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ANALYTICAL REPORT

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

Laboratory Job ID: 320-81220-2
Client Project/Site: PFAS Testing

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

Attn: Ty Fadness

Sandra Fredrick

Authorized for release by:
11/14/2021 6:45:53 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: 320-81220-2

Qualifiers

LCMS

Qualifier	Qualifier Description
C	See Case Narrative
J	Reported value was between the limit of detection and the limit of quantitation.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	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

Job ID: 320-81220-2

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative
320-81220-2

Comments
No additional comments.

Receipt
The samples were received on 11/8/2021 9:50 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 7.1º C.

Receipt Exceptions

The following samples were received at the laboratory outside the required temperature criteria at 7.1C Entry Point-Line 1 (320-81220-1), EP-FB (320-81220-2), Well 9 (320-81220-3), N. Absorption Pond (320-81220-4), Well 14 (320-81220-5), Well 24 (320-81220-6), WW Outfall (320-81220-7), Well 21 (320-81220-8), Well 13 (320-81220-9), Well 12 (320-81220-10), Well 18 (320-81220-11), Chip Riv. Upstream (320-81220-12) and Chip Riv. Downstream (320-81220-13). Samples were delayed by FedEx and were to be delivered on Friday November 5th, 2021, however they were received on Monday November 8th, 2021. No water was present in cooler.

The following sample #13 was submitted for analysis; however, it was not listed on the Chain-of-Custody (COC). Chip Riv. Downstream (320-81220-13)

The container labels for the following sample did not match the information listed on the Chain-of-Custody (COC). Chip Riv. Downstream (320-81220-13)

The container labels for sample #13 had two different container IDs, Chip Riv. Downstream and for the second container Chipewa River Downstream.

LCMS
Method 537 (modified): The continuing calibration verification (CCV) associated with batch 320-541200 recovered above the upper control limit for Perfluoro-n-octadecanoic acid (PFODA). The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated sample is impacted: (CCV 320-541200/28).

Method 537 (modified): The transition mass ratio for the indicated analyte was below the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte: Chip Riv. Upstream (320-81220-12).

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

Method 537 (modified): The transition mass ratio for the indicated analyte was below the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte.

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

Organic Prep
Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-540981. Method code: 3535_PFC_28D Matrix: Aqueous

Method 3535: The following samples were preserved with trizma: Well 9 (320-81220-3), N. Absorption Pond (320-81220-4), Well 14 (320-81220-5), Well 24 (320-81220-6), WW Outfall (320-81220-7), Well 21 (320-81220-8), Well 13 (320-81220-9), Well 12 (320-81220-10), Well 18 (320-81220-11), Chip Riv. Upstream (320-81220-12) and Chip Riv. Downstream (320-81220-13). Thus, the MB, LCS and LCSD also contain trizma. Preparation batch 320-540981. Method code: 3535_PFC_28D Matrix: Aqueous

Method 3535: The following samples were yellow prior to extraction: N. Absorption Pond (320-81220-4), Well 12 (320-81220-10), Well 18

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(320-81220-11), Chip Riv. Upstream (320-81220-12) and Chip Riv. Downstream (320-81220-13). preparation batch 320-540981. Method code: 3535_PFC_28D Matrix: Aqueous

Method 3535: The following samples are yellow after extraction/final volume: Well 12 (320-81220-10), Well 18 (320-81220-11), Chip Riv. Upstream (320-81220-12) and Chip Riv. Downstream (320-81220-13). preparation batch 320-540981. Method code: 3535_PFC_28D Matrix: Aqueous

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

Detection Summary

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

Job ID: 320-81220-2

Client Sample ID: Well 9 — Lab Sample ID: 320-81220-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.0		5.1	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	7.8		2.0	0.50	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	7.3		2.0	0.59	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.5		2.0	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	6.7		2.0	0.87	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.6		2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	6.0		2.0	0.31	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	68		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	2.7		2.0	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	80		2.0	0.55	ng/L	1		537 (modified)	Total/NA

Client Sample ID: N. Absorption Pond — Lab Sample ID: 320-81220-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.8	J	4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.85	J	1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.65	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.4	J	1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.27	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.93	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.2	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	11		1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.2	C	1.9	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 14 — Lab Sample ID: 320-81220-5

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.2	J	4.9	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.34	J	2.0	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.56	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.9	J	2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.4	J	2.0	0.53	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 24 — Lab Sample ID: 320-81220-6

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.7	J	4.7	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.3		1.9	0.46	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.2	C	1.9	0.54	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.46	J	1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.6	J	1.9	0.80	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.97	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.45	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.3		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.4	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: WW Outfall — Lab Sample ID: 320-81220-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.0		4.8	2.3	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample ID: WW Outfall (Continued) — Lab Sample ID: 320-81220-7

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	8.6		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	8.3		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.5		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.5		1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.7		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	5.1		1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	42		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic Acid (PFHpS)	1.0	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	15		1.9	0.52	ng/L	1		537 (modified)	Total/NA
6:2 FTS	3.9	J	4.8	2.4	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 21 — Lab Sample ID: 320-81220-8

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.5	J	4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.4		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.66	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.5		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.68	J	1.9	0.52	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 13 — Lab Sample ID: 320-81220-9

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.5	J	4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	0.81	J	1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.2		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.52	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	0.91	J	1.9	0.82	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	9.3		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	8.0		1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	11		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.79	J	1.9	0.52	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 12 — Lab Sample ID: 320-81220-10

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.6	J	4.9	2.3	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	0.60	J	1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.47	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.2	J	1.9	0.82	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.35	J	1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.76	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	0.38	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.1	J	1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.1	J	1.9	0.52	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

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

Job ID: 320-81220-2

Client Sample ID: Well 18 — Lab Sample ID: 320-81220-11

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.3	J	4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.35	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.87	J	1.9	0.51	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Chip Riv. Upstream — Lab Sample ID: 320-81220-12

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.3	J	5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.78	J	2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.3	J	2.0	0.84	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.54	J C	2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.49	J	2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	0.90	J	2.0	0.54	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Chip Riv. Downstream — Lab Sample ID: 320-81220-13

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.8	J	4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.72	J	1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.2	J	1.9	0.81	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	0.32	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.4	J	1.9	0.52	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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

Job ID: 320-81220-2

Client Sample ID: Well 9

Date Collected: 11/03/21 11:26
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-3

