

## ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento  
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West Sacramento, CA 95605  
Tel: (916)373-5600

Laboratory Job ID: 320-79986-1  
Client Project/Site: PFAS Testing

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

Attn: Ty Fadness



Authorized for release by:  
10/13/2021 6:49:42 PM

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



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# Definitions/Glossary

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

Job ID: 320-79986-1

## 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

# Case Narrative

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

Job ID: 320-79986-1

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**Job ID: 320-79986-1**

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**Laboratory: Eurofins TestAmerica, Sacramento**

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**Narrative**

**Job Narrative  
320-79986-1**

**Comments**

No additional comments.

**Receipt**

The samples were received on 10/7/2021 10:10 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 3.8° 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 320-532555. 320-532555 Method: 3535 PFC-W

Method 3535: The following samples were preserved with trizma: Well 15 (320-79986-1), Well 11 (320-79986-2), Well 16 (320-79986-3) and Well 23 (320-79986-4). Thus, the MB, LCS and LCSD also contain trizma. 320-532555 Method: 3535 PFC-W

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: 320-79986-1

## Client Sample ID: Well 15

## Lab Sample ID: 320-79986-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	8.0		4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	18		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	15		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.3		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	8.0		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	8.0		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	11		1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	89		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	2.5		1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	44		1.9	0.51	ng/L	1		537 (modified)	Total/NA
6:2 FTS	5.6		4.7	2.4	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: Well 11

## Lab Sample ID: 320-79986-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.9		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	9.0		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	8.9		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.1		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.0		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.9		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	8.7		1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	100		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	2.3		1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	64		1.9	0.52	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: Well 16

## Lab Sample ID: 320-79986-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.7		4.9	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.4		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.4		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.3	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.6		2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.2		2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	6.8		2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	75		2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	J	2.0	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	43		2.0	0.53	ng/L	1		537 (modified)	Total/NA

## Client Sample ID: Well 23

## Lab Sample ID: 320-79986-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.2		5.2	2.5	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	26		2.1	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	23		2.1	0.60	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	4.7		2.1	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.3		2.1	0.88	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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# Detection Summary

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

Job ID: 320-79986-1

**Client Sample ID: Well 23 (Continued)**

**Lab Sample ID: 320-79986-4**

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	6.7		2.1	0.21	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	11		2.1	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	44		2.1	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.79	J	2.1	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	10		2.1	0.56	ng/L	1		537 (modified)	Total/NA
6:2 FTS	5.9		5.2	2.6	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento



# Client Sample Results

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

Job ID: 320-79986-1

**Client Sample ID: Well 15**  
Date Collected: 10/06/21 10:42  
Date Received: 10/07/21 10:10

**Lab Sample ID: 320-79986-1**  
Matrix: Water

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	8.0		4.7	2.3	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluoropentanoic acid (PFPeA)	18		1.9	0.46	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorohexanoic acid (PFHxA)	15		1.9	0.55	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluoroheptanoic acid (PFHpA)	4.3		1.9	0.24	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorooctanoic acid (PFOA)	8.0		1.9	0.81	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.84		1.9	0.84	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.89		1.9	0.89	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorobutanesulfonic acid (PFBS)	8.0		1.9	0.19	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluoropentanesulfonic acid (PFPeS)	11		1.9	0.28	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorohexanesulfonic acid (PFHxS)	89		1.9	0.54	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.5		1.9	0.18	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorooctanesulfonic acid (PFOS)	44		1.9	0.51	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		10/09/21 12:22	10/11/21 20:54	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		10/09/21 12:22	10/11/21 20:54	1
NEtFOSA	<0.82		1.9	0.82	ng/L		10/09/21 12:22	10/11/21 20:54	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/09/21 12:22	10/11/21 20:54	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		10/09/21 12:22	10/11/21 20:54	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		10/09/21 12:22	10/11/21 20:54	1
NMeFOSE	<1.3		3.8	1.3	ng/L		10/09/21 12:22	10/11/21 20:54	1
NEtFOSE	<0.81		1.9	0.81	ng/L		10/09/21 12:22	10/11/21 20:54	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/09/21 12:22	10/11/21 20:54	1
6:2 FTS	5.6		4.7	2.4	ng/L		10/09/21 12:22	10/11/21 20:54	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/09/21 12:22	10/11/21 20:54	1
10:2 FTS	<0.64		1.9	0.64	ng/L		10/09/21 12:22	10/11/21 20:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/09/21 12:22	10/11/21 20:54	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/09/21 12:22	10/11/21 20:54	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/09/21 12:22	10/11/21 20:54	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		10/09/21 12:22	10/11/21 20:54	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150				10/09/21 12:22	10/11/21 20:54	1
13C5 PFPeA	78		25 - 150				10/09/21 12:22	10/11/21 20:54	1
13C2 PFHxA	83		25 - 150				10/09/21 12:22	10/11/21 20:54	1
13C4 PFHpA	80		25 - 150				10/09/21 12:22	10/11/21 20:54	1
13C4 PFOA	82		25 - 150				10/09/21 12:22	10/11/21 20:54	1

