

ANALYTICAL REPORT

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Laboratory Job ID: 320-76233-1
Client Project/Site: PFAS Testing

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

Attn: Ty Fadness



Authorized for release by:
7/16/2021 1:39:32 PM

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

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



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Definitions/Glossary

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

Job ID: 320-76233-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
B	Compound was found in the blank and sample.
C	See Case Narrative
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

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

Case Narrative

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

Job ID: 320-76233-1

Job ID: 320-76233-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-76233-1

Comments

No additional comments.

Receipt

The samples were received on 7/15/2021 10:00 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 0.9° C.

Receipt Exceptions

The following samples have Trizma lot # 19310137: Sample 1, 2 & 5-12. Also sample 3A and 4B.

The following samples have Trizma lot # 19410205: Sample 3B and 4A.

LCMS

Method 537 (modified): The laboratory control sample duplicate (LCSD) for preparation batch 320-506900 and 320-506900 and analytical batch 320-507101 recovered below control limits for the following analyte: Perfluoro-n-octadecanoic acid (PFODA). This analyte was biased low in the LCSD and was not detected in the associated samples: Well 11 (320-76233-1), Well 11 FB (320-76233-2), Well 22 (320-76233-3), Well 22 FB (320-76233-4), Well 24 (320-76233-5), Well 24 FB (320-76233-6), Well 16 (320-76233-7), Well 16 FB (320-76233-8), Well 9 (320-76233-9), Well 9 FB (320-76233-10), Well 14 (320-76233-11) and (LCSD 320-506900/3-A). As a results, the data may be potentially low biased. The client was contacted and gave permission to report.

Method 537 (modified): The transition mass ratio for the indicated analyte was outside of the established ratio limit. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgment was used to positively identify the analyte: Well 9 (320-76233-9).

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

Organic Prep

Method 3535: The following samples were preserved with trizma: Well 11 (320-76233-1), Well 11 FB (320-76233-2), Well 22 (320-76233-3), Well 22 FB (320-76233-4), Well 24 (320-76233-5), Well 24 FB (320-76233-6), Well 16 (320-76233-7), Well 16 FB (320-76233-8), Well 9 (320-76233-9), Well 9 FB (320-76233-10), Well 14 (320-76233-11) and Well 14 FB (320-76233-12). Thus, the MB, LCS and LCSD also contain trizma. 3535_PFC Aqueous preparation batch 320-506900 and 320-506900

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-506900 and 320-506900. 3535_PFC 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: 320-76233-1

Client Sample ID: Well 11

Lab Sample ID: 320-76233-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	0.78	J	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.88	J	1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.7	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.5	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	16		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.28	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.0		1.9	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 11 FB

Lab Sample ID: 320-76233-2

No Detections.

Client Sample ID: Well 22

Lab Sample ID: 320-76233-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	10		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.2		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.9		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.6	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.8		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	6.0		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.5	J	1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	8.5		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.2		1.8	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 22 FB

Lab Sample ID: 320-76233-4

No Detections.

Client Sample ID: Well 24

Lab Sample ID: 320-76233-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.1		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.6		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.1		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.85	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.1		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	0.30	J B	1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.5		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	2.0		1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	13		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.34	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 24 FB

Lab Sample ID: 320-76233-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.29	J B	1.8	0.28	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Detection Summary

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

Job ID: 320-76233-1

Client Sample ID: Well 16

Lab Sample ID: 320-76233-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.3	J	4.4	2.1	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.0	J	1.7	0.43	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.1	J	1.7	0.51	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.3	J	1.7	0.74	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.2		1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.9		1.7	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	13		1.7	0.50	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.1		1.7	0.47	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 16 FB

Lab Sample ID: 320-76233-8

No Detections.

Client Sample ID: Well 9

Lab Sample ID: 320-76233-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.8	J	4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.57	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.26	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.41	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.96	J C	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.83	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 9 FB

Lab Sample ID: 320-76233-10

No Detections.

Client Sample ID: Well 14

Lab Sample ID: 320-76233-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	0.39	J	1.7	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	0.64	J	1.7	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.90	J	1.7	0.47	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 14 FB

Lab Sample ID: 320-76233-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorodecanoic acid (PFDA)	0.29	J B	1.7	0.27	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: 320-76233-1

Client Sample ID: Well 11
Date Collected: 07/14/21 09:34
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-1
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.7	2.2	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorohexanoic acid (PFHxA)	0.78	J	1.9	0.54	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.9	0.23	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorooctanoic acid (PFOA)	0.88	J	1.9	0.80	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.83		1.9	0.83	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.88	*	1.9	0.88	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorobutanesulfonic acid (PFBS)	1.7	J	1.9	0.19	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluoropentanesulfonic acid (PFPeS)	1.5	J	1.9	0.28	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorohexanesulfonic acid (PFHxS)	16		1.9	0.53	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.28	J	1.9	0.18	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorooctanesulfonic acid (PFOS)	8.0		1.9	0.51	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		07/15/21 12:06	07/15/21 19:53	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		07/15/21 12:06	07/15/21 19:53	1
NEtFOSA	<0.81		1.9	0.81	ng/L		07/15/21 12:06	07/15/21 19:53	1
NMeFOSA	<0.40		1.9	0.40	ng/L		07/15/21 12:06	07/15/21 19:53	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		07/15/21 12:06	07/15/21 19:53	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		07/15/21 12:06	07/15/21 19:53	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/15/21 12:06	07/15/21 19:53	1
NEtFOSE	<0.80		1.9	0.80	ng/L		07/15/21 12:06	07/15/21 19:53	1
4:2 FTS	<0.22		1.9	0.22	ng/L		07/15/21 12:06	07/15/21 19:53	1
6:2 FTS	<2.3		4.7	2.3	ng/L		07/15/21 12:06	07/15/21 19:53	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/15/21 12:06	07/15/21 19:53	1
10:2 FTS	<0.63		1.9	0.63	ng/L		07/15/21 12:06	07/15/21 19:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		07/15/21 12:06	07/15/21 19:53	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/15/21 12:06	07/15/21 19:53	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		07/15/21 12:06	07/15/21 19:53	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		07/15/21 12:06	07/15/21 19:53	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	57		25 - 150				07/15/21 12:06	07/15/21 19:53	1
13C5 PFPeA	63		25 - 150				07/15/21 12:06	07/15/21 19:53	1
13C2 PFHxA	62		25 - 150				07/15/21 12:06	07/15/21 19:53	1
13C4 PFHpA	71		25 - 150				07/15/21 12:06	07/15/21 19:53	1
13C4 PFOA	67		25 - 150				07/15/21 12:06	07/15/21 19:53	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 11

Lab Sample ID: 320-76233-1

Date Collected: 07/14/21 09:34

Matrix: Water

Date Received: 07/15/21 10:00

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C5 PFNA	66		25 - 150	07/15/21 12:06	07/15/21 19:53	1
13C2 PFDA	67		25 - 150	07/15/21 12:06	07/15/21 19:53	1
13C2 PFUnA	65		25 - 150	07/15/21 12:06	07/15/21 19:53	1
13C2 PFDoA	62		25 - 150	07/15/21 12:06	07/15/21 19:53	1
13C2 PFTeDA	55		25 - 150	07/15/21 12:06	07/15/21 19:53	1
13C2 PFHxDA	63		25 - 150	07/15/21 12:06	07/15/21 19:53	1
13C3 PFBS	77		25 - 150	07/15/21 12:06	07/15/21 19:53	1
18O2 PFHxS	68		25 - 150	07/15/21 12:06	07/15/21 19:53	1
13C4 PFOS	69		25 - 150	07/15/21 12:06	07/15/21 19:53	1
13C8 FOSA	70		10 - 150	07/15/21 12:06	07/15/21 19:53	1
d3-NMeFOSAA	57		25 - 150	07/15/21 12:06	07/15/21 19:53	1
d5-NEtFOSAA	63		25 - 150	07/15/21 12:06	07/15/21 19:53	1
d-N-MeFOSA-M	54		10 - 150	07/15/21 12:06	07/15/21 19:53	1
d-N-EtFOSA-M	54		10 - 150	07/15/21 12:06	07/15/21 19:53	1
d7-N-MeFOSE-M	49		10 - 150	07/15/21 12:06	07/15/21 19:53	1
d9-N-EtFOSE-M	52		10 - 150	07/15/21 12:06	07/15/21 19:53	1
M2-4:2 FTS	80		25 - 150	07/15/21 12:06	07/15/21 19:53	1
M2-6:2 FTS	83		25 - 150	07/15/21 12:06	07/15/21 19:53	1
M2-8:2 FTS	73		25 - 150	07/15/21 12:06	07/15/21 19:53	1
13C3 HFPO-DA	67		25 - 150	07/15/21 12:06	07/15/21 19:53	1
13C2 10:2 FTS	73		25 - 150	07/15/21 12:06	07/15/21 19:53	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 11 FB

Lab Sample ID: 320-76233-2

Date Collected: 07/14/21 09:35

Matrix: Water

Date Received: 07/15/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorohexanoic acid (PFHxA)	<0.52		1.8	0.52	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorooctanoic acid (PFOA)	<0.77		1.8	0.77	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.80		1.8	0.80	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.85 *		1.8	0.85	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorooctanesulfonic acid (PFOS)	<0.49		1.8	0.49	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		07/15/21 12:06	07/15/21 20:02	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		07/15/21 12:06	07/15/21 20:02	1
NEtFOSA	<0.78		1.8	0.78	ng/L		07/15/21 12:06	07/15/21 20:02	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/15/21 12:06	07/15/21 20:02	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		07/15/21 12:06	07/15/21 20:02	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		07/15/21 12:06	07/15/21 20:02	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/15/21 12:06	07/15/21 20:02	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/15/21 12:06	07/15/21 20:02	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/15/21 12:06	07/15/21 20:02	1
6:2 FTS	<2.3		4.5	2.3	ng/L		07/15/21 12:06	07/15/21 20:02	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/15/21 12:06	07/15/21 20:02	1
10:2 FTS	<0.60		1.8	0.60	ng/L		07/15/21 12:06	07/15/21 20:02	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		07/15/21 12:06	07/15/21 20:02	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/15/21 12:06	07/15/21 20:02	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		07/15/21 12:06	07/15/21 20:02	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		07/15/21 12:06	07/15/21 20:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150				07/15/21 12:06	07/15/21 20:02	1
13C5 PFPeA	72		25 - 150				07/15/21 12:06	07/15/21 20:02	1
13C2 PFHxA	71		25 - 150				07/15/21 12:06	07/15/21 20:02	1
13C4 PFHpA	77		25 - 150				07/15/21 12:06	07/15/21 20:02	1
13C4 PFOA	75		25 - 150				07/15/21 12:06	07/15/21 20:02	1
13C5 PFNA	76		25 - 150				07/15/21 12:06	07/15/21 20:02	1
13C2 PFDA	76		25 - 150				07/15/21 12:06	07/15/21 20:02	1
13C2 PFUnA	73		25 - 150				07/15/21 12:06	07/15/21 20:02	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 11 FB