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**6.0**		5.1	2.4	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluoropentanoic acid (PFPeA)	**7.8**		2.0	0.50	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorohexanoic acid (PFHxA)	**7.3**		2.0	0.59	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluoroheptanoic acid (PFHpA)	**2.5**		2.0	0.26	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorooctanoic acid (PFOA)	**6.7**		2.0	0.87	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorononanoic acid (PFNA)	<0.28		2.0	0.28	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorodecanoic acid (PFDA)	<0.32		2.0	0.32	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorododecanoic acid (PFDoA)	<0.56		2.0	0.56	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.74		2.0	0.74	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.91		2.0	0.91	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.96		2.0	0.96	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorobutanesulfonic acid (PFBS)	**4.6**		2.0	0.20	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluoropentanesulfonic acid (PFPeS)	**6.0**		2.0	0.31	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorohexanesulfonic acid (PFHxS)	**68**		2.0	0.58	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	**2.7**		2.0	0.19	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorooctanesulfonic acid (PFOS)	**80**		2.0	0.55	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorononanesulfonic acid (PFNS)	<0.38		2.0	0.38	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.33		2.0	0.33	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.99		2.0	0.99	ng/L		11/08/21 13:42	11/10/21 15:23	1
Perfluorooctanesulfonamide (FOSA)	<1.0		2.0	1.0	ng/L		11/08/21 13:42	11/10/21 15:23	1
NEtFOSA	<0.89		2.0	0.89	ng/L		11/08/21 13:42	11/10/21 15:23	1
NMeFOSA	<0.44		2.0	0.44	ng/L		11/08/21 13:42	11/10/21 15:23	1
NMeFOSAA	<1.2		5.1	1.2	ng/L		11/08/21 13:42	11/10/21 15:23	1
NEtFOSAA	<1.3		5.1	1.3	ng/L		11/08/21 13:42	11/10/21 15:23	1
NMeFOSE	<1.4		4.1	1.4	ng/L		11/08/21 13:42	11/10/21 15:23	1
NEtFOSE	<0.87		2.0	0.87	ng/L		11/08/21 13:42	11/10/21 15:23	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/08/21 13:42	11/10/21 15:23	1
6:2 FTS	<2.6		5.1	2.6	ng/L		11/08/21 13:42	11/10/21 15:23	1
8:2 FTS	<0.47		2.0	0.47	ng/L		11/08/21 13:42	11/10/21 15:23	1
10:2 FTS	<0.68		2.0	0.68	ng/L		11/08/21 13:42	11/10/21 15:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.41		2.0	0.41	ng/L		11/08/21 13:42	11/10/21 15:23	1
HFPO-DA (GenX)	<1.5		4.1	1.5	ng/L		11/08/21 13:42	11/10/21 15:23	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/08/21 13:42	11/10/21 15:23	1
11Cl-PF3OUdS	<0.33		2.0	0.33	ng/L		11/08/21 13:42	11/10/21 15:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*93*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:23*	*1*
13C5 PFPeA	*105*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:23*	*1*
13C2 PFHxA	*102*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:23*	*1*
13C4 PFHpA	*97*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:23*	*1*
13C4 PFOA	*113*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:23*	*1*

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

Job ID: 320-81220-2

Client Sample ID: Well 9
Date Collected: 11/03/21 11:26
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-3
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	111		25 - 150	11/08/21 13:42	11/10/21 15:23	1
13C2 PFDA	102		25 - 150	11/08/21 13:42	11/10/21 15:23	1
13C2 PFUnA	103		25 - 150	11/08/21 13:42	11/10/21 15:23	1
13C2 PFDoA	92		25 - 150	11/08/21 13:42	11/10/21 15:23	1
13C2 PFTeDA	84		25 - 150	11/08/21 13:42	11/10/21 15:23	1
13C2 PFHxDA	89		25 - 150	11/08/21 13:42	11/10/21 15:23	1
13C3 PFBS	116		25 - 150	11/08/21 13:42	11/10/21 15:23	1
18O2 PFHxS	102		25 - 150	11/08/21 13:42	11/10/21 15:23	1
13C4 PFOS	104		25 - 150	11/08/21 13:42	11/10/21 15:23	1
13C8 FOSA	93		10 - 150	11/08/21 13:42	11/10/21 15:23	1
d3-NMeFOSAA	114		25 - 150	11/08/21 13:42	11/10/21 15:23	1
d5-NEtFOSAA	105		25 - 150	11/08/21 13:42	11/10/21 15:23	1
d-N-MeFOSA-M	76		10 - 150	11/08/21 13:42	11/10/21 15:23	1
d-N-EtFOSA-M	75		10 - 150	11/08/21 13:42	11/10/21 15:23	1
d7-N-MeFOSE-M	83		10 - 150	11/08/21 13:42	11/10/21 15:23	1
d9-N-EtFOSE-M	82		10 - 150	11/08/21 13:42	11/10/21 15:23	1
M2-4:2 FTS	104		25 - 150	11/08/21 13:42	11/10/21 15:23	1
M2-6:2 FTS	105		25 - 150	11/08/21 13:42	11/10/21 15:23	1
M2-8:2 FTS	118		25 - 150	11/08/21 13:42	11/10/21 15:23	1
13C3 HFPO-DA	97		25 - 150	11/08/21 13:42	11/10/21 15:23	1
13C2 10:2 FTS	96		25 - 150	11/08/21 13:42	11/10/21 15:23	1

Client Sample ID: N. Absorption Pond

Date Collected: 11/03/21 11:31
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-4

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.8**	**J**	4.7	2.3	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluoropentanoic acid (PFPeA)	**0.85**	**J**	1.9	0.46	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluoroheptanoic acid (PFHpA)	**0.65**	**J**	1.9	0.24	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorooctanoic acid (PFOA)	**1.4**	**J**	1.9	0.80	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorononanoic acid (PFNA)	**0.27**	**J**	1.9	0.26	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.84		1.9	0.84	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.89		1.9	0.89	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorobutanesulfonic acid (PFBS)	**0.93**	**J**	1.9	0.19	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluoropentanesulfonic acid (PFPeS)	**1.2**	**J**	1.9	0.28	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorohexanesulfonic acid (PFHxS)	**11**		1.9	0.54	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorooctanesulfonic acid (PFOS)	**2.2**	**C**	1.9	0.51	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		11/08/21 13:42	11/10/21 15:33	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		11/08/21 13:42	11/10/21 15:33	1
NEtFOSA	<0.82		1.9	0.82	ng/L		11/08/21 13:42	11/10/21 15:33	1
NMeFOSA	<0.41		1.9	0.41	ng/L		11/08/21 13:42	11/10/21 15:33	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		11/08/21 13:42	11/10/21 15:33	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		11/08/21 13:42	11/10/21 15:33	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/08/21 13:42	11/10/21 15:33	1
NEtFOSE	<0.80		1.9	0.80	ng/L		11/08/21 13:42	11/10/21 15:33	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/10/21 15:33	1
6:2 FTS	<2.4		4.7	2.4	ng/L		11/08/21 13:42	11/10/21 15:33	1
8:2 FTS	<0.43		1.9	0.43	ng/L		11/08/21 13:42	11/10/21 15:33	1
10:2 FTS	<0.63		1.9	0.63	ng/L		11/08/21 13:42	11/10/21 15:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		11/08/21 13:42	11/10/21 15:33	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/08/21 13:42	11/10/21 15:33	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/10/21 15:33	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/10/21 15:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*80*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:33*	*1*
13C5 PFPeA	*102*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:33*	*1*
13C2 PFHxA	*100*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:33*	*1*
13C4 PFHpA	*103*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:33*	*1*
13C4 PFOA	*115*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:33*	*1*

