

## ANALYTICAL REPORT

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

Laboratory Job ID: 500-211762-1  
Client Project/Site: PFAS Testing

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

Attn: Ty Fadness



Authorized for release by:  
2/8/2022 12:31:16 PM

Sandie Fredrick, Project Manager II  
(920)261-1660  
[sandra.fredrick@eurofinset.com](mailto:sandra.fredrick@eurofinset.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



Visit us at:

[www.eurofinsus.com/Env](http://www.eurofinsus.com/Env)

*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.*



# Table of Contents

Cover Page . . . . .	1
Table of Contents . . . . .	2
Case Narrative . . . . .	3
Detection Summary . . . . .	4
Method Summary . . . . .	5
Sample Summary . . . . .	6
Client Sample Results . . . . .	7
Definitions . . . . .	11
QC Association . . . . .	12
QC Sample Results . . . . .	13
Chronicle . . . . .	18
Certification Summary . . . . .	19
Chain of Custody . . . . .	20
Receipt Checklists . . . . .	22
Field Data Sheets . . . . .	24
Isotope Dilution Summary . . . . .	25

# Case Narrative

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

Job ID: 500-211762-1

---

**Job ID: 500-211762-1**

---

**Laboratory: Eurofins Chicago**

---

**Narrative**

**Job Narrative  
500-211762-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 2/5/2022 11:00 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 1.0° C.

**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 320-563904. Method code: 3535\_PFC Matrix: Aqueous

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: 500-211762-1

## Client Sample ID: Entry Point - Line 1

Lab Sample ID: 500-211762-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.3	J	4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.3	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.7	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.88	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.3	J	1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.0		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	2.1		1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	12		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.25	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.9	0.51	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: EP - Field Blank

Lab Sample ID: 500-211762-2

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: 500-211762-1

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

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

# Sample Summary

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

Job ID: 500-211762-1

---

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-211762-1	Entry Point - Line 1	Water	02/02/22 12:26	02/05/22 11:00
500-211762-2	EP - Field Blank	Water	02/02/22 12:30	02/05/22 11:00

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

# Client Sample Results

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

Job ID: 500-211762-1

**Client Sample ID: Entry Point - Line 1**

**Lab Sample ID: 500-211762-1**

Date Collected: 02/02/22 12:26

Matrix: Water

Date Received: 02/05/22 11:00

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.3	J	4.7	2.3	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluoropentanoic acid (PFPeA)	1.3	J	1.9	0.46	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorohexanoic acid (PFHxA)	1.7	J	1.9	0.54	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluoroheptanoic acid (PFHpA)	0.88	J	1.9	0.23	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorooctanoic acid (PFOA)	1.3	J	1.9	0.80	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.84		1.9	0.84	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.88		1.9	0.88	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorobutanesulfonic acid (PFBS)	3.0		1.9	0.19	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluoropentanesulfonic acid (PFPeS)	2.1		1.9	0.28	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorohexanesulfonic acid (PFHxS)	12		1.9	0.53	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.25	J	1.9	0.18	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorooctanesulfonic acid (PFOS)	3.0		1.9	0.51	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		02/07/22 13:09	02/08/22 07:56	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		02/07/22 13:09	02/08/22 07:56	1
NEtFOSA	<0.82		1.9	0.82	ng/L		02/07/22 13:09	02/08/22 07:56	1
NMeFOSA	<0.40		1.9	0.40	ng/L		02/07/22 13:09	02/08/22 07:56	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		02/07/22 13:09	02/08/22 07:56	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		02/07/22 13:09	02/08/22 07:56	1
NMeFOSE	<1.3		3.8	1.3	ng/L		02/07/22 13:09	02/08/22 07:56	1
NEtFOSE	<0.80		1.9	0.80	ng/L		02/07/22 13:09	02/08/22 07:56	1
4:2 FTS	<0.23		1.9	0.23	ng/L		02/07/22 13:09	02/08/22 07:56	1
6:2 FTS	<2.3		4.7	2.3	ng/L		02/07/22 13:09	02/08/22 07:56	1
8:2 FTS	<0.43		1.9	0.43	ng/L		02/07/22 13:09	02/08/22 07:56	1
10:2 FTS	<0.63		1.9	0.63	ng/L		02/07/22 13:09	02/08/22 07:56	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		02/07/22 13:09	02/08/22 07:56	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		02/07/22 13:09	02/08/22 07:56	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		02/07/22 13:09	02/08/22 07:56	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		02/07/22 13:09	02/08/22 07:56	1
<b>Isotope Dilution</b>	<b>%Recovery</b>	<b>Qualifier</b>	<b>Limits</b>				<b>Prepared</b>	<b>Analyzed</b>	<b>Dil Fac</b>
13C4 PFBA	76		25 - 150				02/07/22 13:09	02/08/22 07:56	1
13C5 PFPeA	89		25 - 150				02/07/22 13:09	02/08/22 07:56	1
13C2 PFHxA	75		25 - 150				02/07/22 13:09	02/08/22 07:56	1
13C4 PFHpA	80		25 - 150				02/07/22 13:09	02/08/22 07:56	1
13C4 PFOA	95		25 - 150				02/07/22 13:09	02/08/22 07:56	1