Lab Sample ID: 320-76233-2

Date Collected: 07/14/21 09:35

Matrix: Water

Date Received: 07/15/21 10:00

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	71		25 - 150	07/15/21 12:06	07/15/21 20:02	1
13C2 PFTeDA	74		25 - 150	07/15/21 12:06	07/15/21 20:02	1
13C2 PFHxDA	75		25 - 150	07/15/21 12:06	07/15/21 20:02	1
13C3 PFBS	87		25 - 150	07/15/21 12:06	07/15/21 20:02	1
18O2 PFHxS	79		25 - 150	07/15/21 12:06	07/15/21 20:02	1
13C4 PFOS	79		25 - 150	07/15/21 12:06	07/15/21 20:02	1
13C8 FOSA	79		10 - 150	07/15/21 12:06	07/15/21 20:02	1
d3-NMeFOSAA	66		25 - 150	07/15/21 12:06	07/15/21 20:02	1
d5-NEtFOSAA	69		25 - 150	07/15/21 12:06	07/15/21 20:02	1
d-N-MeFOSA-M	59		10 - 150	07/15/21 12:06	07/15/21 20:02	1
d-N-EtFOSA-M	54		10 - 150	07/15/21 12:06	07/15/21 20:02	1
d7-N-MeFOSE-M	54		10 - 150	07/15/21 12:06	07/15/21 20:02	1
d9-N-EtFOSE-M	61		10 - 150	07/15/21 12:06	07/15/21 20:02	1
M2-4:2 FTS	76		25 - 150	07/15/21 12:06	07/15/21 20:02	1
M2-6:2 FTS	82		25 - 150	07/15/21 12:06	07/15/21 20:02	1
M2-8:2 FTS	85		25 - 150	07/15/21 12:06	07/15/21 20:02	1
13C3 HFPO-DA	75		25 - 150	07/15/21 12:06	07/15/21 20:02	1
13C2 10:2 FTS	84		25 - 150	07/15/21 12:06	07/15/21 20:02	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 22

Lab Sample ID: 320-76233-3

Date Collected: 07/14/21 09:42

Matrix: Water

Date Received: 07/15/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	10		4.6	2.2	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluoropentanoic acid (PFPeA)	4.2		1.8	0.45	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorohexanoic acid (PFHxA)	3.9		1.8	0.53	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluoroheptanoic acid (PFHpA)	1.6	J	1.8	0.23	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorooctanoic acid (PFOA)	4.8		1.8	0.77	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.81		1.8	0.81	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.86	*	1.8	0.86	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorobutanesulfonic acid (PFBS)	6.0		1.8	0.18	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluoropentanesulfonic acid (PFPeS)	1.5	J	1.8	0.27	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorohexanesulfonic acid (PFHxS)	8.5		1.8	0.52	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorooctanesulfonic acid (PFOS)	2.2		1.8	0.49	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		07/15/21 12:08	07/15/21 20:11	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		07/15/21 12:08	07/15/21 20:11	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/15/21 12:08	07/15/21 20:11	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/15/21 12:08	07/15/21 20:11	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		07/15/21 12:08	07/15/21 20:11	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		07/15/21 12:08	07/15/21 20:11	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/15/21 12:08	07/15/21 20:11	1
NEtFOSE	<0.77		1.8	0.77	ng/L		07/15/21 12:08	07/15/21 20:11	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/15/21 12:08	07/15/21 20:11	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/15/21 12:08	07/15/21 20:11	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/15/21 12:08	07/15/21 20:11	1
10:2 FTS	<0.61		1.8	0.61	ng/L		07/15/21 12:08	07/15/21 20:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		07/15/21 12:08	07/15/21 20:11	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		07/15/21 12:08	07/15/21 20:11	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		07/15/21 12:08	07/15/21 20:11	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		07/15/21 12:08	07/15/21 20:11	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150				07/15/21 12:08	07/15/21 20:11	1
13C5 PFPeA	77		25 - 150				07/15/21 12:08	07/15/21 20:11	1
13C2 PFHxA	77		25 - 150				07/15/21 12:08	07/15/21 20:11	1
13C4 PFHpA	79		25 - 150				07/15/21 12:08	07/15/21 20:11	1
13C4 PFOA	77		25 - 150				07/15/21 12:08	07/15/21 20:11	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 22
Date Collected: 07/14/21 09:42
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-3
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	79		25 - 150	07/15/21 12:08	07/15/21 20:11	1
13C2 PFDA	76		25 - 150	07/15/21 12:08	07/15/21 20:11	1
13C2 PFUnA	74		25 - 150	07/15/21 12:08	07/15/21 20:11	1
13C2 PFDoA	70		25 - 150	07/15/21 12:08	07/15/21 20:11	1
13C2 PFTeDA	81		25 - 150	07/15/21 12:08	07/15/21 20:11	1
13C2 PFHxDA	75		25 - 150	07/15/21 12:08	07/15/21 20:11	1
13C3 PFBS	88		25 - 150	07/15/21 12:08	07/15/21 20:11	1
18O2 PFHxS	81		25 - 150	07/15/21 12:08	07/15/21 20:11	1
13C4 PFOS	83		25 - 150	07/15/21 12:08	07/15/21 20:11	1
13C8 FOSA	83		10 - 150	07/15/21 12:08	07/15/21 20:11	1
d3-NMeFOSAA	69		25 - 150	07/15/21 12:08	07/15/21 20:11	1
d5-NEtFOSAA	75		25 - 150	07/15/21 12:08	07/15/21 20:11	1
d-N-MeFOSA-M	63		10 - 150	07/15/21 12:08	07/15/21 20:11	1
d-N-EtFOSA-M	62		10 - 150	07/15/21 12:08	07/15/21 20:11	1
d7-N-MeFOSE-M	66		10 - 150	07/15/21 12:08	07/15/21 20:11	1
d9-N-EtFOSE-M	62		10 - 150	07/15/21 12:08	07/15/21 20:11	1
M2-4:2 FTS	84		25 - 150	07/15/21 12:08	07/15/21 20:11	1
M2-6:2 FTS	92		25 - 150	07/15/21 12:08	07/15/21 20:11	1
M2-8:2 FTS	91		25 - 150	07/15/21 12:08	07/15/21 20:11	1
13C3 HFPO-DA	78		25 - 150	07/15/21 12:08	07/15/21 20:11	1
13C2 10:2 FTS	89		25 - 150	07/15/21 12:08	07/15/21 20:11	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 22 FB

Lab Sample ID: 320-76233-4

Date Collected: 07/14/21 09:43

Matrix: Water

Date Received: 07/15/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.3	2.1	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorooctanoic acid (PFOA)	<0.74		1.7	0.74	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.77		1.7	0.77	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.82 *		1.7	0.82	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorohexanesulfonic acid (PFHxS)	<0.49		1.7	0.49	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		07/15/21 12:08	07/15/21 20:20	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		07/15/21 12:08	07/15/21 20:20	1
NEtFOSA	<0.75		1.7	0.75	ng/L		07/15/21 12:08	07/15/21 20:20	1
NMeFOSA	<0.37		1.7	0.37	ng/L		07/15/21 12:08	07/15/21 20:20	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		07/15/21 12:08	07/15/21 20:20	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		07/15/21 12:08	07/15/21 20:20	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/15/21 12:08	07/15/21 20:20	1
NEtFOSE	<0.74		1.7	0.74	ng/L		07/15/21 12:08	07/15/21 20:20	1
4:2 FTS	<0.21		1.7	0.21	ng/L		07/15/21 12:08	07/15/21 20:20	1
6:2 FTS	<2.2		4.3	2.2	ng/L		07/15/21 12:08	07/15/21 20:20	1
8:2 FTS	<0.40		1.7	0.40	ng/L		07/15/21 12:08	07/15/21 20:20	1
10:2 FTS	<0.58		1.7	0.58	ng/L		07/15/21 12:08	07/15/21 20:20	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		07/15/21 12:08	07/15/21 20:20	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/15/21 12:08	07/15/21 20:20	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		07/15/21 12:08	07/15/21 20:20	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		07/15/21 12:08	07/15/21 20:20	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	66		25 - 150				07/15/21 12:08	07/15/21 20:20	1
13C5 PFPeA	63		25 - 150				07/15/21 12:08	07/15/21 20:20	1
13C2 PFHxA	61		25 - 150				07/15/21 12:08	07/15/21 20:20	1
13C4 PFHpA	68		25 - 150				07/15/21 12:08	07/15/21 20:20	1
13C4 PFOA	66		25 - 150				07/15/21 12:08	07/15/21 20:20	1
13C5 PFNA	67		25 - 150				07/15/21 12:08	07/15/21 20:20	1
13C2 PFDA	62		25 - 150				07/15/21 12:08	07/15/21 20:20	1
13C2 PFUnA	60		25 - 150				07/15/21 12:08	07/15/21 20:20	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 22 FB

Lab Sample ID: 320-76233-4

Date Collected: 07/14/21 09:43

Matrix: Water

Date Received: 07/15/21 10:00

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	68		25 - 150	07/15/21 12:08	07/15/21 20:20	1
13C2 PFTeDA	66		25 - 150	07/15/21 12:08	07/15/21 20:20	1
13C2 PFHxDA	59		25 - 150	07/15/21 12:08	07/15/21 20:20	1
13C3 PFBS	77		25 - 150	07/15/21 12:08	07/15/21 20:20	1
18O2 PFHxS	69		25 - 150	07/15/21 12:08	07/15/21 20:20	1
13C4 PFOS	67		25 - 150	07/15/21 12:08	07/15/21 20:20	1
13C8 FOSA	66		10 - 150	07/15/21 12:08	07/15/21 20:20	1
d3-NMeFOSAA	58		25 - 150	07/15/21 12:08	07/15/21 20:20	1
d5-NEtFOSAA	64		25 - 150	07/15/21 12:08	07/15/21 20:20	1
d-N-MeFOSA-M	44		10 - 150	07/15/21 12:08	07/15/21 20:20	1
d-N-EtFOSA-M	44		10 - 150	07/15/21 12:08	07/15/21 20:20	1
d7-N-MeFOSE-M	49		10 - 150	07/15/21 12:08	07/15/21 20:20	1
d9-N-EtFOSE-M	47		10 - 150	07/15/21 12:08	07/15/21 20:20	1
M2-4:2 FTS	62		25 - 150	07/15/21 12:08	07/15/21 20:20	1
M2-6:2 FTS	72		25 - 150	07/15/21 12:08	07/15/21 20:20	1
M2-8:2 FTS	72		25 - 150	07/15/21 12:08	07/15/21 20:20	1
13C3 HFPO-DA	66		25 - 150	07/15/21 12:08	07/15/21 20:20	1
13C2 10:2 FTS	74		25 - 150	07/15/21 12:08	07/15/21 20:20	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 24