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

Job ID: 320-81220-2

Client Sample ID: N. Absorption Pond
Date Collected: 11/03/21 11:31
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-4
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	112		25 - 150	11/08/21 13:42	11/10/21 15:33	1
13C2 PFDA	104		25 - 150	11/08/21 13:42	11/10/21 15:33	1
13C2 PFUnA	96		25 - 150	11/08/21 13:42	11/10/21 15:33	1
13C2 PFDoA	99		25 - 150	11/08/21 13:42	11/10/21 15:33	1
13C2 PFTeDA	105		25 - 150	11/08/21 13:42	11/10/21 15:33	1
13C2 PFHxDA	106		25 - 150	11/08/21 13:42	11/10/21 15:33	1
13C3 PFBS	116		25 - 150	11/08/21 13:42	11/10/21 15:33	1
18O2 PFHxS	107		25 - 150	11/08/21 13:42	11/10/21 15:33	1
13C4 PFOS	113		25 - 150	11/08/21 13:42	11/10/21 15:33	1
13C8 FOSA	94		10 - 150	11/08/21 13:42	11/10/21 15:33	1
d3-NMeFOSAA	106		25 - 150	11/08/21 13:42	11/10/21 15:33	1
d5-NEtFOSAA	108		25 - 150	11/08/21 13:42	11/10/21 15:33	1
d-N-MeFOSA-M	92		10 - 150	11/08/21 13:42	11/10/21 15:33	1
d-N-EtFOSA-M	82		10 - 150	11/08/21 13:42	11/10/21 15:33	1
d7-N-MeFOSE-M	96		10 - 150	11/08/21 13:42	11/10/21 15:33	1
d9-N-EtFOSE-M	95		10 - 150	11/08/21 13:42	11/10/21 15:33	1
M2-4:2 FTS	97		25 - 150	11/08/21 13:42	11/10/21 15:33	1
M2-6:2 FTS	114		25 - 150	11/08/21 13:42	11/10/21 15:33	1
M2-8:2 FTS	114		25 - 150	11/08/21 13:42	11/10/21 15:33	1
13C3 HFPO-DA	98		25 - 150	11/08/21 13:42	11/10/21 15:33	1
13C2 10:2 FTS	109		25 - 150	11/08/21 13:42	11/10/21 15:33	1

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

Job ID: 320-81220-2

Client Sample ID: Well 14

Date Collected: 11/03/21 11:40
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-5

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.2**	**J**	4.9	2.4	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluoropentanoic acid (PFPeA)	<0.48		2.0	0.48	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluoroheptanoic acid (PFHpA)	**0.34**	**J**	2.0	0.24	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorooctanoic acid (PFOA)	<0.83		2.0	0.83	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorononanoic acid (PFNA)	<0.26		2.0	0.26	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		2.0	0.71	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.87		2.0	0.87	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.92		2.0	0.92	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorobutanesulfonic acid (PFBS)	**0.56**	**J**	2.0	0.20	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		2.0	0.29	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorohexanesulfonic acid (PFHxS)	**1.9**	**J**	2.0	0.56	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorooctanesulfonic acid (PFOS)	**1.4**	**J**	2.0	0.53	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		11/08/21 13:42	11/10/21 15:43	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		11/08/21 13:42	11/10/21 15:43	1
NEtFOSA	<0.85		2.0	0.85	ng/L		11/08/21 13:42	11/10/21 15:43	1
NMeFOSA	<0.42		2.0	0.42	ng/L		11/08/21 13:42	11/10/21 15:43	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		11/08/21 13:42	11/10/21 15:43	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		11/08/21 13:42	11/10/21 15:43	1
NMeFOSE	<1.4		3.9	1.4	ng/L		11/08/21 13:42	11/10/21 15:43	1
NEtFOSE	<0.83		2.0	0.83	ng/L		11/08/21 13:42	11/10/21 15:43	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/08/21 13:42	11/10/21 15:43	1
6:2 FTS	<2.4		4.9	2.4	ng/L		11/08/21 13:42	11/10/21 15:43	1
8:2 FTS	<0.45		2.0	0.45	ng/L		11/08/21 13:42	11/10/21 15:43	1
10:2 FTS	<0.66		2.0	0.66	ng/L		11/08/21 13:42	11/10/21 15:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		11/08/21 13:42	11/10/21 15:43	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		11/08/21 13:42	11/10/21 15:43	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/08/21 13:42	11/10/21 15:43	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		11/08/21 13:42	11/10/21 15:43	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*79*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:43*	*1*
13C5 PFPeA	*96*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:43*	*1*
13C2 PFHxA	*95*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:43*	*1*
13C4 PFHpA	*99*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:43*	*1*
13C4 PFOA	*109*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:43*	*1*

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

Job ID: 320-81220-2

Client Sample ID: Well 14
Date Collected: 11/03/21 11:40
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-5
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	106		25 - 150	11/08/21 13:42	11/10/21 15:43	1
13C2 PFDA	105		25 - 150	11/08/21 13:42	11/10/21 15:43	1
13C2 PFUnA	106		25 - 150	11/08/21 13:42	11/10/21 15:43	1
13C2 PFDoA	104		25 - 150	11/08/21 13:42	11/10/21 15:43	1
13C2 PFTeDA	101		25 - 150	11/08/21 13:42	11/10/21 15:43	1
13C2 PFHxDA	108		25 - 150	11/08/21 13:42	11/10/21 15:43	1
13C3 PFBS	113		25 - 150	11/08/21 13:42	11/10/21 15:43	1
18O2 PFHxS	100		25 - 150	11/08/21 13:42	11/10/21 15:43	1
13C4 PFOS	108		25 - 150	11/08/21 13:42	11/10/21 15:43	1
13C8 FOSA	93		10 - 150	11/08/21 13:42	11/10/21 15:43	1
d3-NMeFOSAA	102		25 - 150	11/08/21 13:42	11/10/21 15:43	1
d5-NEtFOSAA	99		25 - 150	11/08/21 13:42	11/10/21 15:43	1
d-N-MeFOSA-M	93		10 - 150	11/08/21 13:42	11/10/21 15:43	1
d-N-EtFOSA-M	86		10 - 150	11/08/21 13:42	11/10/21 15:43	1
d7-N-MeFOSE-M	93		10 - 150	11/08/21 13:42	11/10/21 15:43	1
d9-N-EtFOSE-M	93		10 - 150	11/08/21 13:42	11/10/21 15:43	1
M2-4:2 FTS	101		25 - 150	11/08/21 13:42	11/10/21 15:43	1
M2-6:2 FTS	107		25 - 150	11/08/21 13:42	11/10/21 15:43	1
M2-8:2 FTS	117		25 - 150	11/08/21 13:42	11/10/21 15:43	1
13C3 HFPO-DA	87		25 - 150	11/08/21 13:42	11/10/21 15:43	1
13C2 10:2 FTS	105		25 - 150	11/08/21 13:42	11/10/21 15:43	1

Client Sample ID: Well 24

Date Collected: 11/03/21 11:44
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-6

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**2.7**	**J**	4.7	2.3	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluoropentanoic acid (PFPeA)	**2.3**		1.9	0.46	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorohexanoic acid (PFHxA)	**3.2**	**C**	1.9	0.54	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluoroheptanoic acid (PFHpA)	**0.46**	**J**	1.9	0.23	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorooctanoic acid (PFOA)	**1.6**	**J**	1.9	0.80	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.83		1.9	0.83	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.88		1.9	0.88	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorobutanesulfonic acid (PFBS)	**0.97**	**J**	1.9	0.19	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluoropentanesulfonic acid (PFPeS)	**0.45**	**J**	1.9	0.28	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorohexanesulfonic acid (PFHxS)	**3.3**		1.9	0.53	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorooctanesulfonic acid (PFOS)	**1.4**	**J**	1.9	0.51	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		11/08/21 13:42	11/10/21 15:54	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		11/08/21 13:42	11/10/21 15:54	1
NEtFOSA	<0.82		1.9	0.82	ng/L		11/08/21 13:42	11/10/21 15:54	1
NMeFOSA	<0.40		1.9	0.40	ng/L		11/08/21 13:42	11/10/21 15:54	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		11/08/21 13:42	11/10/21 15:54	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		11/08/21 13:42	11/10/21 15:54	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/08/21 13:42	11/10/21 15:54	1
NEtFOSE	<0.80		1.9	0.80	ng/L		11/08/21 13:42	11/10/21 15:54	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/10/21 15:54	1
6:2 FTS	<2.3		4.7	2.3	ng/L		11/08/21 13:42	11/10/21 15:54	1
8:2 FTS	<0.43		1.9	0.43	ng/L		11/08/21 13:42	11/10/21 15:54	1
10:2 FTS	<0.63		1.9	0.63	ng/L		11/08/21 13:42	11/10/21 15:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		11/08/21 13:42	11/10/21 15:54	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/08/21 13:42	11/10/21 15:54	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/10/21 15:54	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/10/21 15:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*99*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:54*	*1*
13C5 PFPeA	*114*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:54*	*1*
13C2 PFHxA	*106*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:54*	*1*
13C4 PFHpA	*109*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:54*	*1*
13C4 PFOA	*117*		*25 - 150*	*11/08/21 13:42*	*11/10/21 15:54*	*1*

