody> </table>				Field Filtered Sample (Yes or No)	Performance/MSD (Yes or No)	PFAS, IDA, VI - PFAS, Extended List (36 Analytes)	Total Number of Containers	X	N	X		X	X	X																																							
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State, Zip: WI, 54703		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		 <p>500-219502 Chain of Custody</p>																																																					
Phone:		PO #						<p>Special Instructions/Note:</p>																																																	
Email: Tyler.Faddess@EauClaireWI.Gov		WO #																																																							
Project Name: PFAS Testing		Project #																																																							
Site:		SSOV#																																																							



Login Sample Receipt Checklist

Client: City of Eau Claire

Job Number: 500-219502-1

Login Number: 219502

List Number: 1

Creator: Cahill, Nicholas P

List Source: Eurofins Sacramento

List Creation: 07/15/22 09:07 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1955481
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.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	3.3c
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.	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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Isotope Dilution Summary

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

Job ID: 500-219502-1

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)
500-219502-1	Entry Point-Line 1	83	88	106	103	99	100	94	103
500-219502-2	EP-Field Blank	103	98	98	106	103	105	108	111
LCS 320-603646/2-A	Lab Control Sample	97	98	99	100	101	102	101	108
LCSD 320-603646/3-A	Lab Control Sample Dup	92	94	93	102	100	102	101	107
MB 320-603646/1-A	Method Blank	99	96	101	104	105	100	97	103

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)
500-219502-1	Entry Point-Line 1	88	77	89	97	101	98	104	101
500-219502-2	EP-Field Blank	101	91	90	104	110	101	104	123
LCS 320-603646/2-A	Lab Control Sample	93	81	90	97	104	104	98	117
LCSD 320-603646/3-A	Lab Control Sample Dup	103	95	101	97	102	101	98	115
MB 320-603646/1-A	Method Blank	91	79	79	98	104	99	93	111

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)
500-219502-1	Entry Point-Line 1	102	78	71	77	74	89	104	93
500-219502-2	EP-Field Blank	131	69	75	93	89	95	103	104
LCS 320-603646/2-A	Lab Control Sample	117	70	71	93	96	99	103	101
LCSD 320-603646/3-A	Lab Control Sample Dup	121	68	67	90	93	93	100	91
MB 320-603646/1-A	Method Blank	107	46	49	87	80	91	112	96

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (25-150)	M102FTS (25-150)
500-219502-1	Entry Point-Line 1	98	82
500-219502-2	EP-Field Blank	99	100
LCS 320-603646/2-A	Lab Control Sample	101	88
LCSD 320-603646/3-A	Lab Control Sample Dup	102	98
MB 320-603646/1-A	Method Blank	98	91

Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- PFHxA = 13C2 PFHxA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFNA = 13C5 PFNA
- PFDA = 13C2 PFDA
- PFUnA = 13C2 PFUnA
- PFDaA = 13C2 PFDaA
- 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

Isotope Dilution Summary

Job ID: 500-219502-1

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

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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