Lab Sample ID: 320-76233-5

Date Collected: 07/14/21 09:51

Matrix: Water

Date Received: 07/15/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.1		4.6	2.2	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluoropentanoic acid (PFPeA)	2.6		1.8	0.45	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorohexanoic acid (PFHxA)	4.1		1.8	0.53	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluoroheptanoic acid (PFHpA)	0.85	J	1.8	0.23	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorooctanoic acid (PFOA)	3.1		1.8	0.78	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorodecanoic acid (PFDA)	0.30	J B	1.8	0.28	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.81		1.8	0.81	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.86	*	1.8	0.86	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorobutanesulfonic acid (PFBS)	2.5		1.8	0.18	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluoropentanesulfonic acid (PFPeS)	2.0		1.8	0.27	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorohexanesulfonic acid (PFHxS)	13		1.8	0.52	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.34	J	1.8	0.17	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8	0.49	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		07/15/21 12:08	07/15/21 20:29	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		07/15/21 12:08	07/15/21 20:29	1
NEtFOSA	<0.79		1.8	0.79	ng/L		07/15/21 12:08	07/15/21 20:29	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/15/21 12:08	07/15/21 20:29	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		07/15/21 12:08	07/15/21 20:29	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		07/15/21 12:08	07/15/21 20:29	1
NMeFOSE	<1.3		3.7	1.3	ng/L		07/15/21 12:08	07/15/21 20:29	1
NEtFOSE	<0.78		1.8	0.78	ng/L		07/15/21 12:08	07/15/21 20:29	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/15/21 12:08	07/15/21 20:29	1
6:2 FTS	<2.3		4.6	2.3	ng/L		07/15/21 12:08	07/15/21 20:29	1
8:2 FTS	<0.42		1.8	0.42	ng/L		07/15/21 12:08	07/15/21 20:29	1
10:2 FTS	<0.61		1.8	0.61	ng/L		07/15/21 12:08	07/15/21 20:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		07/15/21 12:08	07/15/21 20:29	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		07/15/21 12:08	07/15/21 20:29	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		07/15/21 12:08	07/15/21 20:29	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		07/15/21 12:08	07/15/21 20:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	74		25 - 150				07/15/21 12:08	07/15/21 20:29	1
13C5 PFPeA	81		25 - 150				07/15/21 12:08	07/15/21 20:29	1
13C2 PFHxA	79		25 - 150				07/15/21 12:08	07/15/21 20:29	1
13C4 PFHpA	86		25 - 150				07/15/21 12:08	07/15/21 20:29	1
13C4 PFOA	81		25 - 150				07/15/21 12:08	07/15/21 20:29	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 24

Lab Sample ID: 320-76233-5

Date Collected: 07/14/21 09:51

Matrix: Water

Date Received: 07/15/21 10:00

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	84		25 - 150	07/15/21 12:08	07/15/21 20:29	1
13C2 PFDA	79		25 - 150	07/15/21 12:08	07/15/21 20:29	1
13C2 PFUnA	78		25 - 150	07/15/21 12:08	07/15/21 20:29	1
13C2 PFDoA	82		25 - 150	07/15/21 12:08	07/15/21 20:29	1
13C2 PFTeDA	78		25 - 150	07/15/21 12:08	07/15/21 20:29	1
13C2 PFHxDA	80		25 - 150	07/15/21 12:08	07/15/21 20:29	1
13C3 PFBS	95		25 - 150	07/15/21 12:08	07/15/21 20:29	1
18O2 PFHxS	83		25 - 150	07/15/21 12:08	07/15/21 20:29	1
13C4 PFOS	87		25 - 150	07/15/21 12:08	07/15/21 20:29	1
13C8 FOSA	87		10 - 150	07/15/21 12:08	07/15/21 20:29	1
d3-NMeFOSAA	75		25 - 150	07/15/21 12:08	07/15/21 20:29	1
d5-NEtFOSAA	79		25 - 150	07/15/21 12:08	07/15/21 20:29	1
d-N-MeFOSA-M	67		10 - 150	07/15/21 12:08	07/15/21 20:29	1
d-N-EtFOSA-M	67		10 - 150	07/15/21 12:08	07/15/21 20:29	1
d7-N-MeFOSE-M	63		10 - 150	07/15/21 12:08	07/15/21 20:29	1
d9-N-EtFOSE-M	71		10 - 150	07/15/21 12:08	07/15/21 20:29	1
M2-4:2 FTS	86		25 - 150	07/15/21 12:08	07/15/21 20:29	1
M2-6:2 FTS	97		25 - 150	07/15/21 12:08	07/15/21 20:29	1
M2-8:2 FTS	90		25 - 150	07/15/21 12:08	07/15/21 20:29	1
13C3 HFPO-DA	83		25 - 150	07/15/21 12:08	07/15/21 20:29	1
13C2 10:2 FTS	93		25 - 150	07/15/21 12:08	07/15/21 20:29	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 24 FB

Lab Sample ID: 320-76233-6

Date Collected: 07/14/21 09:52

Matrix: Water

Date Received: 07/15/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.5	2.2	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluoropentanoic acid (PFPeA)	<0.44		1.8	0.44	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorohexanoic acid (PFHxA)	<0.52		1.8	0.52	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorooctanoic acid (PFOA)	<0.76		1.8	0.76	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorodecanoic acid (PFDA)	0.29	J B	1.8	0.28	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.8	1.2	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.80		1.8	0.80	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.84 *		1.8	0.84	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluoropentanesulfonic acid (PFPeS)	<0.27		1.8	0.27	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorohexanesulfonic acid (PFHxS)	<0.51		1.8	0.51	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorododecanesulfonic acid (PFDoS)	<0.87		1.8	0.87	ng/L		07/15/21 12:08	07/15/21 20:38	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		07/15/21 12:08	07/15/21 20:38	1
NEtFOSA	<0.78		1.8	0.78	ng/L		07/15/21 12:08	07/15/21 20:38	1
NMeFOSA	<0.39		1.8	0.39	ng/L		07/15/21 12:08	07/15/21 20:38	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		07/15/21 12:08	07/15/21 20:38	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		07/15/21 12:08	07/15/21 20:38	1
NMeFOSE	<1.3		3.6	1.3	ng/L		07/15/21 12:08	07/15/21 20:38	1
NEtFOSE	<0.76		1.8	0.76	ng/L		07/15/21 12:08	07/15/21 20:38	1
4:2 FTS	<0.22		1.8	0.22	ng/L		07/15/21 12:08	07/15/21 20:38	1
6:2 FTS	<2.2		4.5	2.2	ng/L		07/15/21 12:08	07/15/21 20:38	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/15/21 12:08	07/15/21 20:38	1
10:2 FTS	<0.60		1.8	0.60	ng/L		07/15/21 12:08	07/15/21 20:38	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		07/15/21 12:08	07/15/21 20:38	1
HFPO-DA (GenX)	<1.3		3.6	1.3	ng/L		07/15/21 12:08	07/15/21 20:38	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		07/15/21 12:08	07/15/21 20:38	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		07/15/21 12:08	07/15/21 20:38	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C5 PFPeA	87		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C2 PFHxA	90		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C4 PFHpA	88		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C4 PFOA	87		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C5 PFNA	88		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C2 PFDA	84		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C2 PFUnA	90		25 - 150	07/15/21 12:08	07/15/21 20:38	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 24 FB

Lab Sample ID: 320-76233-6

Date Collected: 07/14/21 09:52

Matrix: Water

Date Received: 07/15/21 10:00

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	92		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C2 PFTeDA	85		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C2 PFHxDA	83		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C3 PFBS	109		25 - 150	07/15/21 12:08	07/15/21 20:38	1
18O2 PFHxS	97		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C4 PFOS	92		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C8 FOSA	93		10 - 150	07/15/21 12:08	07/15/21 20:38	1
d3-NMeFOSAA	76		25 - 150	07/15/21 12:08	07/15/21 20:38	1
d5-NEtFOSAA	83		25 - 150	07/15/21 12:08	07/15/21 20:38	1
d-N-MeFOSA-M	61		10 - 150	07/15/21 12:08	07/15/21 20:38	1
d-N-EtFOSA-M	61		10 - 150	07/15/21 12:08	07/15/21 20:38	1
d7-N-MeFOSE-M	71		10 - 150	07/15/21 12:08	07/15/21 20:38	1
d9-N-EtFOSE-M	68		10 - 150	07/15/21 12:08	07/15/21 20:38	1
M2-4:2 FTS	85		25 - 150	07/15/21 12:08	07/15/21 20:38	1
M2-6:2 FTS	96		25 - 150	07/15/21 12:08	07/15/21 20:38	1
M2-8:2 FTS	105		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C3 HFPO-DA	89		25 - 150	07/15/21 12:08	07/15/21 20:38	1
13C2 10:2 FTS	101		25 - 150	07/15/21 12:08	07/15/21 20:38	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 16

Lab Sample ID: 320-76233-7

Date Collected: 07/14/21 10:01

Matrix: Water

Date Received: 07/15/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.3	J	4.4	2.1	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluoropentanoic acid (PFPeA)	1.0	J	1.7	0.43	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorohexanoic acid (PFHxA)	1.1	J	1.7	0.51	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorooctanoic acid (PFOA)	1.3	J	1.7	0.74	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorononanoic acid (PFNA)	<0.24		1.7	0.24	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluoroundecanoic acid (PFUnA)	<0.96		1.7	0.96	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.7	0.64	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.78		1.7	0.78	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.82	*	1.7	0.82	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorobutanesulfonic acid (PFBS)	2.2		1.7	0.17	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluoropentanesulfonic acid (PFPeS)	1.9		1.7	0.26	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorohexanesulfonic acid (PFHxS)	13		1.7	0.50	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	0.22	J	1.7	0.17	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorooctanesulfonic acid (PFOS)	3.1		1.7	0.47	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		07/15/21 12:08	07/15/21 20:48	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		07/15/21 12:08	07/15/21 20:48	1
NEtFOSA	<0.76		1.7	0.76	ng/L		07/15/21 12:08	07/15/21 20:48	1
NMeFOSA	<0.37		1.7	0.37	ng/L		07/15/21 12:08	07/15/21 20:48	1
NMeFOSAA	<1.0		4.4	1.0	ng/L		07/15/21 12:08	07/15/21 20:48	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		07/15/21 12:08	07/15/21 20:48	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/15/21 12:08	07/15/21 20:48	1
NEtFOSE	<0.74		1.7	0.74	ng/L		07/15/21 12:08	07/15/21 20:48	1
4:2 FTS	<0.21		1.7	0.21	ng/L		07/15/21 12:08	07/15/21 20:48	1
6:2 FTS	<2.2		4.4	2.2	ng/L		07/15/21 12:08	07/15/21 20:48	1
8:2 FTS	<0.40		1.7	0.40	ng/L		07/15/21 12:08	07/15/21 20:48	1
10:2 FTS	<0.58		1.7	0.58	ng/L		07/15/21 12:08	07/15/21 20:48	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		07/15/21 12:08	07/15/21 20:48	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/15/21 12:08	07/15/21 20:48	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		07/15/21 12:08	07/15/21 20:48	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		07/15/21 12:08	07/15/21 20:48	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150				07/15/21 12:08	07/15/21 20:48	1
13C5 PFPeA	95		25 - 150				07/15/21 12:08	07/15/21 20:48	1
13C2 PFHxA	95		25 - 150				07/15/21 12:08	07/15/21 20:48	1
13C4 PFHpA	100		25 - 150				07/15/21 12:08	07/15/21 20:48	1
13C4 PFOA	99		25 - 150				07/15/21 12:08	07/15/21 20:48	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 16