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

Job ID: 320-81220-2

Client Sample ID: Well 24
Date Collected: 11/03/21 11:44
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-6
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	118		25 - 150	11/08/21 13:42	11/10/21 15:54	1
13C2 PFDA	118		25 - 150	11/08/21 13:42	11/10/21 15:54	1
13C2 PFUnA	118		25 - 150	11/08/21 13:42	11/10/21 15:54	1
13C2 PFDoA	115		25 - 150	11/08/21 13:42	11/10/21 15:54	1
13C2 PFTeDA	118		25 - 150	11/08/21 13:42	11/10/21 15:54	1
13C2 PFHxDA	122		25 - 150	11/08/21 13:42	11/10/21 15:54	1
13C3 PFBS	129		25 - 150	11/08/21 13:42	11/10/21 15:54	1
18O2 PFHxS	113		25 - 150	11/08/21 13:42	11/10/21 15:54	1
13C4 PFOS	129		25 - 150	11/08/21 13:42	11/10/21 15:54	1
13C8 FOSA	103		10 - 150	11/08/21 13:42	11/10/21 15:54	1
d3-NMeFOSAA	110		25 - 150	11/08/21 13:42	11/10/21 15:54	1
d5-NEtFOSAA	118		25 - 150	11/08/21 13:42	11/10/21 15:54	1
d-N-MeFOSA-M	96		10 - 150	11/08/21 13:42	11/10/21 15:54	1
d-N-EtFOSA-M	89		10 - 150	11/08/21 13:42	11/10/21 15:54	1
d7-N-MeFOSE-M	90		10 - 150	11/08/21 13:42	11/10/21 15:54	1
d9-N-EtFOSE-M	107		10 - 150	11/08/21 13:42	11/10/21 15:54	1
M2-4:2 FTS	105		25 - 150	11/08/21 13:42	11/10/21 15:54	1
M2-6:2 FTS	109		25 - 150	11/08/21 13:42	11/10/21 15:54	1
M2-8:2 FTS	120		25 - 150	11/08/21 13:42	11/10/21 15:54	1
13C3 HFPO-DA	108		25 - 150	11/08/21 13:42	11/10/21 15:54	1
13C2 10:2 FTS	98		25 - 150	11/08/21 13:42	11/10/21 15:54	1

Client Sample ID: WW Outfall

Date Collected: 11/03/21 11:50
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-7

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**5.0**		4.8	2.3	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluoropentanoic acid (PFPeA)	**8.6**		1.9	0.47	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorohexanoic acid (PFHxA)	**8.3**		1.9	0.56	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluoroheptanoic acid (PFHpA)	**2.5**		1.9	0.24	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorooctanoic acid (PFOA)	**3.5**		1.9	0.81	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.85		1.9	0.85	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.90		1.9	0.90	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorobutanesulfonic acid (PFBS)	**5.7**		1.9	0.19	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluoropentanesulfonic acid (PFPeS)	**5.1**		1.9	0.29	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorohexanesulfonic acid (PFHxS)	**42**		1.9	0.55	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	**1.0**	**J**	1.9	0.18	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorooctanesulfonic acid (PFOS)	**15**		1.9	0.52	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		11/08/21 13:42	11/10/21 16:04	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		11/08/21 13:42	11/10/21 16:04	1
NEtFOSA	<0.83		1.9	0.83	ng/L		11/08/21 13:42	11/10/21 16:04	1
NMeFOSA	<0.41		1.9	0.41	ng/L		11/08/21 13:42	11/10/21 16:04	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		11/08/21 13:42	11/10/21 16:04	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		11/08/21 13:42	11/10/21 16:04	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/08/21 13:42	11/10/21 16:04	1
NEtFOSE	<0.81		1.9	0.81	ng/L		11/08/21 13:42	11/10/21 16:04	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/10/21 16:04	1
6:2 FTS	**3.9**	**J**	4.8	2.4	ng/L		11/08/21 13:42	11/10/21 16:04	1
8:2 FTS	<0.44		1.9	0.44	ng/L		11/08/21 13:42	11/10/21 16:04	1
10:2 FTS	<0.64		1.9	0.64	ng/L		11/08/21 13:42	11/10/21 16:04	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		11/08/21 13:42	11/10/21 16:04	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/08/21 13:42	11/10/21 16:04	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/10/21 16:04	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		11/08/21 13:42	11/10/21 16:04	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*109*		*25 - 150*	*11/08/21 13:42*	*11/10/21 16:04*	*1*
13C5 PFPeA	*121*		*25 - 150*	*11/08/21 13:42*	*11/10/21 16:04*	*1*
13C2 PFHxA	*114*		*25 - 150*	*11/08/21 13:42*	*11/10/21 16:04*	*1*
13C4 PFHpA	*113*		*25 - 150*	*11/08/21 13:42*	*11/10/21 16:04*	*1*
13C4 PFOA	*123*		*25 - 150*	*11/08/21 13:42*	*11/10/21 16:04*	*1*

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

Job ID: 320-81220-2

Client Sample ID: WW Outfall
Date Collected: 11/03/21 11:50
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-7
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	122		25 - 150	11/08/21 13:42	11/10/21 16:04	1
13C2 PFDA	123		25 - 150	11/08/21 13:42	11/10/21 16:04	1
13C2 PFUnA	112		25 - 150	11/08/21 13:42	11/10/21 16:04	1
13C2 PFDoA	117		25 - 150	11/08/21 13:42	11/10/21 16:04	1
13C2 PFTeDA	114		25 - 150	11/08/21 13:42	11/10/21 16:04	1
13C2 PFHxDA	123		25 - 150	11/08/21 13:42	11/10/21 16:04	1
13C3 PFBS	131		25 - 150	11/08/21 13:42	11/10/21 16:04	1
18O2 PFHxS	114		25 - 150	11/08/21 13:42	11/10/21 16:04	1
13C4 PFOS	122		25 - 150	11/08/21 13:42	11/10/21 16:04	1
13C8 FOSA	108		10 - 150	11/08/21 13:42	11/10/21 16:04	1
d3-NMeFOSAA	113		25 - 150	11/08/21 13:42	11/10/21 16:04	1
d5-NEtFOSAA	123		25 - 150	11/08/21 13:42	11/10/21 16:04	1
d-N-MeFOSA-M	104		10 - 150	11/08/21 13:42	11/10/21 16:04	1
d-N-EtFOSA-M	93		10 - 150	11/08/21 13:42	11/10/21 16:04	1
d7-N-MeFOSE-M	97		10 - 150	11/08/21 13:42	11/10/21 16:04	1
d9-N-EtFOSE-M	116		10 - 150	11/08/21 13:42	11/10/21 16:04	1
M2-4:2 FTS	114		25 - 150	11/08/21 13:42	11/10/21 16:04	1
M2-6:2 FTS	119		25 - 150	11/08/21 13:42	11/10/21 16:04	1
M2-8:2 FTS	132		25 - 150	11/08/21 13:42	11/10/21 16:04	1
13C3 HFPO-DA	113		25 - 150	11/08/21 13:42	11/10/21 16:04	1
13C2 10:2 FTS	134		25 - 150	11/08/21 13:42	11/10/21 16:04	1