Eurofins Chicago

# Client Sample Results

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

Job ID: 500-211762-1

**Client Sample ID: Entry Point - Line 1**

**Lab Sample ID: 500-211762-1**

**Date Collected: 02/02/22 12:26**

**Matrix: Water**

**Date Received: 02/05/22 11:00**

**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	83		25 - 150	02/07/22 13:09	02/08/22 07:56	1
13C2 PFDA	79		25 - 150	02/07/22 13:09	02/08/22 07:56	1
13C2 PFUnA	74		25 - 150	02/07/22 13:09	02/08/22 07:56	1
13C2 PFDoA	79		25 - 150	02/07/22 13:09	02/08/22 07:56	1
13C2 PFTeDA	77		25 - 150	02/07/22 13:09	02/08/22 07:56	1
13C2 PFHxDA	77		25 - 150	02/07/22 13:09	02/08/22 07:56	1
13C3 PFBS	87		25 - 150	02/07/22 13:09	02/08/22 07:56	1
18O2 PFHxS	89		25 - 150	02/07/22 13:09	02/08/22 07:56	1
13C4 PFOS	84		25 - 150	02/07/22 13:09	02/08/22 07:56	1
13C8 FOSA	88		10 - 150	02/07/22 13:09	02/08/22 07:56	1
d3-NMeFOSAA	81		25 - 150	02/07/22 13:09	02/08/22 07:56	1
d5-NEtFOSAA	86		25 - 150	02/07/22 13:09	02/08/22 07:56	1
d-N-MeFOSA-M	76		10 - 150	02/07/22 13:09	02/08/22 07:56	1
d-N-EtFOSA-M	77		10 - 150	02/07/22 13:09	02/08/22 07:56	1
d7-N-MeFOSE-M	69		10 - 150	02/07/22 13:09	02/08/22 07:56	1
d9-N-EtFOSE-M	77		10 - 150	02/07/22 13:09	02/08/22 07:56	1
M2-4:2 FTS	58		25 - 150	02/07/22 13:09	02/08/22 07:56	1
M2-6:2 FTS	63		25 - 150	02/07/22 13:09	02/08/22 07:56	1
M2-8:2 FTS	52		25 - 150	02/07/22 13:09	02/08/22 07:56	1
13C3 HFPO-DA	78		25 - 150	02/07/22 13:09	02/08/22 07:56	1
13C2 10:2 FTS	47		25 - 150	02/07/22 13:09	02/08/22 07:56	1



# Client Sample Results

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

Job ID: 500-211762-1

**Client Sample ID: EP - Field Blank**

**Lab Sample ID: 500-211762-2**

Date Collected: 02/02/22 12:30

Matrix: Water

Date Received: 02/05/22 11:00

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.84		1.9	0.84	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.89		1.9	0.89	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		02/07/22 13:09	02/08/22 08:06	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		02/07/22 13:09	02/08/22 08:06	1
NEtFOSA	<0.82		1.9	0.82	ng/L		02/07/22 13:09	02/08/22 08:06	1
NMeFOSA	<0.41		1.9	0.41	ng/L		02/07/22 13:09	02/08/22 08:06	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		02/07/22 13:09	02/08/22 08:06	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		02/07/22 13:09	02/08/22 08:06	1
NMeFOSE	<1.3		3.8	1.3	ng/L		02/07/22 13:09	02/08/22 08:06	1
NEtFOSE	<0.80		1.9	0.80	ng/L		02/07/22 13:09	02/08/22 08:06	1
4:2 FTS	<0.23		1.9	0.23	ng/L		02/07/22 13:09	02/08/22 08:06	1
6:2 FTS	<2.4		4.7	2.4	ng/L		02/07/22 13:09	02/08/22 08:06	1
8:2 FTS	<0.43		1.9	0.43	ng/L		02/07/22 13:09	02/08/22 08:06	1
10:2 FTS	<0.63		1.9	0.63	ng/L		02/07/22 13:09	02/08/22 08:06	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		02/07/22 13:09	02/08/22 08:06	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		02/07/22 13:09	02/08/22 08:06	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		02/07/22 13:09	02/08/22 08:06	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		02/07/22 13:09	02/08/22 08:06	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150				02/07/22 13:09	02/08/22 08:06	1
13C5 PFPeA	104		25 - 150				02/07/22 13:09	02/08/22 08:06	1
13C2 PFHxA	107		25 - 150				02/07/22 13:09	02/08/22 08:06	1
13C4 PFHpA	95		25 - 150				02/07/22 13:09	02/08/22 08:06	1
13C4 PFOA	104		25 - 150				02/07/22 13:09	02/08/22 08:06	1
13C5 PFNA	105		25 - 150				02/07/22 13:09	02/08/22 08:06	1
13C2 PFDA	91		25 - 150				02/07/22 13:09	02/08/22 08:06	1
13C2 PFUnA	97		25 - 150				02/07/22 13:09	02/08/22 08:06	1