Lab Sample ID: 320-76233-7

Date Collected: 07/14/21 10:01

Matrix: Water

Date Received: 07/15/21 10:00

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C5 PFNA	99		25 - 150	07/15/21 12:08	07/15/21 20:48	1
13C2 PFDA	87		25 - 150	07/15/21 12:08	07/15/21 20:48	1
13C2 PFUnA	97		25 - 150	07/15/21 12:08	07/15/21 20:48	1
13C2 PFDoA	99		25 - 150	07/15/21 12:08	07/15/21 20:48	1
13C2 PFTeDA	90		25 - 150	07/15/21 12:08	07/15/21 20:48	1
13C2 PFHxDA	88		25 - 150	07/15/21 12:08	07/15/21 20:48	1
13C3 PFBS	114		25 - 150	07/15/21 12:08	07/15/21 20:48	1
18O2 PFHxS	107		25 - 150	07/15/21 12:08	07/15/21 20:48	1
13C4 PFOS	102		25 - 150	07/15/21 12:08	07/15/21 20:48	1
13C8 FOSA	105		10 - 150	07/15/21 12:08	07/15/21 20:48	1
d3-NMeFOSAA	88		25 - 150	07/15/21 12:08	07/15/21 20:48	1
d5-NEtFOSAA	97		25 - 150	07/15/21 12:08	07/15/21 20:48	1
d-N-MeFOSA-M	80		10 - 150	07/15/21 12:08	07/15/21 20:48	1
d-N-EtFOSA-M	77		10 - 150	07/15/21 12:08	07/15/21 20:48	1
d7-N-MeFOSE-M	82		10 - 150	07/15/21 12:08	07/15/21 20:48	1
d9-N-EtFOSE-M	80		10 - 150	07/15/21 12:08	07/15/21 20:48	1
M2-4:2 FTS	108		25 - 150	07/15/21 12:08	07/15/21 20:48	1
M2-6:2 FTS	121		25 - 150	07/15/21 12:08	07/15/21 20:48	1
M2-8:2 FTS	103		25 - 150	07/15/21 12:08	07/15/21 20:48	1
13C3 HFPO-DA	97		25 - 150	07/15/21 12:08	07/15/21 20:48	1
13C2 10:2 FTS	115		25 - 150	07/15/21 12:08	07/15/21 20:48	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 16 FB

Lab Sample ID: 320-76233-8

Date Collected: 07/14/21 10:02

Matrix: Water

Date Received: 07/15/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.3	2.1	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorooctanoic acid (PFOA)	<0.73		1.7	0.73	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorododecanoic acid (PFDoA)	<0.47		1.7	0.47	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.77		1.7	0.77	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.81 *		1.7	0.81	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorohexanesulfonic acid (PFHxS)	<0.49		1.7	0.49	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		07/15/21 12:08	07/16/21 06:18	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		07/15/21 12:08	07/16/21 06:18	1
NEtFOSA	<0.75		1.7	0.75	ng/L		07/15/21 12:08	07/16/21 06:18	1
NMeFOSA	<0.37		1.7	0.37	ng/L		07/15/21 12:08	07/16/21 06:18	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		07/15/21 12:08	07/16/21 06:18	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		07/15/21 12:08	07/16/21 06:18	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/15/21 12:08	07/16/21 06:18	1
NEtFOSE	<0.73		1.7	0.73	ng/L		07/15/21 12:08	07/16/21 06:18	1
4:2 FTS	<0.21		1.7	0.21	ng/L		07/15/21 12:08	07/16/21 06:18	1
6:2 FTS	<2.2		4.3	2.2	ng/L		07/15/21 12:08	07/16/21 06:18	1
8:2 FTS	<0.40		1.7	0.40	ng/L		07/15/21 12:08	07/16/21 06:18	1
10:2 FTS	<0.58		1.7	0.58	ng/L		07/15/21 12:08	07/16/21 06:18	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		07/15/21 12:08	07/16/21 06:18	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/15/21 12:08	07/16/21 06:18	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		07/15/21 12:08	07/16/21 06:18	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		07/15/21 12:08	07/16/21 06:18	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	107		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C5 PFPeA	101		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C2 PFHxA	100		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C4 PFHpA	112		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C4 PFOA	104		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C5 PFNA	107		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C2 PFDA	107		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C2 PFUnA	107		25 - 150	07/15/21 12:08	07/16/21 06:18	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 16 FB

Lab Sample ID: 320-76233-8

Date Collected: 07/14/21 10:02

Matrix: Water

Date Received: 07/15/21 10:00

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	107		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C2 PFTeDA	111		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C2 PFHxDA	102		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C3 PFBS	117		25 - 150	07/15/21 12:08	07/16/21 06:18	1
18O2 PFHxS	108		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C4 PFOS	103		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C8 FOSA	111		10 - 150	07/15/21 12:08	07/16/21 06:18	1
d3-NMeFOSAA	100		25 - 150	07/15/21 12:08	07/16/21 06:18	1
d5-NEtFOSAA	112		25 - 150	07/15/21 12:08	07/16/21 06:18	1
d-N-MeFOSA-M	89		10 - 150	07/15/21 12:08	07/16/21 06:18	1
d-N-EtFOSA-M	90		10 - 150	07/15/21 12:08	07/16/21 06:18	1
d7-N-MeFOSE-M	95		10 - 150	07/15/21 12:08	07/16/21 06:18	1
d9-N-EtFOSE-M	98		10 - 150	07/15/21 12:08	07/16/21 06:18	1
M2-4:2 FTS	83		25 - 150	07/15/21 12:08	07/16/21 06:18	1
M2-6:2 FTS	101		25 - 150	07/15/21 12:08	07/16/21 06:18	1
M2-8:2 FTS	104		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C3 HFPO-DA	98		25 - 150	07/15/21 12:08	07/16/21 06:18	1
13C2 10:2 FTS	109		25 - 150	07/15/21 12:08	07/16/21 06:18	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 9
Date Collected: 07/14/21 10:10
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-9
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.8	J	4.7	2.3	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorohexanoic acid (PFHxA)	0.57	J	1.9	0.55	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluoroheptanoic acid (PFHpA)	0.26	J	1.9	0.24	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.84		1.9	0.84	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.89	*	1.9	0.89	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorobutanesulfonic acid (PFBS)	0.41	J	1.9	0.19	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorohexanesulfonic acid (PFHxS)	0.96	J C	1.9	0.54	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorooctanesulfonic acid (PFOS)	0.83	J	1.9	0.51	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		07/15/21 12:08	07/15/21 21:33	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		07/15/21 12:08	07/15/21 21:33	1
NEtFOSA	<0.82		1.9	0.82	ng/L		07/15/21 12:08	07/15/21 21:33	1
NMeFOSA	<0.41		1.9	0.41	ng/L		07/15/21 12:08	07/15/21 21:33	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		07/15/21 12:08	07/15/21 21:33	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		07/15/21 12:08	07/15/21 21:33	1
NMeFOSE	<1.3		3.8	1.3	ng/L		07/15/21 12:08	07/15/21 21:33	1
NEtFOSE	<0.80		1.9	0.80	ng/L		07/15/21 12:08	07/15/21 21:33	1
4:2 FTS	<0.23		1.9	0.23	ng/L		07/15/21 12:08	07/15/21 21:33	1
6:2 FTS	<2.4		4.7	2.4	ng/L		07/15/21 12:08	07/15/21 21:33	1
8:2 FTS	<0.43		1.9	0.43	ng/L		07/15/21 12:08	07/15/21 21:33	1
10:2 FTS	<0.63		1.9	0.63	ng/L		07/15/21 12:08	07/15/21 21:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		07/15/21 12:08	07/15/21 21:33	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		07/15/21 12:08	07/15/21 21:33	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		07/15/21 12:08	07/15/21 21:33	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		07/15/21 12:08	07/15/21 21:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	53		25 - 150				07/15/21 12:08	07/15/21 21:33	1
13C5 PFPeA	64		25 - 150				07/15/21 12:08	07/15/21 21:33	1
13C2 PFHxA	65		25 - 150				07/15/21 12:08	07/15/21 21:33	1
13C4 PFHpA	70		25 - 150				07/15/21 12:08	07/15/21 21:33	1
13C4 PFOA	67		25 - 150				07/15/21 12:08	07/15/21 21:33	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 9
Date Collected: 07/14/21 10:10
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-9
Matrix: Water

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C5 PFNA	69		25 - 150	07/15/21 12:08	07/15/21 21:33	1
13C2 PFDA	64		25 - 150	07/15/21 12:08	07/15/21 21:33	1
13C2 PFUnA	65		25 - 150	07/15/21 12:08	07/15/21 21:33	1
13C2 PFDoA	72		25 - 150	07/15/21 12:08	07/15/21 21:33	1
13C2 PFTeDA	69		25 - 150	07/15/21 12:08	07/15/21 21:33	1
13C2 PFHxDA	72		25 - 150	07/15/21 12:08	07/15/21 21:33	1
13C3 PFBS	81		25 - 150	07/15/21 12:08	07/15/21 21:33	1
18O2 PFHxS	73		25 - 150	07/15/21 12:08	07/15/21 21:33	1
13C4 PFOS	71		25 - 150	07/15/21 12:08	07/15/21 21:33	1
13C8 FOSA	67		10 - 150	07/15/21 12:08	07/15/21 21:33	1
d3-NMeFOSAA	59		25 - 150	07/15/21 12:08	07/15/21 21:33	1
d5-NEtFOSAA	65		25 - 150	07/15/21 12:08	07/15/21 21:33	1
d-N-MeFOSA-M	49		10 - 150	07/15/21 12:08	07/15/21 21:33	1
d-N-EtFOSA-M	50		10 - 150	07/15/21 12:08	07/15/21 21:33	1
d7-N-MeFOSE-M	47		10 - 150	07/15/21 12:08	07/15/21 21:33	1
d9-N-EtFOSE-M	51		10 - 150	07/15/21 12:08	07/15/21 21:33	1
M2-4:2 FTS	74		25 - 150	07/15/21 12:08	07/15/21 21:33	1
M2-6:2 FTS	76		25 - 150	07/15/21 12:08	07/15/21 21:33	1
M2-8:2 FTS	75		25 - 150	07/15/21 12:08	07/15/21 21:33	1
13C3 HFPO-DA	68		25 - 150	07/15/21 12:08	07/15/21 21:33	1
13C2 10:2 FTS	75		25 - 150	07/15/21 12:08	07/15/21 21:33	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 9 FB