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

Job ID: 320-81220-2

Client Sample ID: Well 21

Date Collected: 11/03/21 11:57
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-8

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.5**	**J**	4.8	2.3	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorooctanoic acid (PFOA)	<0.82		1.9	0.82	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.86		1.9	0.86	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.91		1.9	0.91	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorobutanesulfonic acid (PFBS)	**2.4**		1.9	0.19	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluoropentanesulfonic acid (PFPeS)	**0.66**	**J**	1.9	0.29	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorohexanesulfonic acid (PFHxS)	**2.5**		1.9	0.55	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorooctanesulfonic acid (PFOS)	**0.68**	**J**	1.9	0.52	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		11/08/21 13:42	11/09/21 11:23	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		11/08/21 13:42	11/09/21 11:23	1
NEtFOSA	<0.84		1.9	0.84	ng/L		11/08/21 13:42	11/09/21 11:23	1
NMeFOSA	<0.42		1.9	0.42	ng/L		11/08/21 13:42	11/09/21 11:23	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		11/08/21 13:42	11/09/21 11:23	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		11/08/21 13:42	11/09/21 11:23	1
NMeFOSE	<1.4		3.9	1.4	ng/L		11/08/21 13:42	11/09/21 11:23	1
NEtFOSE	<0.82		1.9	0.82	ng/L		11/08/21 13:42	11/09/21 11:23	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/09/21 11:23	1
6:2 FTS	<2.4		4.8	2.4	ng/L		11/08/21 13:42	11/09/21 11:23	1
8:2 FTS	<0.44		1.9	0.44	ng/L		11/08/21 13:42	11/09/21 11:23	1
10:2 FTS	<0.65		1.9	0.65	ng/L		11/08/21 13:42	11/09/21 11:23	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		11/08/21 13:42	11/09/21 11:23	1
HFPO-DA (GenX)	<1.4		3.9	1.4	ng/L		11/08/21 13:42	11/09/21 11:23	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/09/21 11:23	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		11/08/21 13:42	11/09/21 11:23	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*63*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:23*	*1*
13C5 PFPeA	*76*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:23*	*1*
13C2 PFHxA	*82*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:23*	*1*
13C4 PFHpA	*81*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:23*	*1*
13C4 PFOA	*79*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:23*	*1*

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

Job ID: 320-81220-2

Client Sample ID: Well 21
Date Collected: 11/03/21 11:57
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-8
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	75		25 - 150	11/08/21 13:42	11/09/21 11:23	1
13C2 PFDA	75		25 - 150	11/08/21 13:42	11/09/21 11:23	1
13C2 PFUnA	82		25 - 150	11/08/21 13:42	11/09/21 11:23	1
13C2 PFDoA	79		25 - 150	11/08/21 13:42	11/09/21 11:23	1
13C2 PFTeDA	75		25 - 150	11/08/21 13:42	11/09/21 11:23	1
13C2 PFHxDA	72		25 - 150	11/08/21 13:42	11/09/21 11:23	1
13C3 PFBS	88		25 - 150	11/08/21 13:42	11/09/21 11:23	1
18O2 PFHxS	73		25 - 150	11/08/21 13:42	11/09/21 11:23	1
13C4 PFOS	76		25 - 150	11/08/21 13:42	11/09/21 11:23	1
13C8 FOSA	72		10 - 150	11/08/21 13:42	11/09/21 11:23	1
d3-NMeFOSAA	75		25 - 150	11/08/21 13:42	11/09/21 11:23	1
d5-NEtFOSAA	88		25 - 150	11/08/21 13:42	11/09/21 11:23	1
d-N-MeFOSA-M	73		10 - 150	11/08/21 13:42	11/09/21 11:23	1
d-N-EtFOSA-M	66		10 - 150	11/08/21 13:42	11/09/21 11:23	1
d7-N-MeFOSE-M	70		10 - 150	11/08/21 13:42	11/09/21 11:23	1
d9-N-EtFOSE-M	78		10 - 150	11/08/21 13:42	11/09/21 11:23	1
M2-4:2 FTS	59		25 - 150	11/08/21 13:42	11/09/21 11:23	1
M2-6:2 FTS	52		25 - 150	11/08/21 13:42	11/09/21 11:23	1
M2-8:2 FTS	64		25 - 150	11/08/21 13:42	11/09/21 11:23	1
13C3 HFPO-DA	75		25 - 150	11/08/21 13:42	11/09/21 11:23	1
13C2 10:2 FTS	74		25 - 150	11/08/21 13:42	11/09/21 11:23	1

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

Job ID: 320-81220-2

Client Sample ID: Well 13

Date Collected: 11/03/21 12:04
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-9

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.5**	**J**	4.8	2.3	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluoropentanoic acid (PFPeA)	**0.81**	**J**	1.9	0.47	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorohexanoic acid (PFHxA)	**2.2**		1.9	0.56	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluoroheptanoic acid (PFHpA)	**0.52**	**J**	1.9	0.24	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorooctanoic acid (PFOA)	**0.91**	**J**	1.9	0.82	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.86		1.9	0.86	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.90		1.9	0.90	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorobutanesulfonic acid (PFBS)	**9.3**		1.9	0.19	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluoropentanesulfonic acid (PFPeS)	**8.0**		1.9	0.29	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorohexanesulfonic acid (PFHxS)	**11**		1.9	0.55	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorooctanesulfonic acid (PFOS)	**0.79**	**J**	1.9	0.52	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		11/08/21 13:42	11/09/21 11:33	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		11/08/21 13:42	11/09/21 11:33	1
NEtFOSA	<0.84		1.9	0.84	ng/L		11/08/21 13:42	11/09/21 11:33	1
NMeFOSA	<0.41		1.9	0.41	ng/L		11/08/21 13:42	11/09/21 11:33	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		11/08/21 13:42	11/09/21 11:33	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		11/08/21 13:42	11/09/21 11:33	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/08/21 13:42	11/09/21 11:33	1
NEtFOSE	<0.82		1.9	0.82	ng/L		11/08/21 13:42	11/09/21 11:33	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/09/21 11:33	1
6:2 FTS	<2.4		4.8	2.4	ng/L		11/08/21 13:42	11/09/21 11:33	1
8:2 FTS	<0.44		1.9	0.44	ng/L		11/08/21 13:42	11/09/21 11:33	1
10:2 FTS	<0.64		1.9	0.64	ng/L		11/08/21 13:42	11/09/21 11:33	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		11/08/21 13:42	11/09/21 11:33	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/08/21 13:42	11/09/21 11:33	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/09/21 11:33	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		11/08/21 13:42	11/09/21 11:33	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*71*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:33*	*1*
13C5 PFPeA	*81*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:33*	*1*
13C2 PFHxA	*82*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:33*	*1*
13C4 PFHpA	*83*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:33*	*1*
13C4 PFOA	*83*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:33*	*1*