Eurofins TestAmerica, Sacramento

# Client Sample Results

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

Job ID: 320-79986-1

**Client Sample ID: Well 15**  
**Date Collected: 10/06/21 10:42**  
**Date Received: 10/07/21 10:10**

**Lab Sample ID: 320-79986-1**  
**Matrix: Water**

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFNA	82		25 - 150	10/09/21 12:22	10/11/21 20:54	1
13C2 PFDA	84		25 - 150	10/09/21 12:22	10/11/21 20:54	1
13C2 PFUnA	81		25 - 150	10/09/21 12:22	10/11/21 20:54	1
13C2 PFDoA	81		25 - 150	10/09/21 12:22	10/11/21 20:54	1
13C2 PFTeDA	75		25 - 150	10/09/21 12:22	10/11/21 20:54	1
13C2 PFHxDA	69		25 - 150	10/09/21 12:22	10/11/21 20:54	1
13C3 PFBS	83		25 - 150	10/09/21 12:22	10/11/21 20:54	1
18O2 PFHxS	84		25 - 150	10/09/21 12:22	10/11/21 20:54	1
13C4 PFOS	78		25 - 150	10/09/21 12:22	10/11/21 20:54	1
13C8 FOSA	74		10 - 150	10/09/21 12:22	10/11/21 20:54	1
d3-NMeFOSAA	78		25 - 150	10/09/21 12:22	10/11/21 20:54	1
d5-NEtFOSAA	79		25 - 150	10/09/21 12:22	10/11/21 20:54	1
d-N-MeFOSA-M	78		10 - 150	10/09/21 12:22	10/11/21 20:54	1
d-N-EtFOSA-M	76		10 - 150	10/09/21 12:22	10/11/21 20:54	1
d7-N-MeFOSE-M	96		10 - 150	10/09/21 12:22	10/11/21 20:54	1
d9-N-EtFOSE-M	90		10 - 150	10/09/21 12:22	10/11/21 20:54	1
M2-4:2 FTS	86		25 - 150	10/09/21 12:22	10/11/21 20:54	1
M2-6:2 FTS	74		25 - 150	10/09/21 12:22	10/11/21 20:54	1
M2-8:2 FTS	74		25 - 150	10/09/21 12:22	10/11/21 20:54	1
13C3 HFPO-DA	81		25 - 150	10/09/21 12:22	10/11/21 20:54	1
13C2 10:2 FTS	80		25 - 150	10/09/21 12:22	10/11/21 20:54	1



# Client Sample Results

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

Job ID: 320-79986-1

**Client Sample ID: Well 11**

**Lab Sample ID: 320-79986-2**

Date Collected: 10/06/21 10:46

Matrix: Water

Date Received: 10/07/21 10:10

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.9		4.8	2.3	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluoropentanoic acid (PFPeA)	9.0		1.9	0.47	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorohexanoic acid (PFHxA)	8.9		1.9	0.55	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluoroheptanoic acid (PFHpA)	3.1		1.9	0.24	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorooctanoic acid (PFOA)	9.0		1.9	0.81	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.85		1.9	0.85	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.90		1.9	0.90	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorobutanesulfonic acid (PFBS)	5.9		1.9	0.19	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluoropentanesulfonic acid (PFPeS)	8.7		1.9	0.29	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorohexanesulfonic acid (PFHxS)	100		1.9	0.54	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	2.3		1.9	0.18	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorooctanesulfonic acid (PFOS)	64		1.9	0.52	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		10/09/21 12:22	10/11/21 21:03	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		10/09/21 12:22	10/11/21 21:03	1
NEtFOSA	<0.83		1.9	0.83	ng/L		10/09/21 12:22	10/11/21 21:03	1
NMeFOSA	<0.41		1.9	0.41	ng/L		10/09/21 12:22	10/11/21 21:03	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		10/09/21 12:22	10/11/21 21:03	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		10/09/21 12:22	10/11/21 21:03	1
NMeFOSE	<1.3		3.8	1.3	ng/L		10/09/21 12:22	10/11/21 21:03	1
NEtFOSE	<0.81		1.9	0.81	ng/L		10/09/21 12:22	10/11/21 21:03	1
4:2 FTS	<0.23		1.9	0.23	ng/L		10/09/21 12:22	10/11/21 21:03	1
6:2 FTS	<2.4		4.8	2.4	ng/L		10/09/21 12:22	10/11/21 21:03	1
8:2 FTS	<0.44		1.9	0.44	ng/L		10/09/21 12:22	10/11/21 21:03	1
10:2 FTS	<0.64		1.9	0.64	ng/L		10/09/21 12:22	10/11/21 21:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		10/09/21 12:22	10/11/21 21:03	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		10/09/21 12:22	10/11/21 21:03	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		10/09/21 12:22	10/11/21 21:03	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		10/09/21 12:22	10/11/21 21:03	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150				10/09/21 12:22	10/11/21 21:03	1
13C5 PFPeA	83		25 - 150				10/09/21 12:22	10/11/21 21:03	1
13C2 PFHxA	84		25 - 150				10/09/21 12:22	10/11/21 21:03	1
13C4 PFHpA	82		25 - 150				10/09/21 12:22	10/11/21 21:03	1
13C4 PFOA	87		25 - 150				10/09/21 12:22	10/11/21 21:03	1