Lab Sample ID: 320-76233-10

Date Collected: 07/14/21 10:11

Matrix: Water

Date Received: 07/15/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.4	2.1	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluoropentanoic acid (PFPeA)	<0.43		1.8	0.43	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorohexanoic acid (PFHxA)	<0.51		1.8	0.51	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.8	0.22	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorooctanoic acid (PFOA)	<0.75		1.8	0.75	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorodecanoic acid (PFDA)	<0.27		1.8	0.27	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluoroundecanoic acid (PFUnA)	<0.97		1.8	0.97	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorododecanoic acid (PFDoA)	<0.49		1.8	0.49	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.8	1.1	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorotetradecanoic acid (PFTeA)	<0.64		1.8	0.64	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.79		1.8	0.79	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.83 *		1.8	0.83	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.8	0.26	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorohexanesulfonic acid (PFHxS)	<0.50		1.8	0.50	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.17		1.8	0.17	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorooctanesulfonic acid (PFOS)	<0.48		1.8	0.48	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.8	0.28	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorododecanesulfonic acid (PFDoS)	<0.86		1.8	0.86	ng/L		07/15/21 12:08	07/16/21 06:27	1
Perfluorooctanesulfonamide (FOSA)	<0.86		1.8	0.86	ng/L		07/15/21 12:08	07/16/21 06:27	1
NEtFOSA	<0.77		1.8	0.77	ng/L		07/15/21 12:08	07/16/21 06:27	1
NMeFOSA	<0.38		1.8	0.38	ng/L		07/15/21 12:08	07/16/21 06:27	1
NMeFOSAA	<1.1		4.4	1.1	ng/L		07/15/21 12:08	07/16/21 06:27	1
NEtFOSAA	<1.1		4.4	1.1	ng/L		07/15/21 12:08	07/16/21 06:27	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/15/21 12:08	07/16/21 06:27	1
NEtFOSE	<0.75		1.8	0.75	ng/L		07/15/21 12:08	07/16/21 06:27	1
4:2 FTS	<0.21		1.8	0.21	ng/L		07/15/21 12:08	07/16/21 06:27	1
6:2 FTS	<2.2		4.4	2.2	ng/L		07/15/21 12:08	07/16/21 06:27	1
8:2 FTS	<0.41		1.8	0.41	ng/L		07/15/21 12:08	07/16/21 06:27	1
10:2 FTS	<0.59		1.8	0.59	ng/L		07/15/21 12:08	07/16/21 06:27	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.8	0.35	ng/L		07/15/21 12:08	07/16/21 06:27	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/15/21 12:08	07/16/21 06:27	1
9Cl-PF3ONS	<0.21		1.8	0.21	ng/L		07/15/21 12:08	07/16/21 06:27	1
11Cl-PF3OUdS	<0.28		1.8	0.28	ng/L		07/15/21 12:08	07/16/21 06:27	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150				07/15/21 12:08	07/16/21 06:27	1
13C5 PFPeA	97		25 - 150				07/15/21 12:08	07/16/21 06:27	1
13C2 PFHxA	93		25 - 150				07/15/21 12:08	07/16/21 06:27	1
13C4 PFHpA	104		25 - 150				07/15/21 12:08	07/16/21 06:27	1
13C4 PFOA	106		25 - 150				07/15/21 12:08	07/16/21 06:27	1
13C5 PFNA	99		25 - 150				07/15/21 12:08	07/16/21 06:27	1
13C2 PFDA	96		25 - 150				07/15/21 12:08	07/16/21 06:27	1
13C2 PFUnA	99		25 - 150				07/15/21 12:08	07/16/21 06:27	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 9 FB

Lab Sample ID: 320-76233-10

Date Collected: 07/14/21 10:11

Matrix: Water

Date Received: 07/15/21 10:00

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	98		25 - 150	07/15/21 12:08	07/16/21 06:27	1
13C2 PFTeDA	105		25 - 150	07/15/21 12:08	07/16/21 06:27	1
13C2 PFHxDA	104		25 - 150	07/15/21 12:08	07/16/21 06:27	1
13C3 PFBS	115		25 - 150	07/15/21 12:08	07/16/21 06:27	1
18O2 PFHxS	106		25 - 150	07/15/21 12:08	07/16/21 06:27	1
13C4 PFOS	103		25 - 150	07/15/21 12:08	07/16/21 06:27	1
13C8 FOSA	109		10 - 150	07/15/21 12:08	07/16/21 06:27	1
d3-NMeFOSAA	94		25 - 150	07/15/21 12:08	07/16/21 06:27	1
d5-NEtFOSAA	106		25 - 150	07/15/21 12:08	07/16/21 06:27	1
d-N-MeFOSA-M	79		10 - 150	07/15/21 12:08	07/16/21 06:27	1
d-N-EtFOSA-M	78		10 - 150	07/15/21 12:08	07/16/21 06:27	1
d7-N-MeFOSE-M	93		10 - 150	07/15/21 12:08	07/16/21 06:27	1
d9-N-EtFOSE-M	94		10 - 150	07/15/21 12:08	07/16/21 06:27	1
M2-4:2 FTS	81		25 - 150	07/15/21 12:08	07/16/21 06:27	1
M2-6:2 FTS	101		25 - 150	07/15/21 12:08	07/16/21 06:27	1
M2-8:2 FTS	107		25 - 150	07/15/21 12:08	07/16/21 06:27	1
13C3 HFPO-DA	96		25 - 150	07/15/21 12:08	07/16/21 06:27	1
13C2 10:2 FTS	113		25 - 150	07/15/21 12:08	07/16/21 06:27	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 14
Date Collected: 07/14/21 10:20
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-11
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.3	2.1	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorooctanoic acid (PFOA)	<0.73		1.7	0.73	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorodecanoic acid (PFDA)	<0.27		1.7	0.27	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.77		1.7	0.77	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.81 *		1.7	0.81	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorobutanesulfonic acid (PFBS)	0.39	J	1.7	0.17	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorohexanesulfonic acid (PFHxS)	0.64	J	1.7	0.49	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorooctanesulfonic acid (PFOS)	0.90	J	1.7	0.47	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		07/15/21 12:08	07/16/21 06:36	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		07/15/21 12:08	07/16/21 06:36	1
NEtFOSA	<0.75		1.7	0.75	ng/L		07/15/21 12:08	07/16/21 06:36	1
NMeFOSA	<0.37		1.7	0.37	ng/L		07/15/21 12:08	07/16/21 06:36	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		07/15/21 12:08	07/16/21 06:36	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		07/15/21 12:08	07/16/21 06:36	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/15/21 12:08	07/16/21 06:36	1
NEtFOSE	<0.73		1.7	0.73	ng/L		07/15/21 12:08	07/16/21 06:36	1
4:2 FTS	<0.21		1.7	0.21	ng/L		07/15/21 12:08	07/16/21 06:36	1
6:2 FTS	<2.2		4.3	2.2	ng/L		07/15/21 12:08	07/16/21 06:36	1
8:2 FTS	<0.40		1.7	0.40	ng/L		07/15/21 12:08	07/16/21 06:36	1
10:2 FTS	<0.58		1.7	0.58	ng/L		07/15/21 12:08	07/16/21 06:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		07/15/21 12:08	07/16/21 06:36	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/15/21 12:08	07/16/21 06:36	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		07/15/21 12:08	07/16/21 06:36	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		07/15/21 12:08	07/16/21 06:36	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150				07/15/21 12:08	07/16/21 06:36	1
13C5 PFPeA	49		25 - 150				07/15/21 12:08	07/16/21 06:36	1
13C2 PFHxA	99		25 - 150				07/15/21 12:08	07/16/21 06:36	1
13C4 PFHpA	83		25 - 150				07/15/21 12:08	07/16/21 06:36	1
13C4 PFOA	100		25 - 150				07/15/21 12:08	07/16/21 06:36	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 14
Date Collected: 07/14/21 10:20
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-11
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	89		25 - 150	07/15/21 12:08	07/16/21 06:36	1
13C2 PFDA	121		25 - 150	07/15/21 12:08	07/16/21 06:36	1
13C2 PFUnA	112		25 - 150	07/15/21 12:08	07/16/21 06:36	1
13C2 PFDoA	116		25 - 150	07/15/21 12:08	07/16/21 06:36	1
13C2 PFTeDA	121		25 - 150	07/15/21 12:08	07/16/21 06:36	1
13C2 PFHxDA	147		25 - 150	07/15/21 12:08	07/16/21 06:36	1
13C3 PFBS	107		25 - 150	07/15/21 12:08	07/16/21 06:36	1
18O2 PFHxS	97		25 - 150	07/15/21 12:08	07/16/21 06:36	1
13C4 PFOS	114		25 - 150	07/15/21 12:08	07/16/21 06:36	1
13C8 FOSA	119		10 - 150	07/15/21 12:08	07/16/21 06:36	1
d3-NMeFOSAA	104		25 - 150	07/15/21 12:08	07/16/21 06:36	1
d5-NEtFOSAA	111		25 - 150	07/15/21 12:08	07/16/21 06:36	1
d-N-MeFOSA-M	105		10 - 150	07/15/21 12:08	07/16/21 06:36	1
d-N-EtFOSA-M	98		10 - 150	07/15/21 12:08	07/16/21 06:36	1
d7-N-MeFOSE-M	89		10 - 150	07/15/21 12:08	07/16/21 06:36	1
d9-N-EtFOSE-M	93		10 - 150	07/15/21 12:08	07/16/21 06:36	1
M2-4:2 FTS	120		25 - 150	07/15/21 12:08	07/16/21 06:36	1
M2-6:2 FTS	99		25 - 150	07/15/21 12:08	07/16/21 06:36	1
M2-8:2 FTS	134		25 - 150	07/15/21 12:08	07/16/21 06:36	1
13C3 HFPO-DA	88		25 - 150	07/15/21 12:08	07/16/21 06:36	1
13C2 10:2 FTS	136		25 - 150	07/15/21 12:08	07/16/21 06:36	1