Eurofins Chicago

# Client Sample Results

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

Job ID: 500-211762-1

**Client Sample ID: EP - Field Blank**

**Lab Sample ID: 500-211762-2**

**Date Collected: 02/02/22 12:30**

**Matrix: Water**

**Date Received: 02/05/22 11:00**

**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	97		25 - 150	02/07/22 13:09	02/08/22 08:06	1
13C2 PFTeDA	94		25 - 150	02/07/22 13:09	02/08/22 08:06	1
13C2 PFHxDA	84		25 - 150	02/07/22 13:09	02/08/22 08:06	1
13C3 PFBS	96		25 - 150	02/07/22 13:09	02/08/22 08:06	1
18O2 PFHxS	97		25 - 150	02/07/22 13:09	02/08/22 08:06	1
13C4 PFOS	100		25 - 150	02/07/22 13:09	02/08/22 08:06	1
13C8 FOSA	94		10 - 150	02/07/22 13:09	02/08/22 08:06	1
d3-NMeFOSAA	101		25 - 150	02/07/22 13:09	02/08/22 08:06	1
d5-NEtFOSAA	109		25 - 150	02/07/22 13:09	02/08/22 08:06	1
d-N-MeFOSA-M	79		10 - 150	02/07/22 13:09	02/08/22 08:06	1
d-N-EtFOSA-M	86		10 - 150	02/07/22 13:09	02/08/22 08:06	1
d7-N-MeFOSE-M	87		10 - 150	02/07/22 13:09	02/08/22 08:06	1
d9-N-EtFOSE-M	98		10 - 150	02/07/22 13:09	02/08/22 08:06	1
M2-4:2 FTS	66		25 - 150	02/07/22 13:09	02/08/22 08:06	1
M2-6:2 FTS	66		25 - 150	02/07/22 13:09	02/08/22 08:06	1
M2-8:2 FTS	58		25 - 150	02/07/22 13:09	02/08/22 08:06	1
13C3 HFPO-DA	100		25 - 150	02/07/22 13:09	02/08/22 08:06	1
13C2 10:2 FTS	62		25 - 150	02/07/22 13:09	02/08/22 08:06	1

# Definitions/Glossary

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

Job ID: 500-211762-1

## 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: 500-211762-1

## LCMS

### Prep Batch: 563904

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211762-1	Entry Point - Line 1	Total/NA	Water	3535	
500-211762-2	EP - Field Blank	Total/NA	Water	3535	
MB 320-563904/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-563904/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-563904/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Analysis Batch: 564064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-211762-1	Entry Point - Line 1	Total/NA	Water	537 (modified)	563904
500-211762-2	EP - Field Blank	Total/NA	Water	537 (modified)	563904
MB 320-563904/1-A	Method Blank	Total/NA	Water	537 (modified)	563904
LCS 320-563904/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	563904
LCSD 320-563904/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	563904

# QC Sample Results

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

Job ID: 500-211762-1

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

**Lab Sample ID: MB 320-563904/1-A**  
**Matrix: Water**  
**Analysis Batch: 564064**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 563904**

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.94		2.0	0.94	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		02/07/22 13:09	02/08/22 07:24	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		02/07/22 13:09	02/08/22 07:24	1
NEtFOSA	<0.87		2.0	0.87	ng/L		02/07/22 13:09	02/08/22 07:24	1
NMeFOSA	<0.43		2.0	0.43	ng/L		02/07/22 13:09	02/08/22 07:24	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		02/07/22 13:09	02/08/22 07:24	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		02/07/22 13:09	02/08/22 07:24	1
NMeFOSE	<1.4		4.0	1.4	ng/L		02/07/22 13:09	02/08/22 07:24	1
NEtFOSE	<0.85		2.0	0.85	ng/L		02/07/22 13:09	02/08/22 07:24	1
4:2 FTS	<0.24		2.0	0.24	ng/L		02/07/22 13:09	02/08/22 07:24	1
6:2 FTS	<2.5		5.0	2.5	ng/L		02/07/22 13:09	02/08/22 07:24	1
8:2 FTS	<0.46		2.0	0.46	ng/L		02/07/22 13:09	02/08/22 07:24	1
10:2 FTS	<0.67		2.0	0.67	ng/L		02/07/22 13:09	02/08/22 07:24	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		02/07/22 13:09	02/08/22 07:24	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		02/07/22 13:09	02/08/22 07:24	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		02/07/22 13:09	02/08/22 07:24	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		02/07/22 13:09	02/08/22 07:24	1
Isotope Dilution	MB	MB	Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
13C4 PFBA	81		25 - 150				02/07/22 13:09	02/08/22 07:24	1
13C5 PFPeA	84		25 - 150				02/07/22 13:09	02/08/22 07:24	1
13C2 PFHxA	82		25 - 150				02/07/22 13:09	02/08/22 07:24	1
13C4 PFHpA	77		25 - 150				02/07/22 13:09	02/08/22 07:24	1
13C4 PFOA	80		25 - 150				02/07/22 13:09	02/08/22 07:24	1
13C5 PFNA	80		25 - 150				02/07/22 13:09	02/08/22 07:24	1