Eurofins TestAmerica, Sacramento

# Client Sample Results

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

Job ID: 320-79986-1

**Client Sample ID: Well 11**

**Lab Sample ID: 320-79986-2**

**Date Collected: 10/06/21 10:46**

**Matrix: Water**

**Date Received: 10/07/21 10:10**

**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	82		25 - 150	10/09/21 12:22	10/11/21 21:03	1
13C2 PFDA	88		25 - 150	10/09/21 12:22	10/11/21 21:03	1
13C2 PFUnA	84		25 - 150	10/09/21 12:22	10/11/21 21:03	1
13C2 PFDoA	81		25 - 150	10/09/21 12:22	10/11/21 21:03	1
13C2 PFTeDA	76		25 - 150	10/09/21 12:22	10/11/21 21:03	1
13C2 PFHxDA	72		25 - 150	10/09/21 12:22	10/11/21 21:03	1
13C3 PFBS	88		25 - 150	10/09/21 12:22	10/11/21 21:03	1
18O2 PFHxS	86		25 - 150	10/09/21 12:22	10/11/21 21:03	1
13C4 PFOS	84		25 - 150	10/09/21 12:22	10/11/21 21:03	1
13C8 FOSA	80		10 - 150	10/09/21 12:22	10/11/21 21:03	1
d3-NMeFOSAA	77		25 - 150	10/09/21 12:22	10/11/21 21:03	1
d5-NEtFOSAA	79		25 - 150	10/09/21 12:22	10/11/21 21:03	1
d-N-MeFOSA-M	78		10 - 150	10/09/21 12:22	10/11/21 21:03	1
d-N-EtFOSA-M	78		10 - 150	10/09/21 12:22	10/11/21 21:03	1
d7-N-MeFOSE-M	96		10 - 150	10/09/21 12:22	10/11/21 21:03	1
d9-N-EtFOSE-M	89		10 - 150	10/09/21 12:22	10/11/21 21:03	1
M2-4:2 FTS	87		25 - 150	10/09/21 12:22	10/11/21 21:03	1
M2-6:2 FTS	80		25 - 150	10/09/21 12:22	10/11/21 21:03	1
M2-8:2 FTS	81		25 - 150	10/09/21 12:22	10/11/21 21:03	1
13C3 HFPO-DA	85		25 - 150	10/09/21 12:22	10/11/21 21:03	1
13C2 10:2 FTS	83		25 - 150	10/09/21 12:22	10/11/21 21:03	1

# Client Sample Results

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

Job ID: 320-79986-1

**Client Sample ID: Well 16**

**Lab Sample ID: 320-79986-3**

Date Collected: 10/06/21 10:50

Matrix: Water

Date Received: 10/07/21 10:10

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.7		4.9	2.4	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluoropentanoic acid (PFPeA)	3.4		2.0	0.48	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorohexanoic acid (PFHxA)	3.4		2.0	0.57	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluoroheptanoic acid (PFHpA)	1.3	J	2.0	0.25	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorooctanoic acid (PFOA)	7.6		2.0	0.84	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.88		2.0	0.88	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.93		2.0	0.93	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorobutanesulfonic acid (PFBS)	5.2		2.0	0.20	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluoropentanesulfonic acid (PFPeS)	6.8		2.0	0.30	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorohexanesulfonic acid (PFHxS)	75		2.0	0.56	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluoroheptanesulfonic Acid (PFHpS)	1.8	J	2.0	0.19	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorooctanesulfonic acid (PFOS)	43		2.0	0.53	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		10/09/21 12:22	10/11/21 21:12	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		10/09/21 12:22	10/11/21 21:12	1
NEtFOSA	<0.86		2.0	0.86	ng/L		10/09/21 12:22	10/11/21 21:12	1
NMeFOSA	<0.42		2.0	0.42	ng/L		10/09/21 12:22	10/11/21 21:12	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		10/09/21 12:22	10/11/21 21:12	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		10/09/21 12:22	10/11/21 21:12	1
NMeFOSE	<1.4		3.9	1.4	ng/L		10/09/21 12:22	10/11/21 21:12	1
NEtFOSE	<0.84		2.0	0.84	ng/L		10/09/21 12:22	10/11/21 21:12	1
4:2 FTS	<0.24		2.0	0.24	ng/L		10/09/21 12:22	10/11/21 21:12	1
6:2 FTS	<2.5		4.9	2.5	ng/L		10/09/21 12:22	10/11/21 21:12	1
8:2 FTS	<0.45		2.0	0.45	ng/L		10/09/21 12:22	10/11/21 21:12	1
10:2 FTS	<0.66		2.0	0.66	ng/L		10/09/21 12:22	10/11/21 21:12	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		10/09/21 12:22	10/11/21 21:12	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		10/09/21 12:22	10/11/21 21:12	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		10/09/21 12:22	10/11/21 21:12	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		10/09/21 12:22	10/11/21 21:12	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	74		25 - 150				10/09/21 12:22	10/11/21 21:12	1
13C5 PFPeA	82		25 - 150				10/09/21 12:22	10/11/21 21:12	1
13C2 PFHxA	81		25 - 150				10/09/21 12:22	10/11/21 21:12	1
13C4 PFHpA	82		25 - 150				10/09/21 12:22	10/11/21 21:12	1
13C4 PFOA	84		25 - 150				10/09/21 12:22	10/11/21 21:12	1

Eurofins TestAmerica, Sacramento

# Client Sample Results

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

Job ID: 320-79986-1

**Client Sample ID: Well 16**

**Lab Sample ID: 320-79986-3**

**Date Collected: 10/06/21 10:50**

**Matrix: Water**

**Date Received: 10/07/21 10:10**

**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	10/09/21 12:22	10/11/21 21:12	1
13C2 PFDA	86		25 - 150	10/09/21 12:22	10/11/21 21:12	1
13C2 PFUnA	82		25 - 150	10/09/21 12:22	10/11/21 21:12	1
13C2 PFDoA	81		25 - 150	10/09/21 12:22	10/11/21 21:12	1
13C2 PFTeDA	77		25 - 150	10/09/21 12:22	10/11/21 21:12	1
13C2 PFHxDA	74		25 - 150	10/09/21 12:22	10/11/21 21:12	1
13C3 PFBS	83		25 - 150	10/09/21 12:22	10/11/21 21:12	1
18O2 PFHxS	84		25 - 150	10/09/21 12:22	10/11/21 21:12	1
13C4 PFOS	81		25 - 150	10/09/21 12:22	10/11/21 21:12	1
13C8 FOSA	80		10 - 150	10/09/21 12:22	10/11/21 21:12	1
d3-NMeFOSAA	83		25 - 150	10/09/21 12:22	10/11/21 21:12	1
d5-NEtFOSAA	84		25 - 150	10/09/21 12:22	10/11/21 21:12	1
d-N-MeFOSA-M	80		10 - 150	10/09/21 12:22	10/11/21 21:12	1
d-N-EtFOSA-M	79		10 - 150	10/09/21 12:22	10/11/21 21:12	1
d7-N-MeFOSE-M	94		10 - 150	10/09/21 12:22	10/11/21 21:12	1
d9-N-EtFOSE-M	93		10 - 150	10/09/21 12:22	10/11/21 21:12	1
M2-4:2 FTS	96		25 - 150	10/09/21 12:22	10/11/21 21:12	1
M2-6:2 FTS	81		25 - 150	10/09/21 12:22	10/11/21 21:12	1
M2-8:2 FTS	79		25 - 150	10/09/21 12:22	10/11/21 21:12	1
13C3 HFPO-DA	80		25 - 150	10/09/21 12:22	10/11/21 21:12	1
13C2 10:2 FTS	85		25 - 150	10/09/21 12:22	10/11/21 21:12	1