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 14 FB

Lab Sample ID: 320-76233-12

Date Collected: 07/14/21 10:21

Matrix: Water

Date Received: 07/15/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.1		4.3	2.1	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluoropentanoic acid (PFPeA)	<0.42		1.7	0.42	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorohexanoic acid (PFHxA)	<0.50		1.7	0.50	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluoroheptanoic acid (PFHpA)	<0.22		1.7	0.22	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorooctanoic acid (PFOA)	<0.74		1.7	0.74	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorononanoic acid (PFNA)	<0.23		1.7	0.23	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorodecanoic acid (PFDA)	0.29	J B	1.7	0.27	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluoroundecanoic acid (PFUnA)	<0.95		1.7	0.95	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorododecanoic acid (PFDoA)	<0.48		1.7	0.48	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorotridecanoic acid (PFTrDA)	<1.1		1.7	1.1	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorotetradecanoic acid (PFTeA)	<0.63		1.7	0.63	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.77		1.7	0.77	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.81 *		1.7	0.81	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorobutanesulfonic acid (PFBS)	<0.17		1.7	0.17	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluoropentanesulfonic acid (PFPeS)	<0.26		1.7	0.26	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorohexanesulfonic acid (PFHxS)	<0.49		1.7	0.49	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.16		1.7	0.16	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorooctanesulfonic acid (PFOS)	<0.47		1.7	0.47	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorononanesulfonic acid (PFNS)	<0.32		1.7	0.32	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorodecanesulfonic acid (PFDS)	<0.28		1.7	0.28	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorododecanesulfonic acid (PFDoS)	<0.84		1.7	0.84	ng/L		07/15/21 12:08	07/15/21 22:01	1
Perfluorooctanesulfonamide (FOSA)	<0.85		1.7	0.85	ng/L		07/15/21 12:08	07/15/21 22:01	1
NEtFOSA	<0.75		1.7	0.75	ng/L		07/15/21 12:08	07/15/21 22:01	1
NMeFOSA	<0.37		1.7	0.37	ng/L		07/15/21 12:08	07/15/21 22:01	1
NMeFOSAA	<1.0		4.3	1.0	ng/L		07/15/21 12:08	07/15/21 22:01	1
NEtFOSAA	<1.1		4.3	1.1	ng/L		07/15/21 12:08	07/15/21 22:01	1
NMeFOSE	<1.2		3.5	1.2	ng/L		07/15/21 12:08	07/15/21 22:01	1
NEtFOSE	<0.74		1.7	0.74	ng/L		07/15/21 12:08	07/15/21 22:01	1
4:2 FTS	<0.21		1.7	0.21	ng/L		07/15/21 12:08	07/15/21 22:01	1
6:2 FTS	<2.2		4.3	2.2	ng/L		07/15/21 12:08	07/15/21 22:01	1
8:2 FTS	<0.40		1.7	0.40	ng/L		07/15/21 12:08	07/15/21 22:01	1
10:2 FTS	<0.58		1.7	0.58	ng/L		07/15/21 12:08	07/15/21 22:01	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.35		1.7	0.35	ng/L		07/15/21 12:08	07/15/21 22:01	1
HFPO-DA (GenX)	<1.3		3.5	1.3	ng/L		07/15/21 12:08	07/15/21 22:01	1
9Cl-PF3ONS	<0.21		1.7	0.21	ng/L		07/15/21 12:08	07/15/21 22:01	1
11Cl-PF3OUdS	<0.28		1.7	0.28	ng/L		07/15/21 12:08	07/15/21 22:01	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	68		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C5 PFPeA	69		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C2 PFHxA	66		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C4 PFHpA	70		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C4 PFOA	67		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C5 PFNA	70		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C2 PFDA	68		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C2 PFUnA	67		25 - 150	07/15/21 12:08	07/15/21 22:01	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-76233-1

Client Sample ID: Well 14 FB

Lab Sample ID: 320-76233-12

Date Collected: 07/14/21 10:21

Matrix: Water

Date Received: 07/15/21 10:00

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	71		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C2 PFTeDA	60		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C2 PFHxDA	65		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C3 PFBS	83		25 - 150	07/15/21 12:08	07/15/21 22:01	1
18O2 PFHxS	73		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C4 PFOS	74		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C8 FOSA	69		10 - 150	07/15/21 12:08	07/15/21 22:01	1
d3-NMeFOSAA	60		25 - 150	07/15/21 12:08	07/15/21 22:01	1
d5-NEtFOSAA	66		25 - 150	07/15/21 12:08	07/15/21 22:01	1
d-N-MeFOSA-M	50		10 - 150	07/15/21 12:08	07/15/21 22:01	1
d-N-EtFOSA-M	53		10 - 150	07/15/21 12:08	07/15/21 22:01	1
d7-N-MeFOSE-M	52		10 - 150	07/15/21 12:08	07/15/21 22:01	1
d9-N-EtFOSE-M	56		10 - 150	07/15/21 12:08	07/15/21 22:01	1
M2-4:2 FTS	62		25 - 150	07/15/21 12:08	07/15/21 22:01	1
M2-6:2 FTS	68		25 - 150	07/15/21 12:08	07/15/21 22:01	1
M2-8:2 FTS	70		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C3 HFPO-DA	68		25 - 150	07/15/21 12:08	07/15/21 22:01	1
13C2 10:2 FTS	78		25 - 150	07/15/21 12:08	07/15/21 22:01	1

Isotope Dilution Summary

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

Job ID: 320-76233-1

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)
320-76233-1	Well 11	57	63	62	71	67	66	67	65
320-76233-2	Well 11 FB	76	72	71	77	75	76	76	73
320-76233-3	Well 22	75	77	77	79	77	79	76	74
320-76233-4	Well 22 FB	66	63	61	68	66	67	62	60
320-76233-5	Well 24	74	81	79	86	81	84	79	78
320-76233-6	Well 24 FB	88	87	90	88	87	88	84	90
320-76233-7	Well 16	82	95	95	100	99	99	87	97
320-76233-8	Well 16 FB	107	101	100	112	104	107	107	107
320-76233-9	Well 9	53	64	65	70	67	69	64	65
320-76233-10	Well 9 FB	100	97	93	104	106	99	96	99
320-76233-11	Well 14	80	49	99	83	100	89	121	112
320-76233-12	Well 14 FB	68	69	66	70	67	70	68	67
LCS 320-506900/2-A	Lab Control Sample	97	93	95	99	96	93	101	97
LCSD 320-506900/3-A	Lab Control Sample Dup	67	66	62	69	65	69	63	65
MB 320-506900/1-A	Method Blank	71	74	69	75	74	72	73	71

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDoA (25-150)	PFTDA (25-150)	PFHxDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)
320-76233-1	Well 11	62	55	63	77	68	69	70	57
320-76233-2	Well 11 FB	71	74	75	87	79	79	79	66
320-76233-3	Well 22	70	81	75	88	81	83	83	69
320-76233-4	Well 22 FB	68	66	59	77	69	67	66	58
320-76233-5	Well 24	82	78	80	95	83	87	87	75
320-76233-6	Well 24 FB	92	85	83	109	97	92	93	76
320-76233-7	Well 16	99	90	88	114	107	102	105	88
320-76233-8	Well 16 FB	107	111	102	117	108	103	111	100
320-76233-9	Well 9	72	69	72	81	73	71	67	59
320-76233-10	Well 9 FB	98	105	104	115	106	103	109	94
320-76233-11	Well 14	116	121	147	107	97	114	119	104
320-76233-12	Well 14 FB	71	60	65	83	73	74	69	60
LCS 320-506900/2-A	Lab Control Sample	102	100	97	110	100	104	106	95
LCSD 320-506900/3-A	Lab Control Sample Dup	69	63	61	75	67	66	68	60
MB 320-506900/1-A	Method Blank	73	72	62	87	79	75	78	65

		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)
320-76233-1	Well 11	63	54	54	49	52	80	83	73
320-76233-2	Well 11 FB	69	59	54	54	61	76	82	85
320-76233-3	Well 22	75	63	62	66	62	84	92	91
320-76233-4	Well 22 FB	64	44	44	49	47	62	72	72
320-76233-5	Well 24	79	67	67	63	71	86	97	90
320-76233-6	Well 24 FB	83	61	61	71	68	85	96	105
320-76233-7	Well 16	97	80	77	82	80	108	121	103
320-76233-8	Well 16 FB	112	89	90	95	98	83	101	104
320-76233-9	Well 9	65	49	50	47	51	74	76	75
320-76233-10	Well 9 FB	106	79	78	93	94	81	101	107
320-76233-11	Well 14	111	105	98	89	93	120	99	134
320-76233-12	Well 14 FB	66	50	53	52	56	62	68	70
LCS 320-506900/2-A	Lab Control Sample	103	79	75	85	88	75	102	105

Eurofins TestAmerica, Sacramento

Isotope Dilution Summary

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

Job ID: 320-76233-1

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

Matrix: Water

Prep Type: Total/NA

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)
LCSD 320-506900/3-A	Lab Control Sample Dup	64	52	53	59	50	61	70	72
MB 320-506900/1-A	Method Blank	72	61	61	64	62	71	83	82

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (25-150)	M102FTS (25-150)
320-76233-1	Well 11	67	73
320-76233-2	Well 11 FB	75	84
320-76233-3	Well 22	78	89
320-76233-4	Well 22 FB	66	74
320-76233-5	Well 24	83	93
320-76233-6	Well 24 FB	89	101
320-76233-7	Well 16	97	115
320-76233-8	Well 16 FB	98	109
320-76233-9	Well 9	68	75
320-76233-10	Well 9 FB	96	113
320-76233-11	Well 14	88	136
320-76233-12	Well 14 FB	68	78
LCS 320-506900/2-A	Lab Control Sample	89	103
LCSD 320-506900/3-A	Lab Control Sample Dup	68	74
MB 320-506900/1-A	Method Blank	75	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
- PFDoA = 13C2 PFDoA
- PFTDA = 13C2 PFTeDA
- PFHxDA = 13C2 PFHxDA
- C3PFBS = 13C3 PFBS
- PFHxS = 18O2 PFHxS
- PFOS = 13C4 PFOS
- PFOSA = 13C8 FOSA
- d3NMFOA = d3-NMeFOA
- d5NEFOA = d5-NEtFOA
- dMeFOA = d-N-MeFOA-M
- dEtFOA = d-N-EtFOA-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

QC Sample Results

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

Job ID: 320-76233-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-506900/1-A
Matrix: Water
Analysis Batch: 507101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506900

Analyte	MB	MB	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorodecanoic acid (PFDA)	0.328	J	2.0	0.31	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.94		2.0	0.94	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		07/15/21 12:06	07/15/21 19:25	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		07/15/21 12:06	07/15/21 19:25	1
NEtFOSA	<0.87		2.0	0.87	ng/L		07/15/21 12:06	07/15/21 19:25	1
NMeFOSA	<0.43		2.0	0.43	ng/L		07/15/21 12:06	07/15/21 19:25	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		07/15/21 12:06	07/15/21 19:25	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		07/15/21 12:06	07/15/21 19:25	1
NMeFOSE	<1.4		4.0	1.4	ng/L		07/15/21 12:06	07/15/21 19:25	1
NEtFOSE	<0.85		2.0	0.85	ng/L		07/15/21 12:06	07/15/21 19:25	1
4:2 FTS	<0.24		2.0	0.24	ng/L		07/15/21 12:06	07/15/21 19:25	1
6:2 FTS	<2.5		5.0	2.5	ng/L		07/15/21 12:06	07/15/21 19:25	1
8:2 FTS	<0.46		2.0	0.46	ng/L		07/15/21 12:06	07/15/21 19:25	1
10:2 FTS	<0.67		2.0	0.67	ng/L		07/15/21 12:06	07/15/21 19:25	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		07/15/21 12:06	07/15/21 19:25	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		07/15/21 12:06	07/15/21 19:25	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		07/15/21 12:06	07/15/21 19:25	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		07/15/21 12:06	07/15/21 19:25	1
Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
13C4 PFBA	71		25 - 150	07/15/21 12:06	07/15/21 19:25	1			
13C5 PFPeA	74		25 - 150	07/15/21 12:06	07/15/21 19:25	1			
13C2 PFHxA	69		25 - 150	07/15/21 12:06	07/15/21 19:25	1			
13C4 PFHpA	75		25 - 150	07/15/21 12:06	07/15/21 19:25	1			
13C4 PFOA	74		25 - 150	07/15/21 12:06	07/15/21 19:25	1			
13C5 PFNA	72		25 - 150	07/15/21 12:06	07/15/21 19:25	1			