Eurofins Chicago

# QC Sample Results

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

Job ID: 500-211762-1

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

**Lab Sample ID: MB 320-563904/1-A**  
**Matrix: Water**  
**Analysis Batch: 564064**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 563904**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	73		25 - 150	02/07/22 13:09	02/08/22 07:24	1
13C2 PFUnA	75		25 - 150	02/07/22 13:09	02/08/22 07:24	1
13C2 PFDoA	80		25 - 150	02/07/22 13:09	02/08/22 07:24	1
13C2 PFTeDA	80		25 - 150	02/07/22 13:09	02/08/22 07:24	1
13C2 PFHxDA	76		25 - 150	02/07/22 13:09	02/08/22 07:24	1
13C3 PFBS	80		25 - 150	02/07/22 13:09	02/08/22 07:24	1
18O2 PFHxS	74		25 - 150	02/07/22 13:09	02/08/22 07:24	1
13C4 PFOS	77		25 - 150	02/07/22 13:09	02/08/22 07:24	1
13C8 FOSA	76		10 - 150	02/07/22 13:09	02/08/22 07:24	1
d3-NMeFOSAA	85		25 - 150	02/07/22 13:09	02/08/22 07:24	1
d5-NEtFOSAA	91		25 - 150	02/07/22 13:09	02/08/22 07:24	1
d-N-MeFOSA-M	65		10 - 150	02/07/22 13:09	02/08/22 07:24	1
d-N-EtFOSA-M	72		10 - 150	02/07/22 13:09	02/08/22 07:24	1
d7-N-MeFOSE-M	76		10 - 150	02/07/22 13:09	02/08/22 07:24	1
d9-N-EtFOSE-M	81		10 - 150	02/07/22 13:09	02/08/22 07:24	1
M2-4:2 FTS	43		25 - 150	02/07/22 13:09	02/08/22 07:24	1
M2-6:2 FTS	50		25 - 150	02/07/22 13:09	02/08/22 07:24	1
M2-8:2 FTS	50		25 - 150	02/07/22 13:09	02/08/22 07:24	1
13C3 HFPO-DA	83		25 - 150	02/07/22 13:09	02/08/22 07:24	1
13C2 10:2 FTS	58		25 - 150	02/07/22 13:09	02/08/22 07:24	1

**Lab Sample ID: LCS 320-563904/2-A**  
**Matrix: Water**  
**Analysis Batch: 564064**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 563904**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	40.0	37.6		ng/L		94	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	36.4		ng/L		91	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.0		ng/L		90	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	36.7		ng/L		92	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	35.7		ng/L		89	60 - 135
Perfluorononanoic acid (PFNA)	40.0	36.4		ng/L		91	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	34.9		ng/L		87	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	32.6		ng/L		81	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	36.7		ng/L		92	60 - 135
Perfluorotridecanoic acid (PFTTrDA)	40.0	38.0		ng/L		95	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	33.7		ng/L		84	60 - 135
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	36.8		ng/L		92	60 - 135
Perfluoro-n-octadecanoic acid (PFODA)	40.0	26.4		ng/L		66	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	33.8		ng/L		96	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	32.2		ng/L		86	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	32.2		ng/L		88	60 - 135

Eurofins Chicago

# QC Sample Results

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

Job ID: 500-211762-1

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

**Lab Sample ID: LCS 320-563904/2-A**  
**Matrix: Water**  
**Analysis Batch: 564064**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 563904**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	35.9		ng/L		94	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	31.8		ng/L		86	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	37.1		ng/L		96	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	32.0		ng/L		83	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	34.4		ng/L		89	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	39.3		ng/L		98	60 - 135
NEtFOSA	40.0	34.2		ng/L		86	60 - 135
NMeFOSA	40.0	35.2		ng/L		88	60 - 135
NMeFOSAA	40.0	33.6		ng/L		84	60 - 135
NEtFOSAA	40.0	35.4		ng/L		89	60 - 135
NMeFOSE	40.0	38.2		ng/L		96	60 - 135
NEtFOSE	40.0	31.5		ng/L		79	60 - 135
4:2 FTS	37.4	43.4		ng/L		116	60 - 135
6:2 FTS	37.9	36.5		ng/L		96	60 - 135
8:2 FTS	38.3	38.0		ng/L		99	60 - 135
10:2 FTS	38.6	36.5		ng/L		95	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	37.3		ng/L		99	60 - 135
HFPO-DA (GenX)	40.0	34.1		ng/L		85	60 - 135
9CI-PF3ONS	37.3	32.8		ng/L		88	60 - 135
11CI-PF3OUdS	37.7	40.4		ng/L		107	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	89		25 - 150
13C5 PFPeA	93		25 - 150
13C2 PFHxA	86		25 - 150
13C4 PFHpA	85		25 - 150
13C4 PFOA	86		25 - 150
13C5 PFNA	86		25 - 150
13C2 PFDA	89		25 - 150
13C2 PFUnA	92		25 - 150
13C2 PFDoA	92		25 - 150
13C2 PFTeDA	91		25 - 150
13C2 PFHxDA	83		25 - 150
13C3 PFBS	87		25 - 150
18O2 PFHxS	84		25 - 150
13C4 PFOS	86		25 - 150
13C8 FOSA	89		10 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	103		25 - 150
d-N-MeFOSA-M	72		10 - 150
d-N-EtFOSA-M	75		10 - 150
d7-N-MeFOSE-M	86		10 - 150
d9-N-EtFOSE-M	98		10 - 150

# QC Sample Results

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

Job ID: 500-211762-1

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

**Lab Sample ID: LCS 320-563904/2-A**  
**Matrix: Water**  
**Analysis Batch: 564064**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 563904**

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	50		25 - 150
M2-6:2 FTS	51		25 - 150
M2-8:2 FTS	51		25 - 150
13C3 HFPO-DA	85		25 - 150
13C2 10:2 FTS	58		25 - 150