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

Job ID: 320-81220-2

Client Sample ID: Well 13
Date Collected: 11/03/21 12:04
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-9
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	85		25 - 150	11/08/21 13:42	11/09/21 11:33	1
13C2 PFDA	79		25 - 150	11/08/21 13:42	11/09/21 11:33	1
13C2 PFUnA	87		25 - 150	11/08/21 13:42	11/09/21 11:33	1
13C2 PFDoA	84		25 - 150	11/08/21 13:42	11/09/21 11:33	1
13C2 PFTeDA	82		25 - 150	11/08/21 13:42	11/09/21 11:33	1
13C2 PFHxDA	79		25 - 150	11/08/21 13:42	11/09/21 11:33	1
13C3 PFBS	91		25 - 150	11/08/21 13:42	11/09/21 11:33	1
18O2 PFHxS	74		25 - 150	11/08/21 13:42	11/09/21 11:33	1
13C4 PFOS	82		25 - 150	11/08/21 13:42	11/09/21 11:33	1
13C8 FOSA	73		10 - 150	11/08/21 13:42	11/09/21 11:33	1
d3-NMeFOSAA	77		25 - 150	11/08/21 13:42	11/09/21 11:33	1
d5-NEtFOSAA	91		25 - 150	11/08/21 13:42	11/09/21 11:33	1
d-N-MeFOSA-M	73		10 - 150	11/08/21 13:42	11/09/21 11:33	1
d-N-EtFOSA-M	72		10 - 150	11/08/21 13:42	11/09/21 11:33	1
d7-N-MeFOSE-M	79		10 - 150	11/08/21 13:42	11/09/21 11:33	1
d9-N-EtFOSE-M	81		10 - 150	11/08/21 13:42	11/09/21 11:33	1
M2-4:2 FTS	55		25 - 150	11/08/21 13:42	11/09/21 11:33	1
M2-6:2 FTS	58		25 - 150	11/08/21 13:42	11/09/21 11:33	1
M2-8:2 FTS	60		25 - 150	11/08/21 13:42	11/09/21 11:33	1
13C3 HFPO-DA	80		25 - 150	11/08/21 13:42	11/09/21 11:33	1
13C2 10:2 FTS	74		25 - 150	11/08/21 13:42	11/09/21 11:33	1

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

Job ID: 320-81220-2

Client Sample ID: Well 12

Date Collected: 11/03/21 12:12
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-10

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.6**	**J**	4.9	2.3	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluoropentanoic acid (PFPeA)	<0.48		1.9	0.48	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorohexanoic acid (PFHxA)	**0.60**	**J**	1.9	0.56	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluoroheptanoic acid (PFHpA)	**0.47**	**J**	1.9	0.24	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorooctanoic acid (PFOA)	**1.2**	**J**	1.9	0.82	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorononanoic acid (PFNA)	**0.35**	**J**	1.9	0.26	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorotetradecanoic acid (PFTeA)	<0.71		1.9	0.71	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.86		1.9	0.86	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.91		1.9	0.91	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorobutanesulfonic acid (PFBS)	**0.76**	**J**	1.9	0.19	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluoropentanesulfonic acid (PFPeS)	**0.38**	**J**	1.9	0.29	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorohexanesulfonic acid (PFHxS)	**1.1**	**J**	1.9	0.55	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorooctanesulfonic acid (PFOS)	**1.1**	**J**	1.9	0.52	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		11/08/21 13:42	11/09/21 11:44	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		11/08/21 13:42	11/09/21 11:44	1
NEtFOSA	<0.84		1.9	0.84	ng/L		11/08/21 13:42	11/09/21 11:44	1
NMeFOSA	<0.42		1.9	0.42	ng/L		11/08/21 13:42	11/09/21 11:44	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		11/08/21 13:42	11/09/21 11:44	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		11/08/21 13:42	11/09/21 11:44	1
NMeFOSE	<1.4		3.9	1.4	ng/L		11/08/21 13:42	11/09/21 11:44	1
NEtFOSE	<0.82		1.9	0.82	ng/L		11/08/21 13:42	11/09/21 11:44	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/09/21 11:44	1
6:2 FTS	<2.4		4.9	2.4	ng/L		11/08/21 13:42	11/09/21 11:44	1
8:2 FTS	<0.45		1.9	0.45	ng/L		11/08/21 13:42	11/09/21 11:44	1
10:2 FTS	<0.65		1.9	0.65	ng/L		11/08/21 13:42	11/09/21 11:44	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		11/08/21 13:42	11/09/21 11:44	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		11/08/21 13:42	11/09/21 11:44	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/09/21 11:44	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		11/08/21 13:42	11/09/21 11:44	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*59*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:44*	*1*
13C5 PFPeA	*78*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:44*	*1*
13C2 PFHxA	*85*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:44*	*1*
13C4 PFHpA	*81*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:44*	*1*
13C4 PFOA	*81*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:44*	*1*

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

Job ID: 320-81220-2

Client Sample ID: Well 12
Date Collected: 11/03/21 12:12
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-10
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	85		25 - 150	11/08/21 13:42	11/09/21 11:44	1
13C2 PFDA	83		25 - 150	11/08/21 13:42	11/09/21 11:44	1
13C2 PFUnA	78		25 - 150	11/08/21 13:42	11/09/21 11:44	1
13C2 PFDoA	84		25 - 150	11/08/21 13:42	11/09/21 11:44	1
13C2 PFTeDA	70		25 - 150	11/08/21 13:42	11/09/21 11:44	1
13C2 PFHxDA	56		25 - 150	11/08/21 13:42	11/09/21 11:44	1
13C3 PFBS	93		25 - 150	11/08/21 13:42	11/09/21 11:44	1
18O2 PFHxS	68		25 - 150	11/08/21 13:42	11/09/21 11:44	1
13C4 PFOS	73		25 - 150	11/08/21 13:42	11/09/21 11:44	1
13C8 FOSA	74		10 - 150	11/08/21 13:42	11/09/21 11:44	1
d3-NMeFOSAA	78		25 - 150	11/08/21 13:42	11/09/21 11:44	1
d5-NEtFOSAA	87		25 - 150	11/08/21 13:42	11/09/21 11:44	1
d-N-MeFOSA-M	71		10 - 150	11/08/21 13:42	11/09/21 11:44	1
d-N-EtFOSA-M	66		10 - 150	11/08/21 13:42	11/09/21 11:44	1
d7-N-MeFOSE-M	78		10 - 150	11/08/21 13:42	11/09/21 11:44	1
d9-N-EtFOSE-M	77		10 - 150	11/08/21 13:42	11/09/21 11:44	1
M2-4:2 FTS	70		25 - 150	11/08/21 13:42	11/09/21 11:44	1
M2-6:2 FTS	54		25 - 150	11/08/21 13:42	11/09/21 11:44	1
M2-8:2 FTS	70		25 - 150	11/08/21 13:42	11/09/21 11:44	1
13C3 HFPO-DA	74		25 - 150	11/08/21 13:42	11/09/21 11:44	1
13C2 10:2 FTS	77		25 - 150	11/08/21 13:42	11/09/21 11:44	1

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

Job ID: 320-81220-2

Client Sample ID: Well 18

Date Collected: 11/03/21 12:17
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-11