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-76233-1

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

Lab Sample ID: MB 320-506900/1-A
Matrix: Water
Analysis Batch: 507101

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 506900

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	73		25 - 150	07/15/21 12:06	07/15/21 19:25	1
13C2 PFUnA	71		25 - 150	07/15/21 12:06	07/15/21 19:25	1
13C2 PFDoA	73		25 - 150	07/15/21 12:06	07/15/21 19:25	1
13C2 PFTeDA	72		25 - 150	07/15/21 12:06	07/15/21 19:25	1
13C2 PFHxDA	62		25 - 150	07/15/21 12:06	07/15/21 19:25	1
13C3 PFBS	87		25 - 150	07/15/21 12:06	07/15/21 19:25	1
18O2 PFHxS	79		25 - 150	07/15/21 12:06	07/15/21 19:25	1
13C4 PFOS	75		25 - 150	07/15/21 12:06	07/15/21 19:25	1
13C8 FOSA	78		10 - 150	07/15/21 12:06	07/15/21 19:25	1
d3-NMeFOSAA	65		25 - 150	07/15/21 12:06	07/15/21 19:25	1
d5-NEtFOSAA	72		25 - 150	07/15/21 12:06	07/15/21 19:25	1
d-N-MeFOSA-M	61		10 - 150	07/15/21 12:06	07/15/21 19:25	1
d-N-EtFOSA-M	61		10 - 150	07/15/21 12:06	07/15/21 19:25	1
d7-N-MeFOSE-M	64		10 - 150	07/15/21 12:06	07/15/21 19:25	1
d9-N-EtFOSE-M	62		10 - 150	07/15/21 12:06	07/15/21 19:25	1
M2-4:2 FTS	71		25 - 150	07/15/21 12:06	07/15/21 19:25	1
M2-6:2 FTS	83		25 - 150	07/15/21 12:06	07/15/21 19:25	1
M2-8:2 FTS	82		25 - 150	07/15/21 12:06	07/15/21 19:25	1
13C3 HFPO-DA	75		25 - 150	07/15/21 12:06	07/15/21 19:25	1
13C2 10:2 FTS	84		25 - 150	07/15/21 12:06	07/15/21 19:25	1

Lab Sample ID: LCS 320-506900/2-A
Matrix: Water
Analysis Batch: 507232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	40.0	40.1		ng/L		100	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	42.9		ng/L		107	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	42.2		ng/L		105	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	40.4		ng/L		101	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	40.4		ng/L		101	60 - 135
Perfluorononanoic acid (PFNA)	40.0	42.4		ng/L		106	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	36.5	B	ng/L		91	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	41.0		ng/L		102	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	38.3		ng/L		96	60 - 135
Perfluorotridecanoic acid (PFTTrDA)	40.0	38.4		ng/L		96	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	40.3		ng/L		101	60 - 135
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	44.1		ng/L		110	60 - 135
Perfluoro-n-octadecanoic acid (PFODA)	40.0	28.8		ng/L		72	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	33.4		ng/L		94	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	32.3		ng/L		86	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.7		ng/L		98	60 - 135

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-76233-1

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

Lab Sample ID: LCS 320-506900/2-A
Matrix: Water
Analysis Batch: 507232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506900

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	38.6		ng/L		101	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	36.2		ng/L		98	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	39.1		ng/L		102	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	34.5		ng/L		89	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	37.0		ng/L		96	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	37.3		ng/L		93	60 - 135
NEtFOSA	40.0	45.2		ng/L		113	60 - 135
NMeFOSA	40.0	40.6		ng/L		102	60 - 135
NMeFOSAA	40.0	42.5		ng/L		106	60 - 135
NEtFOSAA	40.0	39.2		ng/L		98	60 - 135
NMeFOSE	40.0	39.5		ng/L		99	60 - 135
NEtFOSE	40.0	40.4		ng/L		101	60 - 135
4:2 FTS	37.4	35.3		ng/L		95	60 - 135
6:2 FTS	37.9	33.3		ng/L		88	60 - 135
8:2 FTS	38.3	36.0		ng/L		94	60 - 135
10:2 FTS	38.6	34.2		ng/L		89	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	33.8		ng/L		90	60 - 135
HFPO-DA (GenX)	40.0	37.1		ng/L		93	60 - 135
9Cl-PF3ONS	37.3	34.7		ng/L		93	60 - 135
11Cl-PF3OUdS	37.7	32.1		ng/L		85	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	97		25 - 150
13C5 PFPeA	93		25 - 150
13C2 PFHxA	95		25 - 150
13C4 PFHpA	99		25 - 150
13C4 PFOA	96		25 - 150
13C5 PFNA	93		25 - 150
13C2 PFDA	101		25 - 150
13C2 PFUnA	97		25 - 150
13C2 PFDoA	102		25 - 150
13C2 PFTeDA	100		25 - 150
13C2 PFHxDA	97		25 - 150
13C3 PFBS	110		25 - 150
18O2 PFHxS	100		25 - 150
13C4 PFOS	104		25 - 150
13C8 FOSA	106		10 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	103		25 - 150
d-N-MeFOSA-M	79		10 - 150
d-N-EtFOSA-M	75		10 - 150
d7-N-MeFOSE-M	85		10 - 150
d9-N-EtFOSE-M	88		10 - 150

QC Sample Results

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

Job ID: 320-76233-1

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

Lab Sample ID: LCS 320-506900/2-A
Matrix: Water
Analysis Batch: 507232

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 506900

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
M2-4:2 FTS	75		25 - 150
M2-6:2 FTS	102		25 - 150
M2-8:2 FTS	105		25 - 150
13C3 HFPO-DA	89		25 - 150
13C2 10:2 FTS	103		25 - 150

Lab Sample ID: LCSD 320-506900/3-A
Matrix: Water
Analysis Batch: 507101

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 506900

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	41.1		ng/L		103	60 - 135	3	30
Perfluoropentanoic acid (PFPeA)	40.0	42.1		ng/L		105	60 - 135	2	30
Perfluorohexanoic acid (PFHxA)	40.0	43.5		ng/L		109	60 - 135	3	30
Perfluoroheptanoic acid (PFHpA)	40.0	40.1		ng/L		100	60 - 135	1	30
Perfluorooctanoic acid (PFOA)	40.0	44.3		ng/L		111	60 - 135	9	30
Perfluorononanoic acid (PFNA)	40.0	40.2		ng/L		101	60 - 135	5	30
Perfluorodecanoic acid (PFDA)	40.0	42.4		ng/L		106	60 - 135	15	30
Perfluoroundecanoic acid (PFUnA)	40.0	45.2		ng/L		113	60 - 135	10	30
Perfluorododecanoic acid (PFDoA)	40.0	38.6		ng/L		97	60 - 135	1	30
Perfluorotridecanoic acid (PFTrDA)	40.0	36.2		ng/L		91	60 - 135	6	30
Perfluorotetradecanoic acid (PFTeA)	40.0	41.1		ng/L		103	60 - 135	2	30
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	42.1		ng/L		105	60 - 135	5	30
Perfluoro-n-octadecanoic acid (PFODA)	40.0	22.1	*	ng/L		55	60 - 135	26	30
Perfluorobutanesulfonic acid (PFBS)	35.4	32.5		ng/L		92	60 - 135	3	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	32.4		ng/L		86	60 - 135	0	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	37.3		ng/L		103	60 - 135	4	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	41.8		ng/L		110	60 - 135	8	30
Perfluorooctanesulfonic acid (PFOS)	37.1	40.5		ng/L		109	60 - 135	11	30
Perfluorononanesulfonic acid (PFNS)	38.4	40.3		ng/L		105	60 - 135	3	30
Perfluorodecanesulfonic acid (PFDS)	38.6	40.1		ng/L		104	60 - 135	15	30
Perfluorododecanesulfonic acid (PFDoS)	38.7	40.7		ng/L		105	60 - 135	10	30
Perfluorooctanesulfonamide (FOSA)	40.0	38.7		ng/L		97	60 - 135	4	30
NEtFOSA	40.0	43.1		ng/L		108	60 - 135	5	30
NMeFOSA	40.0	42.8		ng/L		107	60 - 135	5	30
NMeFOSAA	40.0	40.3		ng/L		101	60 - 135	5	30
NEtFOSAA	40.0	43.2		ng/L		108	60 - 135	10	30
NMeFOSE	40.0	40.6		ng/L		102	60 - 135	3	30

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-76233-1

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

Lab Sample ID: LCSD 320-506900/3-A
Matrix: Water
Analysis Batch: 507101

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 506900

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
NETFOSE	40.0	43.4		ng/L		109	60 - 135	7	30
4:2 FTS	37.4	35.7		ng/L		96	60 - 135	1	30
6:2 FTS	37.9	39.6		ng/L		104	60 - 135	17	30
8:2 FTS	38.3	40.9		ng/L		107	60 - 135	13	30
10:2 FTS	38.6	32.8		ng/L		85	60 - 135	4	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	39.9		ng/L		106	60 - 135	17	30
HFPO-DA (GenX)	40.0	41.8		ng/L		104	60 - 135	12	30
9CI-PF3ONS	37.3	40.7		ng/L		109	60 - 135	16	30
11CI-PF3OUdS	37.7	35.1		ng/L		93	60 - 135	9	30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	67		25 - 150
13C5 PFPeA	66		25 - 150
13C2 PFHxA	62		25 - 150
13C4 PFHpA	69		25 - 150
13C4 PFOA	65		25 - 150
13C5 PFNA	69		25 - 150
13C2 PFDA	63		25 - 150
13C2 PFUnA	65		25 - 150
13C2 PFDoA	69		25 - 150
13C2 PFTeDA	63		25 - 150
13C2 PFHxDA	61		25 - 150
13C3 PFBS	75		25 - 150
18O2 PFHxS	67		25 - 150
13C4 PFOS	66		25 - 150
13C8 FOSA	68		10 - 150
d3-NMeFOSAA	60		25 - 150
d5-NEtFOSAA	64		25 - 150
d-N-MeFOSA-M	52		10 - 150
d-N-EtFOSA-M	53		10 - 150
d7-N-MeFOSE-M	59		10 - 150
d9-N-EtFOSE-M	50		10 - 150
M2-4:2 FTS	61		25 - 150
M2-6:2 FTS	70		25 - 150
M2-8:2 FTS	72		25 - 150
13C3 HFPO-DA	68		25 - 150
13C2 10:2 FTS	74		25 - 150