# Client Sample Results

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

Job ID: 320-79986-1

**Client Sample ID: Well 23**

**Lab Sample ID: 320-79986-4**

Date Collected: 10/06/21 11:35

Matrix: Water

Date Received: 10/07/21 10:10

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

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	7.2		5.2	2.5	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluoropentanoic acid (PFPeA)	26		2.1	0.51	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorohexanoic acid (PFHxA)	23		2.1	0.60	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluoroheptanoic acid (PFHpA)	4.7		2.1	0.26	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorooctanoic acid (PFOA)	3.3		2.1	0.88	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorononanoic acid (PFNA)	<0.28		2.1	0.28	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorodecanoic acid (PFDA)	<0.32		2.1	0.32	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.1	1.1	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorododecanoic acid (PFDoA)	<0.57		2.1	0.57	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.1	1.3	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.76		2.1	0.76	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.92		2.1	0.92	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.97		2.1	0.97	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorobutanesulfonic acid (PFBS)	6.7		2.1	0.21	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluoropentanesulfonic acid (PFPeS)	11		2.1	0.31	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorohexanesulfonic acid (PFHxS)	44		2.1	0.59	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.79 J		2.1	0.20	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorooctanesulfonic acid (PFOS)	10		2.1	0.56	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.1	0.38	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.1	0.33	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorododecanesulfonic acid (PFDoS)	<1.0		2.1	1.0	ng/L		10/09/21 12:22	10/11/21 21:21	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.1	1.0	ng/L		10/09/21 12:22	10/11/21 21:21	1
NEtFOSA	<0.90		2.1	0.90	ng/L		10/09/21 12:22	10/11/21 21:21	1
NMeFOSA	<0.45		2.1	0.45	ng/L		10/09/21 12:22	10/11/21 21:21	1
NMeFOSAA	<1.2		5.2	1.2	ng/L		10/09/21 12:22	10/11/21 21:21	1
NEtFOSAA	<1.3		5.2	1.3	ng/L		10/09/21 12:22	10/11/21 21:21	1
NMeFOSE	<1.5		4.1	1.5	ng/L		10/09/21 12:22	10/11/21 21:21	1
NEtFOSE	<0.88		2.1	0.88	ng/L		10/09/21 12:22	10/11/21 21:21	1
4:2 FTS	<0.25		2.1	0.25	ng/L		10/09/21 12:22	10/11/21 21:21	1
6:2 FTS	5.9		5.2	2.6	ng/L		10/09/21 12:22	10/11/21 21:21	1
8:2 FTS	<0.48		2.1	0.48	ng/L		10/09/21 12:22	10/11/21 21:21	1
10:2 FTS	<0.69		2.1	0.69	ng/L		10/09/21 12:22	10/11/21 21:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.1	0.41	ng/L		10/09/21 12:22	10/11/21 21:21	1
HFPO-DA (GenX)	<1.6		4.1	1.6	ng/L		10/09/21 12:22	10/11/21 21:21	1
9Cl-PF3ONS	<0.25		2.1	0.25	ng/L		10/09/21 12:22	10/11/21 21:21	1
11Cl-PF3OUdS	<0.33		2.1	0.33	ng/L		10/09/21 12:22	10/11/21 21:21	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	85		25 - 150				10/09/21 12:22	10/11/21 21:21	1
13C5 PFPeA	87		25 - 150				10/09/21 12:22	10/11/21 21:21	1
13C2 PFHxA	84		25 - 150				10/09/21 12:22	10/11/21 21:21	1
13C4 PFHpA	87		25 - 150				10/09/21 12:22	10/11/21 21:21	1
13C4 PFOA	91		25 - 150				10/09/21 12:22	10/11/21 21:21	1