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.3**	**J**	4.8	2.3	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluoroheptanoic acid (PFHpA)	**0.35**	**J**	1.9	0.24	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.85		1.9	0.85	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.89		1.9	0.89	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorooctanesulfonic acid (PFOS)	**0.87**	**J**	1.9	0.51	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		11/08/21 13:42	11/09/21 11:54	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		11/08/21 13:42	11/09/21 11:54	1
NEtFOSA	<0.83		1.9	0.83	ng/L		11/08/21 13:42	11/09/21 11:54	1
NMeFOSA	<0.41		1.9	0.41	ng/L		11/08/21 13:42	11/09/21 11:54	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		11/08/21 13:42	11/09/21 11:54	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		11/08/21 13:42	11/09/21 11:54	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/08/21 13:42	11/09/21 11:54	1
NEtFOSE	<0.81		1.9	0.81	ng/L		11/08/21 13:42	11/09/21 11:54	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/09/21 11:54	1
6:2 FTS	<2.4		4.8	2.4	ng/L		11/08/21 13:42	11/09/21 11:54	1
8:2 FTS	<0.44		1.9	0.44	ng/L		11/08/21 13:42	11/09/21 11:54	1
10:2 FTS	<0.64		1.9	0.64	ng/L		11/08/21 13:42	11/09/21 11:54	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		11/08/21 13:42	11/09/21 11:54	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/08/21 13:42	11/09/21 11:54	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/09/21 11:54	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/09/21 11:54	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*56*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:54*	*1*
13C5 PFPeA	*74*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:54*	*1*
13C2 PFHxA	*74*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:54*	*1*
13C4 PFHpA	*73*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:54*	*1*
13C4 PFOA	*78*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:54*	*1*
13C5 PFNA	*76*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:54*	*1*
13C2 PFDA	*82*		*25 - 150*	*11/08/21 13:42*	*11/09/21 11:54*	*1*

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

Job ID: 320-81220-2

Client Sample ID: Well 18
Date Collected: 11/03/21 12:17
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-11
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFUnA	81		25 - 150	11/08/21 13:42	11/09/21 11:54	1
13C2 PFDoA	81		25 - 150	11/08/21 13:42	11/09/21 11:54	1
13C2 PFTeDA	75		25 - 150	11/08/21 13:42	11/09/21 11:54	1
13C2 PFHxDA	54		25 - 150	11/08/21 13:42	11/09/21 11:54	1
13C3 PFBS	80		25 - 150	11/08/21 13:42	11/09/21 11:54	1
18O2 PFHxS	69		25 - 150	11/08/21 13:42	11/09/21 11:54	1
13C4 PFOS	74		25 - 150	11/08/21 13:42	11/09/21 11:54	1
13C8 FOSA	71		10 - 150	11/08/21 13:42	11/09/21 11:54	1
d3-NMeFOSAA	77		25 - 150	11/08/21 13:42	11/09/21 11:54	1
d5-NEtFOSAA	82		25 - 150	11/08/21 13:42	11/09/21 11:54	1
d-N-MeFOSA-M	65		10 - 150	11/08/21 13:42	11/09/21 11:54	1
d-N-EtFOSA-M	70		10 - 150	11/08/21 13:42	11/09/21 11:54	1
d7-N-MeFOSE-M	74		10 - 150	11/08/21 13:42	11/09/21 11:54	1
d9-N-EtFOSE-M	77		10 - 150	11/08/21 13:42	11/09/21 11:54	1
M2-4:2 FTS	55		25 - 150	11/08/21 13:42	11/09/21 11:54	1
M2-6:2 FTS	54		25 - 150	11/08/21 13:42	11/09/21 11:54	1
M2-8:2 FTS	59		25 - 150	11/08/21 13:42	11/09/21 11:54	1
13C3 HFPO-DA	70		25 - 150	11/08/21 13:42	11/09/21 11:54	1
13C2 10:2 FTS	68		25 - 150	11/08/21 13:42	11/09/21 11:54	1

Client Sample ID: Chip Riv. Upstream

Date Collected: 11/03/21 12:36
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-12

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.3**	**J**	5.0	2.4	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorohexanoic acid (PFHxA)	<0.57		2.0	0.57	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluoroheptanoic acid (PFHpA)	**0.78**	**J**	2.0	0.25	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorooctanoic acid (PFOA)	**1.3**	**J**	2.0	0.84	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorononanoic acid (PFNA)	**0.54**	**J C**	2.0	0.27	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.88		2.0	0.88	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.93		2.0	0.93	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorobutanesulfonic acid (PFBS)	**0.49**	**J**	2.0	0.20	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorooctanesulfonic acid (PFOS)	**0.90**	**J**	2.0	0.54	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		11/08/21 13:42	11/09/21 12:05	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		11/08/21 13:42	11/09/21 12:05	1
NEtFOSA	<0.86		2.0	0.86	ng/L		11/08/21 13:42	11/09/21 12:05	1
NMeFOSA	<0.43		2.0	0.43	ng/L		11/08/21 13:42	11/09/21 12:05	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		11/08/21 13:42	11/09/21 12:05	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		11/08/21 13:42	11/09/21 12:05	1
NMeFOSE	<1.4		4.0	1.4	ng/L		11/08/21 13:42	11/09/21 12:05	1
NEtFOSE	<0.84		2.0	0.84	ng/L		11/08/21 13:42	11/09/21 12:05	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/08/21 13:42	11/09/21 12:05	1
6:2 FTS	<2.5		5.0	2.5	ng/L		11/08/21 13:42	11/09/21 12:05	1
8:2 FTS	<0.46		2.0	0.46	ng/L		11/08/21 13:42	11/09/21 12:05	1
10:2 FTS	<0.66		2.0	0.66	ng/L		11/08/21 13:42	11/09/21 12:05	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		11/08/21 13:42	11/09/21 12:05	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		11/08/21 13:42	11/09/21 12:05	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/08/21 13:42	11/09/21 12:05	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		11/08/21 13:42	11/09/21 12:05	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*52*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:05*	*1*
13C5 PFPeA	*68*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:05*	*1*
13C2 PFHxA	*73*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:05*	*1*
13C4 PFHpA	*73*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:05*	*1*
13C4 PFOA	*73*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:05*	*1*
13C5 PFNA	*77*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:05*	*1*

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

Job ID: 320-81220-2

Client Sample ID: Chip Riv. Upstream
Date Collected: 11/03/21 12:36
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-12
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	77		25 - 150	11/08/21 13:42	11/09/21 12:05	1
13C2 PFUnA	80		25 - 150	11/08/21 13:42	11/09/21 12:05	1
13C2 PFDoA	71		25 - 150	11/08/21 13:42	11/09/21 12:05	1
13C2 PFTeDA	54		25 - 150	11/08/21 13:42	11/09/21 12:05	1
13C2 PFHxDA	57		25 - 150	11/08/21 13:42	11/09/21 12:05	1
13C3 PFBS	85		25 - 150	11/08/21 13:42	11/09/21 12:05	1
18O2 PFHxS	70		25 - 150	11/08/21 13:42	11/09/21 12:05	1
13C4 PFOS	73		25 - 150	11/08/21 13:42	11/09/21 12:05	1
13C8 FOSA	68		10 - 150	11/08/21 13:42	11/09/21 12:05	1
d3-NMeFOSAA	74		25 - 150	11/08/21 13:42	11/09/21 12:05	1
d5-NEtFOSAA	83		25 - 150	11/08/21 13:42	11/09/21 12:05	1
d-N-MeFOSA-M	61		10 - 150	11/08/21 13:42	11/09/21 12:05	1
d-N-EtFOSA-M	57		10 - 150	11/08/21 13:42	11/09/21 12:05	1
d7-N-MeFOSE-M	65		10 - 150	11/08/21 13:42	11/09/21 12:05	1
d9-N-EtFOSE-M	60		10 - 150	11/08/21 13:42	11/09/21 12:05	1
M2-4:2 FTS	54		25 - 150	11/08/21 13:42	11/09/21 12:05	1
M2-6:2 FTS	48		25 - 150	11/08/21 13:42	11/09/21 12:05	1
M2-8:2 FTS	58		25 - 150	11/08/21 13:42	11/09/21 12:05	1
13C3 HFPO-DA	66		25 - 150	11/08/21 13:42	11/09/21 12:05	1
13C2 10:2 FTS	64		25 - 150	11/08/21 13:42	11/09/21 12:05	1