QC Association Summary

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

Job ID: 320-76233-1

LCMS

Prep Batch: 506900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-76233-1	Well 11	Total/NA	Water	3535	
320-76233-2	Well 11 FB	Total/NA	Water	3535	
320-76233-3	Well 22	Total/NA	Water	3535	
320-76233-4	Well 22 FB	Total/NA	Water	3535	
320-76233-5	Well 24	Total/NA	Water	3535	
320-76233-6	Well 24 FB	Total/NA	Water	3535	
320-76233-7	Well 16	Total/NA	Water	3535	
320-76233-8	Well 16 FB	Total/NA	Water	3535	
320-76233-9	Well 9	Total/NA	Water	3535	
320-76233-10	Well 9 FB	Total/NA	Water	3535	
320-76233-11	Well 14	Total/NA	Water	3535	
320-76233-12	Well 14 FB	Total/NA	Water	3535	
MB 320-506900/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-506900/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-506900/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 507101

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-76233-1	Well 11	Total/NA	Water	537 (modified)	506900
320-76233-2	Well 11 FB	Total/NA	Water	537 (modified)	506900
320-76233-3	Well 22	Total/NA	Water	537 (modified)	506900
320-76233-4	Well 22 FB	Total/NA	Water	537 (modified)	506900
320-76233-5	Well 24	Total/NA	Water	537 (modified)	506900
320-76233-6	Well 24 FB	Total/NA	Water	537 (modified)	506900
320-76233-7	Well 16	Total/NA	Water	537 (modified)	506900
320-76233-9	Well 9	Total/NA	Water	537 (modified)	506900
320-76233-12	Well 14 FB	Total/NA	Water	537 (modified)	506900
MB 320-506900/1-A	Method Blank	Total/NA	Water	537 (modified)	506900
LCSD 320-506900/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	506900

Analysis Batch: 507232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-76233-8	Well 16 FB	Total/NA	Water	537 (modified)	506900
320-76233-10	Well 9 FB	Total/NA	Water	537 (modified)	506900
320-76233-11	Well 14	Total/NA	Water	537 (modified)	506900
LCS 320-506900/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	506900

Lab Chronicle

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

Job ID: 320-76233-1

Client Sample ID: Well 11
Date Collected: 07/14/21 09:34
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-1
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			267.2 mL	10.0 mL	506900	07/15/21 12:06	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507101	07/15/21 19:53	K1S	TAL SAC

Client Sample ID: Well 11 FB
Date Collected: 07/14/21 09:35
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-2
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			277.5 mL	10.0 mL	506900	07/15/21 12:06	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507101	07/15/21 20:02	K1S	TAL SAC

Client Sample ID: Well 22
Date Collected: 07/14/21 09:42
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-3
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			274.3 mL	10.0 mL	506900	07/15/21 12:08	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507101	07/15/21 20:11	K1S	TAL SAC

Client Sample ID: Well 22 FB
Date Collected: 07/14/21 09:43
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-4
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			288.3 mL	10.0 mL	506900	07/15/21 12:08	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507101	07/15/21 20:20	K1S	TAL SAC

Client Sample ID: Well 24
Date Collected: 07/14/21 09:51
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-5
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			273.7 mL	10.0 mL	506900	07/15/21 12:08	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507101	07/15/21 20:29	K1S	TAL SAC

Client Sample ID: Well 24 FB
Date Collected: 07/14/21 09:52
Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-6
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			278.6 mL	10.0 mL	506900	07/15/21 12:08	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507101	07/15/21 20:38	K1S	TAL SAC

Lab Chronicle

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

Job ID: 320-76233-1

Client Sample ID: Well 16

Date Collected: 07/14/21 10:01

Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-7

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			287 mL	10.0 mL	506900	07/15/21 12:08	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507101	07/15/21 20:48	K1S	TAL SAC

Client Sample ID: Well 16 FB

Date Collected: 07/14/21 10:02

Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-8

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			289.7 mL	10.0 mL	506900	07/15/21 12:08	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507232	07/16/21 06:18	JY1	TAL SAC

Client Sample ID: Well 9

Date Collected: 07/14/21 10:10

Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-9

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			265 mL	10.0 mL	506900	07/15/21 12:08	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507101	07/15/21 21:33	K1S	TAL SAC

Client Sample ID: Well 9 FB

Date Collected: 07/14/21 10:11

Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-10

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			283.4 mL	10.0 mL	506900	07/15/21 12:08	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507232	07/16/21 06:27	JY1	TAL SAC

Client Sample ID: Well 14

Date Collected: 07/14/21 10:20

Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-11

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			289.4 mL	10.0 mL	506900	07/15/21 12:08	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507232	07/16/21 06:36	JY1	TAL SAC

Client Sample ID: Well 14 FB

Date Collected: 07/14/21 10:21

Date Received: 07/15/21 10:00

Lab Sample ID: 320-76233-12

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			288.9 mL	10.0 mL	506900	07/15/21 12:08	LN	TAL SAC
Total/NA	Analysis	537 (modified)		1			507101	07/15/21 22:01	K1S	TAL SAC

Laboratory References:

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

Eurofins TestAmerica, Sacramento

Accreditation/Certification Summary

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

Job ID: 320-76233-1

Laboratory: Eurofins TestAmerica, Sacramento

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

Authority	Program	Identification Number	Expiration Date
Wisconsin	State	998204680	08-31-21

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Method Summary

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

Job ID: 320-76233-1

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: 320-76233-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-76233-1	Well 11	Water	07/14/21 09:34	07/15/21 10:00	
320-76233-2	Well 11 FB	Water	07/14/21 09:35	07/15/21 10:00	
320-76233-3	Well 22	Water	07/14/21 09:42	07/15/21 10:00	
320-76233-4	Well 22 FB	Water	07/14/21 09:43	07/15/21 10:00	
320-76233-5	Well 24	Water	07/14/21 09:51	07/15/21 10:00	
320-76233-6	Well 24 FB	Water	07/14/21 09:52	07/15/21 10:00	
320-76233-7	Well 16	Water	07/14/21 10:01	07/15/21 10:00	
320-76233-8	Well 16 FB	Water	07/14/21 10:02	07/15/21 10:00	
320-76233-9	Well 9	Water	07/14/21 10:10	07/15/21 10:00	
320-76233-10	Well 9 FB	Water	07/14/21 10:11	07/15/21 10:00	
320-76233-11	Well 14	Water	07/14/21 10:20	07/15/21 10:00	
320-76233-12	Well 14 FB	Water	07/14/21 10:21	07/15/21 10:00	

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Chain of Custody Record

Client Information		Lab P/N: Fredrick, Sandie		COC No: 320-41317-10094 1	
Client Contact: Ty Fadness		E-Mail: sandra.fredrick@eurofinsnet.com		Page: Page 1 of 2	
Company: City of Eau Claire		FWSID:		Job #: _____	
Address: 203 S Farwell		Due Date Requested: ASAP- Please Expedite Thank you!		Camera Tracking No(s): _____	
City: Eau Claire		TAT Requested (days): _____		State of Origin: WI	
State, Zip: WI, 54701		Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		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 - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) _____	
Phone: _____		Purchase Order Requested		Total Number of Containers: _____	
Project #: 32012617		WO #: _____		Special Instructions/Note: _____	
SSOW#: _____		Project Name: PFAS Testing		Site: _____	

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Water, Solid, Tissue, etc)	Field Filtered Sample (Yes or No)	Perform MS/MS (Yes or No)	PFCA - PFAS Extended List (36 Analytes)	PFCA - PFAS Standard List (36 Analytes)	Special Instructions/Note
Well 11	7/14/21	0934	G	Water	X	X	X	X	
Well 11 FB	7/14/21	0935	G	Water	X	X	X	X	
Well 22	7/14/21	0942	G	Water	X	X	X	X	
Well 22 FB	7/14/21	0943	G	Water	X	X	X	X	
Well 24	7/14/21	0951	G	Water	X	X	X	X	
Well 24 FB	7/14/21	0952	G	Water	X	X	X	X	
Well 16	7/14/21	1001	G	Water	X	X	X	X	
Well 16 FB	7/14/21	1002	G	Water	X	X	X	X	
Well 9	7/14/21	1010	G	Water	X	X	X	X	
Well 9 FB	7/14/21	1011	G	Water	X	X	X	X	



320-76233 Chain of Custody

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/QC Requirements: _____

Relinquished by: <i>[Signature]</i>	Date/Time: 7/14/21 / 1230	Company: City of Eau Claire
Relinquished by: _____	Date/Time: _____	Company: _____
Relinquished by: _____	Date/Time: _____	Company: _____
Custody Seal No.: 1475471	Cooler Temperature (°C and Other Remarks): 0.8	Company: _____

Chain of Custody Record

Client Information	Sampler: Tyler Fadhess Phone: 715-839-6121 Lab PM: Fredrick, Sandie E-Mail: sandra.fredrick@eurofinset.com Carrier Tracking No(s): State of Origin: WI	COC No: 320-41317-10094.2 Page: Page 2 of 2 Job #:	
Company: PWSID City of Eau Claire Address: 203 S Farwell City: Eau Claire State, Zip: WI, 54701 Phone: Email: Tyler.Fadhess@EauClaireWI.Gov Project Name: PFAS Testing Site:	Due Date Requested: ASAP - Request Expedite Thank You! TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No PO #: PO# Purchase Order Requested: Project #: 32012617 SSO#:	Analysis Requested PFAS, Extended List (36 Analytes) <input checked="" type="checkbox"/> PFAS, Standard List (36 Analytes) <input checked="" type="checkbox"/> Total Number of Containers:	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 - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SSO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)
Sample Identification Well 14 Well 14 FB	Sample Date: 7/14/21 Sample Time: 1020 Matrix: Water Sample Type (C=Comp, G=grab): G Filtered Sample (Yes or No): <input checked="" type="checkbox"/>	Preservation Code: Water Water Water Water	Special Instructions/Note: Special Instructions/QC Requirements: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested: I, II, III, IV, Other (specify)	Empty Kit Relinquished by: Relinquished by: <i>Tyler Fadhess</i> Date/Time: 7/14/21 / 1230 Company: City of Eau Claire	Received by: Received by: <i>WJW</i> Date/Time: 7-15-21 / 10:00 Company: ETASAC	Method of Shipment: Date/Time:
Custody Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No.: 1475471 Cooler Temperature(s) °C and Other Remarks: 0.8			



Login Sample Receipt Checklist

Client: City of Eau Claire

Job Number: 320-76233-1

Login Number: 76233

List Source: Eurofins TestAmerica, Sacramento

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	1445471
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	