Eurofins TestAmerica, Sacramento

# Client Sample Results

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

Job ID: 320-79986-1

**Client Sample ID: Well 23**

**Lab Sample ID: 320-79986-4**

**Date Collected: 10/06/21 11:35**

**Matrix: Water**

**Date Received: 10/07/21 10:10**

**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	91		25 - 150	10/09/21 12:22	10/11/21 21:21	1
13C2 PFDA	92		25 - 150	10/09/21 12:22	10/11/21 21:21	1
13C2 PFUnA	94		25 - 150	10/09/21 12:22	10/11/21 21:21	1
13C2 PFDoA	89		25 - 150	10/09/21 12:22	10/11/21 21:21	1
13C2 PFTeDA	86		25 - 150	10/09/21 12:22	10/11/21 21:21	1
13C2 PFHxDA	83		25 - 150	10/09/21 12:22	10/11/21 21:21	1
13C3 PFBS	91		25 - 150	10/09/21 12:22	10/11/21 21:21	1
18O2 PFHxS	90		25 - 150	10/09/21 12:22	10/11/21 21:21	1
13C4 PFOS	88		25 - 150	10/09/21 12:22	10/11/21 21:21	1
13C8 FOSA	84		10 - 150	10/09/21 12:22	10/11/21 21:21	1
d3-NMeFOSAA	94		25 - 150	10/09/21 12:22	10/11/21 21:21	1
d5-NEtFOSAA	92		25 - 150	10/09/21 12:22	10/11/21 21:21	1
d-N-MeFOSA-M	86		10 - 150	10/09/21 12:22	10/11/21 21:21	1
d-N-EtFOSA-M	84		10 - 150	10/09/21 12:22	10/11/21 21:21	1
d7-N-MeFOSE-M	107		10 - 150	10/09/21 12:22	10/11/21 21:21	1
d9-N-EtFOSE-M	101		10 - 150	10/09/21 12:22	10/11/21 21:21	1
M2-4:2 FTS	104		25 - 150	10/09/21 12:22	10/11/21 21:21	1
M2-6:2 FTS	92		25 - 150	10/09/21 12:22	10/11/21 21:21	1
M2-8:2 FTS	86		25 - 150	10/09/21 12:22	10/11/21 21:21	1
13C3 HFPO-DA	89		25 - 150	10/09/21 12:22	10/11/21 21:21	1
13C2 10:2 FTS	96		25 - 150	10/09/21 12:22	10/11/21 21:21	1

# Isotope Dilution Summary

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

Job ID: 320-79986-1

## 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)
320-79986-1	Well 15	76	78	83	80	82	82	84	81
320-79986-2	Well 11	80	83	84	82	87	82	88	84
320-79986-3	Well 16	74	82	81	82	84	83	86	82
320-79986-4	Well 23	85	87	84	87	91	91	92	94
LCS 320-532555/2-A	Lab Control Sample	70	72	71	73	74	74	73	72
LCSD 320-532555/3-A	Lab Control Sample Dup	84	87	87	85	91	89	93	88
MB 320-532555/1-A	Method Blank	79	80	79	79	81	79	80	81

### 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)
320-79986-1	Well 15	81	75	69	83	84	78	74	78
320-79986-2	Well 11	81	76	72	88	86	84	80	77
320-79986-3	Well 16	81	77	74	83	84	81	80	83
320-79986-4	Well 23	89	86	83	91	90	88	84	94
LCS 320-532555/2-A	Lab Control Sample	71	68	64	79	78	77	70	75
LCSD 320-532555/3-A	Lab Control Sample Dup	87	83	81	92	92	87	84	88
MB 320-532555/1-A	Method Blank	77	73	71	80	83	80	76	83

### 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)
320-79986-1	Well 15	79	78	76	96	90	86	74	74
320-79986-2	Well 11	79	78	78	96	89	87	80	81
320-79986-3	Well 16	84	80	79	94	93	96	81	79
320-79986-4	Well 23	92	86	84	107	101	104	92	86
LCS 320-532555/2-A	Lab Control Sample	73	72	72	84	81	79	74	69
LCSD 320-532555/3-A	Lab Control Sample Dup	88	86	88	105	100	94	87	82
MB 320-532555/1-A	Method Blank	88	78	77	91	87	95	84	78

### Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (25-150)	M102FTS (25-150)
320-79986-1	Well 15	81	80
320-79986-2	Well 11	85	83
320-79986-3	Well 16	80	85
320-79986-4	Well 23	89	96
LCS 320-532555/2-A	Lab Control Sample	73	71
LCSD 320-532555/3-A	Lab Control Sample Dup	87	87
MB 320-532555/1-A	Method Blank	76	84

#### 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

# Isotope Dilution Summary

Job ID: 320-79986-1

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

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

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# QC Sample Results

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

Job ID: 320-79986-1

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

**Lab Sample ID: MB 320-532555/1-A**  
**Matrix: Water**  
**Analysis Batch: 533092**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 532555**

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.94		2.0	0.94	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		10/09/21 12:22	10/11/21 20:27	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		10/09/21 12:22	10/11/21 20:27	1
NEtFOSA	<0.87		2.0	0.87	ng/L		10/09/21 12:22	10/11/21 20:27	1
NMeFOSA	<0.43		2.0	0.43	ng/L		10/09/21 12:22	10/11/21 20:27	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		10/09/21 12:22	10/11/21 20:27	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		10/09/21 12:22	10/11/21 20:27	1
NMeFOSE	<1.4		4.0	1.4	ng/L		10/09/21 12:22	10/11/21 20:27	1
NEtFOSE	<0.85		2.0	0.85	ng/L		10/09/21 12:22	10/11/21 20:27	1
4:2 FTS	<0.24		2.0	0.24	ng/L		10/09/21 12:22	10/11/21 20:27	1
6:2 FTS	<2.5		5.0	2.5	ng/L		10/09/21 12:22	10/11/21 20:27	1
8:2 FTS	<0.46		2.0	0.46	ng/L		10/09/21 12:22	10/11/21 20:27	1
10:2 FTS	<0.67		2.0	0.67	ng/L		10/09/21 12:22	10/11/21 20:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		10/09/21 12:22	10/11/21 20:27	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		10/09/21 12:22	10/11/21 20:27	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		10/09/21 12:22	10/11/21 20:27	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		10/09/21 12:22	10/11/21 20:27	1
Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
13C4 PFBA	79		25 - 150	10/09/21 12:22	10/11/21 20:27	1			
13C5 PFPeA	80		25 - 150	10/09/21 12:22	10/11/21 20:27	1			
13C2 PFHxA	79		25 - 150	10/09/21 12:22	10/11/21 20:27	1			
13C4 PFHpA	79		25 - 150	10/09/21 12:22	10/11/21 20:27	1			
13C4 PFOA	81		25 - 150	10/09/21 12:22	10/11/21 20:27	1			
13C5 PFNA	79		25 - 150	10/09/21 12:22	10/11/21 20:27	1			