**Lab Sample ID: LCSD 320-563904/3-A**  
**Matrix: Water**  
**Analysis Batch: 564064**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 563904**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	38.7		ng/L		97	60 - 135	3	30
Perfluoropentanoic acid (PFPeA)	40.0	34.0		ng/L		85	60 - 135	7	30
Perfluorohexanoic acid (PFHxA)	40.0	37.0		ng/L		92	60 - 135	3	30
Perfluoroheptanoic acid (PFHpA)	40.0	37.6		ng/L		94	60 - 135	3	30
Perfluorooctanoic acid (PFOA)	40.0	35.7		ng/L		89	60 - 135	0	30
Perfluorononanoic acid (PFNA)	40.0	38.6		ng/L		96	60 - 135	6	30
Perfluorodecanoic acid (PFDA)	40.0	34.6		ng/L		86	60 - 135	1	30
Perfluoroundecanoic acid (PFUnA)	40.0	36.0		ng/L		90	60 - 135	10	30
Perfluorododecanoic acid (PFDoA)	40.0	38.5		ng/L		96	60 - 135	5	30
Perfluorotridecanoic acid (PFTrDA)	40.0	39.3		ng/L		98	60 - 135	3	30
Perfluorotetradecanoic acid (PFTeA)	40.0	34.4		ng/L		86	60 - 135	2	30
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	40.1		ng/L		100	60 - 135	9	30
Perfluoro-n-octadecanoic acid (PFODA)	40.0	28.5		ng/L		71	60 - 135	8	30
Perfluorobutanesulfonic acid (PFBS)	35.4	32.7		ng/L		92	60 - 135	3	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	31.3		ng/L		83	60 - 135	3	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	32.2		ng/L		88	60 - 135	0	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	34.9		ng/L		92	60 - 135	3	30
Perfluorooctanesulfonic acid (PFOS)	37.1	32.5		ng/L		88	60 - 135	2	30
Perfluorononanesulfonic acid (PFNS)	38.4	35.5		ng/L		93	60 - 135	4	30
Perfluorodecanesulfonic acid (PFDS)	38.6	32.8		ng/L		85	60 - 135	3	30
Perfluorododecanesulfonic acid (PFDoS)	38.7	33.4		ng/L		86	60 - 135	3	30
Perfluorooctanesulfonamide (FOSA)	40.0	39.1		ng/L		98	60 - 135	1	30
NEtFOSA	40.0	36.6		ng/L		92	60 - 135	7	30
NMeFOSA	40.0	38.5		ng/L		96	60 - 135	9	30
NMeFOSAA	40.0	36.6		ng/L		91	60 - 135	8	30
NEtFOSAA	40.0	37.4		ng/L		94	60 - 135	6	30
NMeFOSE	40.0	38.5		ng/L		96	60 - 135	1	30

Eurofins Chicago



# QC Sample Results

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

Job ID: 500-211762-1

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

**Lab Sample ID: LCSD 320-563904/3-A**  
**Matrix: Water**  
**Analysis Batch: 564064**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 563904**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
NEtFOSE	40.0	35.0		ng/L		87	60 - 135	10	30
4:2 FTS	37.4	42.1		ng/L		113	60 - 135	3	30
6:2 FTS	37.9	36.4		ng/L		96	60 - 135	0	30
8:2 FTS	38.3	38.6		ng/L		101	60 - 135	2	30
10:2 FTS	38.6	36.5		ng/L		95	60 - 135	0	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	38.5		ng/L		102	60 - 135	3	30
HFPO-DA (GenX)	40.0	37.0		ng/L		92	60 - 135	8	30
9CI-PF3ONS	37.3	34.9		ng/L		94	60 - 135	6	30
11CI-PF3OUdS	37.7	40.4		ng/L		107	60 - 135	0	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	98		25 - 150
13C5 PFPeA	111		25 - 150
13C2 PFHxA	95		25 - 150
13C4 PFHpA	98		25 - 150
13C4 PFOA	97		25 - 150
13C5 PFNA	96		25 - 150
13C2 PFDA	99		25 - 150
13C2 PFUnA	93		25 - 150
13C2 PFDoA	97		25 - 150
13C2 PFTeDA	98		25 - 150
13C2 PFHxDA	92		25 - 150
13C3 PFBS	94		25 - 150
18O2 PFHxS	96		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	97		10 - 150
d3-NMeFOSAA	100		25 - 150
d5-NEtFOSAA	103		25 - 150
d-N-MeFOSA-M	83		10 - 150
d-N-EtFOSA-M	84		10 - 150
d7-N-MeFOSE-M	85		10 - 150
d9-N-EtFOSE-M	100		10 - 150
M2-4:2 FTS	54		25 - 150
M2-6:2 FTS	62		25 - 150
M2-8:2 FTS	54		25 - 150
13C3 HFPO-DA	91		25 - 150
13C2 10:2 FTS	62		25 - 150

# Lab Chronicle

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

Job ID: 500-211762-1

## Client Sample ID: Entry Point - Line 1

Lab Sample ID: 500-211762-1

Date Collected: 02/02/22 12:26

Matrix: Water

Date Received: 02/05/22 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			563904	02/07/22 13:09	DVC	TAL SAC
Total/NA	Analysis	537 (modified)		1	564064	02/08/22 07:56	GWO	TAL SAC

## Client Sample ID: EP - Field Blank

Lab Sample ID: 500-211762-2

Date Collected: 02/02/22 12:30

Matrix: Water

Date Received: 02/05/22 11:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			563904	02/07/22 13:09	DVC	TAL SAC
Total/NA	Analysis	537 (modified)		1	564064	02/08/22 08:06	GWO	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: 500-211762-1

## 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

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



500-211762 COC

500-211762  
eurofins

Eurofins Sacramento


830 Riverside Parkway  
West Sacramento, CA 95691  
Phone: 916-373-5520 Fax: 916-373-1100

Chain of Custody Record

<b>Client Information</b>		Client Name: <u>Bill Judd</u>		Client Address: <u>715 63rd St</u>		City/State/Zip: <u>West Sacramento, CA 95691</u>		Phone: <u>916-373-5520</u>		Fax: <u>916-373-1100</u>																																																													
City of Eau Claire		Date Requested: <u>02-04-22</u>		Request Type: <u>1 Day FAT</u>		Compliance Project: <u>3 Year 1 No</u>		Sample ID: <u>50210879-00</u>		Project Name: <u>PEAS Testing</u>																																																													
1000 Ferry Street		Eau Claire		WI 54703		Phone: <u>920-879-00</u>		Fax: <u>920-879-00</u>		Contact: <u>Tyler Fadness@EauClaireWI.Gov</u>																																																													
Sample Identification		Sample Date	Sample Time	Sample Type (Cr/Comp, G/Gr/Wh)	Matrix (Green, Brown, Orange, Yellow, White)	Analysis Requested																																																																	
2 Extra Pond - Line 1		01/02/22	1226	G	Water	<table border="1"> <tr><td><input checked="" type="checkbox"/></td><td>A</td><td>HCL</td><td>M</td><td>Hexachl</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>B</td><td>NaOH</td><td>N</td><td>Heptachl</td></tr> <tr><td><input type="checkbox"/></td><td>C</td><td>Zn Acetate</td><td>P</td><td>Arochl201</td></tr> <tr><td><input type="checkbox"/></td><td>D</td><td>NaOH</td><td>P</td><td>Arochl202</td></tr> <tr><td><input type="checkbox"/></td><td>E</td><td>NaOH</td><td>Q</td><td>Heptachl</td></tr> <tr><td><input type="checkbox"/></td><td>F</td><td>NaOH</td><td>P</td><td>Arochl201</td></tr> <tr><td><input type="checkbox"/></td><td>G</td><td>Acetic Acid</td><td>S</td><td>Heptachl</td></tr> <tr><td><input type="checkbox"/></td><td>H</td><td>Acetic Acid</td><td>S</td><td>Heptachl</td></tr> <tr><td><input type="checkbox"/></td><td>I</td><td>Acetic Acid</td><td>S</td><td>Heptachl</td></tr> <tr><td><input type="checkbox"/></td><td>J</td><td>Di Water</td><td>V</td><td>MEPA</td></tr> <tr><td><input type="checkbox"/></td><td>K</td><td>EDTA</td><td>W</td><td>Ortho</td></tr> <tr><td><input type="checkbox"/></td><td>L</td><td>EDTA</td><td>Z</td><td>Ortho (specify)</td></tr> </table>						<input checked="" type="checkbox"/>	A	HCL	M	Hexachl	<input checked="" type="checkbox"/>	B	NaOH	N	Heptachl	<input type="checkbox"/>	C	Zn Acetate	P	Arochl201	<input type="checkbox"/>	D	NaOH	P	Arochl202	<input type="checkbox"/>	E	NaOH	Q	Heptachl	<input type="checkbox"/>	F	NaOH	P	Arochl201	<input type="checkbox"/>	G	Acetic Acid	S	Heptachl	<input type="checkbox"/>	H	Acetic Acid	S	Heptachl	<input type="checkbox"/>	I	Acetic Acid	S	Heptachl	<input type="checkbox"/>	J	Di Water	V	MEPA	<input type="checkbox"/>	K	EDTA	W	Ortho	<input type="checkbox"/>	L	EDTA	Z	Ortho (specify)
<input checked="" type="checkbox"/>	A	HCL	M	Hexachl																																																																			
<input checked="" type="checkbox"/>	B	NaOH	N	Heptachl																																																																			
<input type="checkbox"/>	C	Zn Acetate	P	Arochl201																																																																			
<input type="checkbox"/>	D	NaOH	P	Arochl202																																																																			
<input type="checkbox"/>	E	NaOH	Q	Heptachl																																																																			
<input type="checkbox"/>	F	NaOH	P	Arochl201																																																																			
<input type="checkbox"/>	G	Acetic Acid	S	Heptachl																																																																			
<input type="checkbox"/>	H	Acetic Acid	S	Heptachl																																																																			
<input type="checkbox"/>	I	Acetic Acid	S	Heptachl																																																																			
<input type="checkbox"/>	J	Di Water	V	MEPA																																																																			
<input type="checkbox"/>	K	EDTA	W	Ortho																																																																			
<input type="checkbox"/>	L	EDTA	Z	Ortho (specify)																																																																			
EF Field Blank		01/02/22	1230	G	Water	<table border="1"> <tr><td><input checked="" type="checkbox"/></td><td>A</td><td>HCL</td><td>M</td><td>Hexachl</td></tr> <tr><td><input checked="" type="checkbox"/></td><td>B</td><td>NaOH</td><td>N</td><td>Heptachl</td></tr> <tr><td><input type="checkbox"/></td><td>C</td><td>Zn Acetate</td><td>P</td><td>Arochl201</td></tr> <tr><td><input type="checkbox"/></td><td>D</td><td>NaOH</td><td>P</td><td>Arochl202</td></tr> <tr><td><input type="checkbox"/></td><td>E</td><td>NaOH</td><td>Q</td><td>Heptachl</td></tr> <tr><td><input type="checkbox"/></td><td>F</td><td>NaOH</td><td>P</td><td>Arochl201</td></tr> <tr><td><input type="checkbox"/></td><td>G</td><td>Acetic Acid</td><td>S</td><td>Heptachl</td></tr> <tr><td><input type="checkbox"/></td><td>H</td><td>Acetic Acid</td><td>S</td><td>Heptachl</td></tr> <tr><td><input type="checkbox"/></td><td>I</td><td>Acetic Acid</td><td>S</td><td>Heptachl</td></tr> <tr><td><input type="checkbox"/></td><td>J</td><td>Di Water</td><td>V</td><td>MEPA</td></tr> <tr><td><input type="checkbox"/></td><td>K</td><td>EDTA</td><td>W</td><td>Ortho</td></tr> <tr><td><input type="checkbox"/></td><td>L</td><td>EDTA</td><td>Z</td><td>Ortho (specify)</td></tr> </table>						<input checked="" type="checkbox"/>	A	HCL	M	Hexachl	<input checked="" type="checkbox"/>	B	NaOH	N	Heptachl	<input type="checkbox"/>	C	Zn Acetate	P	Arochl201	<input type="checkbox"/>	D	NaOH	P	Arochl202	<input type="checkbox"/>	E	NaOH	Q	Heptachl	<input type="checkbox"/>	F	NaOH	P	Arochl201	<input type="checkbox"/>	G	Acetic Acid	S	Heptachl	<input type="checkbox"/>	H	Acetic Acid	S	Heptachl	<input type="checkbox"/>	I	Acetic Acid	S	Heptachl	<input type="checkbox"/>	J	Di Water	V	MEPA	<input type="checkbox"/>	K	EDTA	W	Ortho	<input type="checkbox"/>	L	EDTA	Z	Ortho (specify)
<input checked="" type="checkbox"/>	A	HCL	M	Hexachl																																																																			
<input checked="" type="checkbox"/>	B	NaOH	N	Heptachl																																																																			
<input type="checkbox"/>	C	Zn Acetate	P	Arochl201																																																																			
<input type="checkbox"/>	D	NaOH	P	Arochl202																																																																			
<input type="checkbox"/>	E	NaOH	Q	Heptachl																																																																			
<input type="checkbox"/>	F	NaOH	P	Arochl201																																																																			
<input type="checkbox"/>	G	Acetic Acid	S	Heptachl																																																																			
<input type="checkbox"/>	H	Acetic Acid	S	Heptachl																																																																			
<input type="checkbox"/>	I	Acetic Acid	S	Heptachl																																																																			
<input type="checkbox"/>	J	Di Water	V	MEPA																																																																			
<input type="checkbox"/>	K	EDTA	W	Ortho																																																																			
<input type="checkbox"/>	L	EDTA	Z	Ortho (specify)																																																																			
Possible Hazard Identification		Retention To Client		Retention To Client		Retention To Client		Retention To Client		Retention To Client																																																													
<input type="checkbox"/> Air Quality <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Volatile <input type="checkbox"/> Radiological		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive For		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive For		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive For		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive For		<input type="checkbox"/> Return to Client <input type="checkbox"/> Disposal by Lab <input type="checkbox"/> Archive For																																																													
Deliverable Requested: L, R, H, W, Other (specify)		Special Instructions/QC Requirements:		Special Instructions/QC Requirements:		Special Instructions/QC Requirements:		Special Instructions/QC Requirements:		Special Instructions/QC Requirements:																																																													
Requested by: <u>[Signature]</u>		Date: <u>2/2/22</u>	Time: <u>1330</u>	Company: <u>[Signature]</u>	Requested by:	Date/Time:	Company:	Requested by:	Date/Time:	Company:	Requested by:																																																												
Requested by:		Date/Time:	Company:	Requested by:	Date/Time:	Company:	Requested by:	Date/Time:	Company:	Requested by:	Date/Time:																																																												