Eurofins TestAmerica, Sacramento

# QC Sample Results

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

Job ID: 320-79986-1

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

**Lab Sample ID: MB 320-532555/1-A**  
**Matrix: Water**  
**Analysis Batch: 533092**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 532555**

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	80		25 - 150	10/09/21 12:22	10/11/21 20:27	1
13C2 PFUnA	81		25 - 150	10/09/21 12:22	10/11/21 20:27	1
13C2 PFDoA	77		25 - 150	10/09/21 12:22	10/11/21 20:27	1
13C2 PFTeDA	73		25 - 150	10/09/21 12:22	10/11/21 20:27	1
13C2 PFHxDA	71		25 - 150	10/09/21 12:22	10/11/21 20:27	1
13C3 PFBS	80		25 - 150	10/09/21 12:22	10/11/21 20:27	1
18O2 PFHxS	83		25 - 150	10/09/21 12:22	10/11/21 20:27	1
13C4 PFOS	80		25 - 150	10/09/21 12:22	10/11/21 20:27	1
13C8 FOSA	76		10 - 150	10/09/21 12:22	10/11/21 20:27	1
d3-NMeFOSAA	83		25 - 150	10/09/21 12:22	10/11/21 20:27	1
d5-NEtFOSAA	88		25 - 150	10/09/21 12:22	10/11/21 20:27	1
d-N-MeFOSA-M	78		10 - 150	10/09/21 12:22	10/11/21 20:27	1
d-N-EtFOSA-M	77		10 - 150	10/09/21 12:22	10/11/21 20:27	1
d7-N-MeFOSE-M	91		10 - 150	10/09/21 12:22	10/11/21 20:27	1
d9-N-EtFOSE-M	87		10 - 150	10/09/21 12:22	10/11/21 20:27	1
M2-4:2 FTS	95		25 - 150	10/09/21 12:22	10/11/21 20:27	1
M2-6:2 FTS	84		25 - 150	10/09/21 12:22	10/11/21 20:27	1
M2-8:2 FTS	78		25 - 150	10/09/21 12:22	10/11/21 20:27	1
13C3 HFPO-DA	76		25 - 150	10/09/21 12:22	10/11/21 20:27	1
13C2 10:2 FTS	84		25 - 150	10/09/21 12:22	10/11/21 20:27	1

**Lab Sample ID: LCS 320-532555/2-A**  
**Matrix: Water**  
**Analysis Batch: 533092**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 532555**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoropentanoic acid (PFPeA)	40.0	44.1		ng/L		110	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	44.2		ng/L		111	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	44.2		ng/L		111	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	45.3		ng/L		113	60 - 135
Perfluorononanoic acid (PFNA)	40.0	45.9		ng/L		115	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	43.1		ng/L		108	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	43.4		ng/L		109	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	44.9		ng/L		112	60 - 135
Perfluorotridecanoic acid (PFTTrDA)	40.0	45.0		ng/L		112	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	44.3		ng/L		111	60 - 135
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	42.6		ng/L		106	60 - 135
Perfluoro-n-octadecanoic acid (PFODA)	40.0	35.7		ng/L		89	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	38.6		ng/L		109	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	39.1		ng/L		104	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	37.3		ng/L		102	60 - 135

Eurofins TestAmerica, Sacramento

# QC Sample Results

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

Job ID: 320-79986-1

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

**Lab Sample ID: LCS 320-532555/2-A**  
**Matrix: Water**  
**Analysis Batch: 533092**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 532555**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	40.7		ng/L		107	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	43.2		ng/L		116	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	41.8		ng/L		109	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	37.9		ng/L		98	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	38.2		ng/L		99	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	44.0		ng/L		110	60 - 135
NEtFOSA	40.0	38.5		ng/L		96	60 - 135
NMeFOSA	40.0	43.9		ng/L		110	60 - 135
NMeFOSAA	40.0	44.6		ng/L		112	60 - 135
NEtFOSAA	40.0	42.1		ng/L		105	60 - 135
NMeFOSE	40.0	43.9		ng/L		110	60 - 135
NEtFOSE	40.0	41.4		ng/L		103	60 - 135
4:2 FTS	37.4	43.5		ng/L		116	60 - 135
6:2 FTS	37.9	41.2		ng/L		109	60 - 135
8:2 FTS	38.3	42.0		ng/L		110	60 - 135
10:2 FTS	38.6	39.9		ng/L		103	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	41.9		ng/L		111	60 - 135
HFPO-DA (GenX)	40.0	42.7		ng/L		107	60 - 135
9CI-PF3ONS	37.3	39.6		ng/L		106	60 - 135
11CI-PF3OUdS	37.7	38.7		ng/L		103	60 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	70		25 - 150
13C5 PFPeA	72		25 - 150
13C2 PFHxA	71		25 - 150
13C4 PFHpA	73		25 - 150
13C4 PFOA	74		25 - 150
13C5 PFNA	74		25 - 150
13C2 PFDA	73		25 - 150
13C2 PFUnA	72		25 - 150
13C2 PFDoA	71		25 - 150
13C2 PFTeDA	68		25 - 150
13C2 PFHxDA	64		25 - 150
13C3 PFBS	79		25 - 150
18O2 PFHxS	78		25 - 150
13C4 PFOS	77		25 - 150
13C8 FOSA	70		10 - 150
d3-NMeFOSAA	75		25 - 150
d5-NEtFOSAA	73		25 - 150
d-N-MeFOSA-M	72		10 - 150
d-N-EtFOSA-M	72		10 - 150
d7-N-MeFOSE-M	84		10 - 150
d9-N-EtFOSE-M	81		10 - 150