## Chain of Custody Record

<b>Client Information</b> Client Contact: Ty Fadness Company: City of Eau Claire Address: 1000 Ferry Street City: Eau Claire State, Zip: WI, 54703 Phone:  Email: Tyler.Fadness@EauClaireWI.Gov Project Name: PFAS Testing Site:	Sampler: Ty Fadness Phone: 715-839-6121 IPWSID:  Lab PM: Fredrick, Sandie E-Mail: sandra.fredrick@eurofinset.com Carrier Tracking No(s): 500-98451-43001.1 State of Origin: Page Page 1 of 1 Job #:	<b>Analysis Requested</b> Due Date Requested: 02-04-22 TAT Requested (days): 1-Day TAT Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 50210879-00 WO #:  Project #: 50019745 SSO#:  <b>Sample Identification</b> Entry Point - Line 1 EP - Field Blank	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=Comp, G=grab)</th> <th>Matrix (Water, Sewage, Other)</th> <th>Field Filtered Sample (Yes or No)</th> <th>Perform MS/MSD (Yes or No)</th> <th>PFCLDA, WI - PFAS, Extended List (36 Analytes)</th> <th>Total Number of Containers</th> <th>Special Instructions/Note:</th> </tr> </thead> <tbody> <tr> <td>02/02/22</td> <td>1226</td> <td>G</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>02/02/22</td> <td>1230</td> <td>G</td> <td>Water</td> <td>X</td> <td>X</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>Water</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <div style="text-align: center;">         500-211762 Chain of Custody     </div>	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sewage, Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFCLDA, WI - PFAS, Extended List (36 Analytes)	Total Number of Containers	Special Instructions/Note:	02/02/22	1226	G	Water	X	X	X			02/02/22	1230	G	Water	X	X	X						Water									Water									Water									Water									Water									Water						Preservation Codes: A - HCl B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:  M - Hexane N - None O - AftAcO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecylsulfate U - Acetone V - MCAA W - pH 4-5 X - EDTA Z - other (specify)
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (Water, Sewage, Other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFCLDA, WI - PFAS, Extended List (36 Analytes)	Total Number of Containers	Special Instructions/Note:																																																																													
02/02/22	1226	G	Water	X	X	X																																																																															
02/02/22	1230	G	Water	X	X	X																																																																															
			Water																																																																																		
			Water																																																																																		
			Water																																																																																		
			Water																																																																																		
			Water																																																																																		
			Water																																																																																		