# QC Sample Results

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

Job ID: 320-79986-1

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

**Lab Sample ID: LCS 320-532555/2-A**  
**Matrix: Water**  
**Analysis Batch: 533092**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 532555**

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
M2-4:2 FTS	79		25 - 150
M2-6:2 FTS	74		25 - 150
M2-8:2 FTS	69		25 - 150
13C3 HFPO-DA	73		25 - 150
13C2 10:2 FTS	71		25 - 150

**Lab Sample ID: LCSD 320-532555/3-A**  
**Matrix: Water**  
**Analysis Batch: 533092**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 532555**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	42.9		ng/L		107	60 - 135	1	30	
Perfluoropentanoic acid (PFPeA)	40.0	42.2		ng/L		105	60 - 135	5	30	
Perfluorohexanoic acid (PFHxA)	40.0	43.5		ng/L		109	60 - 135	2	30	
Perfluoroheptanoic acid (PFHpA)	40.0	43.2		ng/L		108	60 - 135	2	30	
Perfluorooctanoic acid (PFOA)	40.0	45.2		ng/L		113	60 - 135	0	30	
Perfluorononanoic acid (PFNA)	40.0	44.0		ng/L		110	60 - 135	4	30	
Perfluorodecanoic acid (PFDA)	40.0	40.0		ng/L		100	60 - 135	7	30	
Perfluoroundecanoic acid (PFUnA)	40.0	40.2		ng/L		100	60 - 135	8	30	
Perfluorododecanoic acid (PFDoA)	40.0	43.1		ng/L		108	60 - 135	4	30	
Perfluorotridecanoic acid (PFTrDA)	40.0	43.9		ng/L		110	60 - 135	2	30	
Perfluorotetradecanoic acid (PFTeA)	40.0	43.7		ng/L		109	60 - 135	1	30	
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	41.8		ng/L		105	60 - 135	2	30	
Perfluoro-n-octadecanoic acid (PFODA)	40.0	34.7		ng/L		87	60 - 135	3	30	
Perfluorobutanesulfonic acid (PFBS)	35.4	38.3		ng/L		108	60 - 135	1	30	
Perfluoropentanesulfonic acid (PFPeS)	37.5	38.0		ng/L		101	60 - 135	3	30	
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.0		ng/L		99	60 - 135	4	30	
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	42.8		ng/L		112	60 - 135	5	30	
Perfluorooctanesulfonic acid (PFOS)	37.1	43.8		ng/L		118	60 - 135	1	30	
Perfluorononanesulfonic acid (PFNS)	38.4	44.0		ng/L		115	60 - 135	5	30	
Perfluorodecanesulfonic acid (PFDS)	38.6	41.8		ng/L		109	60 - 135	10	30	
Perfluorododecanesulfonic acid (PFDoS)	38.7	38.0		ng/L		98	60 - 135	0	30	
Perfluorooctanesulfonamide (FOSA)	40.0	42.5		ng/L		106	60 - 135	4	30	
NEtFOSA	40.0	38.3		ng/L		96	60 - 135	1	30	
NMeFOSA	40.0	44.2		ng/L		111	60 - 135	1	30	
NMeFOSAA	40.0	41.3		ng/L		103	60 - 135	8	30	
NEtFOSAA	40.0	39.6		ng/L		99	60 - 135	6	30	
NMeFOSE	40.0	42.0		ng/L		105	60 - 135	5	30	

Eurofins TestAmerica, Sacramento

# QC Sample Results

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

Job ID: 320-79986-1

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

**Lab Sample ID: LCSD 320-532555/3-A**  
**Matrix: Water**  
**Analysis Batch: 533092**

**Client Sample ID: Lab Control Sample Dup**  
**Prep Type: Total/NA**  
**Prep Batch: 532555**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
NETFOSE	40.0	41.7		ng/L		104	60 - 135	1	30
4:2 FTS	37.4	41.0		ng/L		110	60 - 135	6	30
6:2 FTS	37.9	39.4		ng/L		104	60 - 135	4	30
8:2 FTS	38.3	41.6		ng/L		109	60 - 135	1	30
10:2 FTS	38.6	38.8		ng/L		101	60 - 135	3	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	43.5		ng/L		115	60 - 135	4	30
HFPO-DA (GenX)	40.0	41.8		ng/L		104	60 - 135	2	30
9CI-PF3ONS	37.3	41.9		ng/L		112	60 - 135	6	30
11CI-PF3OUdS	37.7	39.7		ng/L		105	60 - 135	3	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	84		25 - 150
13C5 PFPeA	87		25 - 150
13C2 PFHxA	87		25 - 150
13C4 PFHpA	85		25 - 150
13C4 PFOA	91		25 - 150
13C5 PFNA	89		25 - 150
13C2 PFDA	93		25 - 150
13C2 PFUnA	88		25 - 150
13C2 PFDoA	87		25 - 150
13C2 PFTeDA	83		25 - 150
13C2 PFHxDA	81		25 - 150
13C3 PFBS	92		25 - 150
18O2 PFHxS	92		25 - 150
13C4 PFOS	87		25 - 150
13C8 FOSA	84		10 - 150
d3-NMeFOSAA	88		25 - 150
d5-NEtFOSAA	88		25 - 150
d-N-MeFOSA-M	86		10 - 150
d-N-EtFOSA-M	88		10 - 150
d7-N-MeFOSE-M	105		10 - 150
d9-N-EtFOSE-M	100		10 - 150
M2-4:2 FTS	94		25 - 150
M2-6:2 FTS	87		25 - 150
M2-8:2 FTS	82		25 - 150
13C3 HFPO-DA	87		25 - 150
13C2 10:2 FTS	87		25 - 150

# QC Association Summary

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

Job ID: 320-79986-1

## LCMS

### Prep Batch: 532555

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-79986-1	Well 15	Total/NA	Water	3535	
320-79986-2	Well 11	Total/NA	Water	3535	
320-79986-3	Well 16	Total/NA	Water	3535	
320-79986-4	Well 23	Total/NA	Water	3535	
MB 320-532555/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-532555/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-532555/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

### Analysis Batch: 533092

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-79986-1	Well 15	Total/NA	Water	537 (modified)	532555
320-79986-2	Well 11	Total/NA	Water	537 (modified)	532555
320-79986-3	Well 16	Total/NA	Water	537 (modified)	532555
320-79986-4	Well 23	Total/NA	Water	537 (modified)	532555
MB 320-532555/1-A	Method Blank	Total/NA	Water	537 (modified)	532555
LCS 320-532555/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	532555
LCSD 320-532555/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	532555

# Lab Chronicle

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

Job ID: 320-79986-1

## Client Sample ID: Well 15

Date Collected: 10/06/21 10:42

Date Received: 10/07/21 10:10

## Lab Sample ID: 320-79986-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			263.7 mL	10.0 mL	532555	10/09/21 12:22	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			533092	10/11/21 20:54	D1R	TAL SAC

## Client Sample ID: Well 11

Date Collected: 10/06/21 10:46

Date Received: 10/07/21 10:10

## Lab Sample ID: 320-79986-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			261.7 mL	10.0 mL	532555	10/09/21 12:22	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			533092	10/11/21 21:03	D1R	TAL SAC

## Client Sample ID: Well 16

Date Collected: 10/06/21 10:50

Date Received: 10/07/21 10:10

## Lab Sample ID: 320-79986-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.7 mL	10.0 mL	532555	10/09/21 12:22	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			533092	10/11/21 21:12	D1R	TAL SAC

## Client Sample ID: Well 23

Date Collected: 10/06/21 11:35

Date Received: 10/07/21 10:10

## Lab Sample ID: 320-79986-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			241.2 mL	10.0 mL	532555	10/09/21 12:22	EG	TAL SAC
Total/NA	Analysis	537 (modified)		1			533092	10/11/21 21:21	D1R	TAL SAC

### Laboratory References:

TAL SAC = Eurofins TestAmerica, 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: 320-79986-1

## Laboratory: Eurofins TestAmerica, 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



# Method Summary

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

Job ID: 320-79986-1

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 TestAmerica, Sacramento, 880 Riverside Parkway, West Sacramento, CA 95605, TEL (916)373-5600



# Sample Summary

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

Job ID: 320-79986-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-79986-1	Well 15	Water	10/06/21 10:42	10/07/21 10:10
320-79986-2	Well 11	Water	10/06/21 10:46	10/07/21 10:10
320-79986-3	Well 16	Water	10/06/21 10:50	10/07/21 10:10
320-79986-4	Well 23	Water	10/06/21 11:35	10/07/21 10:10

1

2

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15

**Chain of Custody Record**



**Client Information**  
 Client Contact: **Ty Fadness**  
 Phone: **715-839-0121**  
 E-Mail: **sandria.frednick@eurofinset.com**

**Company**  
 City of Eau Claire  
 Address: **203 S Farwell**  
 City: **Eau Claire**  
 State Zip: **WI, 54701**  
 Phone: **50210879-00**

**Project Information**  
 Project #: **32012617**  
 SOW#: **50210879-00**  
 Project Name: **PFAS Testing**  
 Site: **W-1**

**Analysis Requested**  
 Lead PM: **Fredrick, Sandie**  
 Carrier Tracking No(s): **320-43625-10138 1**  
 State of Origin: **WI**  
 E-Mail: **sandria.frednick@eurofinset.com**

**Due Date Requested:** 10/17/21  
**TAT Requested (days):** 10-Day TAT  
**Compliance Project:** 3 Yes  No

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp. G=grab)	Matrix (W=water, S=solid, O=other)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFAS Extended List (36 Analytes)	PFC/IDA/MI - PFAS Standard List (36 Analytes)	Total Number of Containers	Special Instructions/Note:
Well 15	10/6/21	1042	G	Water	X	X	X	X		
Well 11	10/6/21	1046	G	Water	X	X	X	X		
Well 10	10/6/21	1050	G	Water	X	X	X	X		
Well 23	10/6/21	1135	G	Water	X	X	X	X		
				Water						
				Water						
				Water						
				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) \_\_\_\_\_

**Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)**  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

**Special Instructions/OC Requirements**

**Empty Kit Relinquished by:** [Signature]  
 Relinquished by: [Signature]  
 Relinquished by: [Signature]  
 Relinquished by: [Signature]

**Date:** 10/16/21  
**Time:** 0321  
**Company:** Eau Claire Company

**Received by:** [Signature]  
**Date/Time:** 10/17/21  
**Company:** Eau Claire Company

**Received by:** [Signature]  
**Date/Time:** 10/17/21  
**Company:** Eau Claire Company

**Cooler Temperature(s) °C and Other Remarks:** 3 &

**Custody Seal No.:** 1600946

**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: \_\_\_\_\_

**Preservation Codes:**  
 M - Hexane  
 N - None  
 O - AsNaO2  
 P - Na2CO3  
 Q - Na2SO3  
 R - Na2SO3  
 S - H2SO4  
 T - TSP Dodecahydrate  
 U - Acetone  
 V - Me2AA  
 W - pH 4.5  
 Z - other (specify) \_\_\_\_\_

Ver. 06/08/2021

## Login Sample Receipt Checklist

Client: City of Eau Claire

Job Number: 320-79986-1

**Login Number: 79986**

**List Source: Eurofins TestAmerica, Sacramento**

**List Number: 1**

**Creator: Simmons, Jason C**

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	1600996
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	
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 <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	