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological

**Deliverable Requested:** I, II, III, IV, Other (specify)

**Empty Kit Relinquished by:** \_\_\_\_\_ Date: \_\_\_\_\_

**Relinquished by:** *Ty Fadness* Date/Time: 2/2/22 1330  
 Company: City of Eau Claire

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

**Relinquished by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

**Custody Seals Intact:**  Yes  No  
 Custody Seal No.: 1602533

**Sample Disposal:**  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  
 Special Instructions/QC Requirements:

**Method of Shipment:** \_\_\_\_\_

**Received by:** *SD* Date/Time: 2/5/22 11:12  
 Company: Eurofins

**Received by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

**Received by:** \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Company: \_\_\_\_\_

Cooler Temperature(s) °C and Other Remarks: 1.0 c

# Login Sample Receipt Checklist

Client: City of Eau Claire

Job Number: 500-211762-1

**Login Number: 211762**

**List Source: Eurofins Chicago**

**List Number: 1**

**Creator: Fredrick, Sandie**

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.	True	
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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	True	



## Login Sample Receipt Checklist

Client: City of Eau Claire

Job Number: 500-211762-1

**Login Number: 211762**

**List Number: 2**

**Creator: Her, David A**

**List Source: Eurofins Sacramento**

**List Creation: 02/05/22 11:15 AM**

Question	Answer	Comment
Radioactivity wasn't checked or is <math>\leq</math> background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1602533
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	1.0 c
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	



Environment Testing  
TestAmerica

Sacramento  
Sample Receiving Notes



500-211762 Field Sheet

Tracking #: 5418 0594 0576

Job: \_\_\_\_\_

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

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-6 Corr. Factor: (+/-) \_\_\_\_\_ °C

Ice  Wet  Gel \_\_\_\_\_ Other \_\_\_\_\_

Cooler Custody Seal: 1802533

Cooler ID: \_\_\_\_\_

Temp Observed: 1.0 °C Corrected: 1.0 °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 checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Frozen samples show signs of thaw?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Initials: PK Date: 2/5/22

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"/>
Sample containers have legible labels?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample custody seal?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Containers are not broken or leaking?	<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"/>
Samples w/o discrepancies?	<input checked="" type="checkbox"/>	<input 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: PK Date: 2/5/22

Notes: \_\_\_\_\_

Fedex Tag indicates cooler delay.  
PH 2/5/22

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 type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Log Release checked in TALS?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Initials: PK Date: 2/5/22



# Isotope Dilution Summary

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

Job ID: 500-211762-1

## 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)
500-211762-1	Entry Point - Line 1	76	89	75	80	95	83	79	74
500-211762-2	EP - Field Blank	100	104	107	95	104	105	91	97
LCS 320-563904/2-A	Lab Control Sample	89	93	86	85	86	86	89	92
LCSD 320-563904/3-A	Lab Control Sample Dup	98	111	95	98	97	96	99	93
MB 320-563904/1-A	Method Blank	81	84	82	77	80	80	73	75

### 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)
500-211762-1	Entry Point - Line 1	79	77	77	87	89	84	88	81
500-211762-2	EP - Field Blank	97	94	84	96	97	100	94	101
LCS 320-563904/2-A	Lab Control Sample	92	91	83	87	84	86	89	95
LCSD 320-563904/3-A	Lab Control Sample Dup	97	98	92	94	96	92	97	100
MB 320-563904/1-A	Method Blank	80	80	76	80	74	77	76	85

### 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)
500-211762-1	Entry Point - Line 1	86	76	77	69	77	58	63	52
500-211762-2	EP - Field Blank	109	79	86	87	98	66	66	58
LCS 320-563904/2-A	Lab Control Sample	103	72	75	86	98	50	51	51
LCSD 320-563904/3-A	Lab Control Sample Dup	103	83	84	85	100	54	62	54
MB 320-563904/1-A	Method Blank	91	65	72	76	81	43	50	50

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (25-150)	M102FTS (25-150)
500-211762-1	Entry Point - Line 1	78	47
500-211762-2	EP - Field Blank	100	62
LCS 320-563904/2-A	Lab Control Sample	85	58
LCSD 320-563904/3-A	Lab Control Sample Dup	91	62
MB 320-563904/1-A	Method Blank	83	58

#### 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: 500-211762-1

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

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