Client Sample ID: Chip Riv. Downstream

Lab Sample ID: 320-81220-13

Date Collected: 11/03/21 12:22

Matrix: Water

Date Received: 11/04/21 09:50

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**3.8**	**J**	4.8	2.3	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorohexanoic acid (PFHxA)	<0.56		1.9	0.56	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluoroheptanoic acid (PFHpA)	**0.72**	**J**	1.9	0.24	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorooctanoic acid (PFOA)	**1.2**	**J**	1.9	0.81	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.85		1.9	0.85	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.90		1.9	0.90	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorobutanesulfonic acid (PFBS)	**0.32**	**J**	1.9	0.19	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorohexanesulfonic acid (PFHxS)	<0.55		1.9	0.55	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.18		1.9	0.18	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorooctanesulfonic acid (PFOS)	**1.4**	**J**	1.9	0.52	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		11/08/21 13:42	11/09/21 12:15	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		11/08/21 13:42	11/09/21 12:15	1
NEtFOSA	<0.83		1.9	0.83	ng/L		11/08/21 13:42	11/09/21 12:15	1
NMeFOSA	<0.41		1.9	0.41	ng/L		11/08/21 13:42	11/09/21 12:15	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		11/08/21 13:42	11/09/21 12:15	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		11/08/21 13:42	11/09/21 12:15	1
NMeFOSE	<1.3		3.8	1.3	ng/L		11/08/21 13:42	11/09/21 12:15	1
NEtFOSE	<0.81		1.9	0.81	ng/L		11/08/21 13:42	11/09/21 12:15	1
4:2 FTS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/09/21 12:15	1
6:2 FTS	<2.4		4.8	2.4	ng/L		11/08/21 13:42	11/09/21 12:15	1
8:2 FTS	<0.44		1.9	0.44	ng/L		11/08/21 13:42	11/09/21 12:15	1
10:2 FTS	<0.64		1.9	0.64	ng/L		11/08/21 13:42	11/09/21 12:15	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		11/08/21 13:42	11/09/21 12:15	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		11/08/21 13:42	11/09/21 12:15	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		11/08/21 13:42	11/09/21 12:15	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		11/08/21 13:42	11/09/21 12:15	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*54*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:15*	*1*
13C5 PFPeA	*68*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:15*	*1*
13C2 PFHxA	*79*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:15*	*1*
13C4 PFHpA	*78*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:15*	*1*
13C4 PFOA	*77*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:15*	*1*
13C5 PFNA	*76*		*25 - 150*	*11/08/21 13:42*	*11/09/21 12:15*	*1*

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

Job ID: 320-81220-2

Client Sample ID: Chip Riv. Downstream
Date Collected: 11/03/21 12:22
Date Received: 11/04/21 09:50

Lab Sample ID: 320-81220-13
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	78		25 - 150	11/08/21 13:42	11/09/21 12:15	1
13C2 PFUnA	75		25 - 150	11/08/21 13:42	11/09/21 12:15	1
13C2 PFDoA	75		25 - 150	11/08/21 13:42	11/09/21 12:15	1
13C2 PFTeDA	57		25 - 150	11/08/21 13:42	11/09/21 12:15	1
13C2 PFHxDA	54		25 - 150	11/08/21 13:42	11/09/21 12:15	1
13C3 PFBS	83		25 - 150	11/08/21 13:42	11/09/21 12:15	1
18O2 PFHxS	70		25 - 150	11/08/21 13:42	11/09/21 12:15	1
13C4 PFOS	75		25 - 150	11/08/21 13:42	11/09/21 12:15	1
13C8 FOSA	70		10 - 150	11/08/21 13:42	11/09/21 12:15	1
d3-NMeFOSAA	71		25 - 150	11/08/21 13:42	11/09/21 12:15	1
d5-NEtFOSAA	80		25 - 150	11/08/21 13:42	11/09/21 12:15	1
d-N-MeFOSA-M	67		10 - 150	11/08/21 13:42	11/09/21 12:15	1
d-N-EtFOSA-M	63		10 - 150	11/08/21 13:42	11/09/21 12:15	1
d7-N-MeFOSE-M	78		10 - 150	11/08/21 13:42	11/09/21 12:15	1
d9-N-EtFOSE-M	66		10 - 150	11/08/21 13:42	11/09/21 12:15	1
M2-4:2 FTS	61		25 - 150	11/08/21 13:42	11/09/21 12:15	1
M2-6:2 FTS	49		25 - 150	11/08/21 13:42	11/09/21 12:15	1
M2-8:2 FTS	64		25 - 150	11/08/21 13:42	11/09/21 12:15	1
13C3 HFPO-DA	74		25 - 150	11/08/21 13:42	11/09/21 12:15	1
13C2 10:2 FTS	64		25 - 150	11/08/21 13:42	11/09/21 12:15	1

Isotope Dilution Summary

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

Job ID: 320-81220-2

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)
320-81220-3	Well 9	93	105	102	97	113	111	102	103
320-81220-4	N. Absorption Pond	80	102	100	103	115	112	104	96
320-81220-5	Well 14	79	96	95	99	109	106	105	106
320-81220-6	Well 24	99	114	106	109	117	118	118	118
320-81220-7	WW Outfall	109	121	114	113	123	122	123	112
320-81220-8	Well 21	63	76	82	81	79	75	75	82
320-81220-9	Well 13	71	81	82	83	83	85	79	87
320-81220-10	Well 12	59	78	85	81	81	85	83	78
320-81220-11	Well 18	56	74	74	73	78	76	82	81
320-81220-12	Chip Riv. Upstream	52	68	73	73	73	77	77	80
320-81220-13	Chip Riv. Downstream	54	68	79	78	77	76	78	75
LCS 320-540981/2-A	Lab Control Sample	110	114	120	111	109	110	110	123
LCSD 320-540981/3-A	Lab Control Sample Dup	68	72	69	65	67	70	67	75
MB 320-540981/1-A	Method Blank	65	68	70	61	64	64	69	72

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)
320-81220-3	Well 9	92	84	89	116	102	104	93	114
320-81220-4	N. Absorption Pond	99	105	106	116	107	113	94	106
320-81220-5	Well 14	104	101	108	113	100	108	93	102
320-81220-6	Well 24	115	118	122	129	113	129	103	110
320-81220-7	WW Outfall	117	114	123	131	114	122	108	113
320-81220-8	Well 21	79	75	72	88	73	76	72	75
320-81220-9	Well 13	84	82	79	91	74	82	73	77
320-81220-10	Well 12	84	70	56	93	68	73	74	78
320-81220-11	Well 18	81	75	54	80	69	74	71	77
320-81220-12	Chip Riv. Upstream	71	54	57	85	70	73	68	74
320-81220-13	Chip Riv. Downstream	75	57	54	83	70	75	70	71
LCS 320-540981/2-A	Lab Control Sample	124	121	130	131	107	116	105	114
LCSD 320-540981/3-A	Lab Control Sample Dup	73	75	77	85	63	68	67	74
MB 320-540981/1-A	Method Blank	70	72	72	76	64	65	60	73

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)
320-81220-3	Well 9	105	76	75	83	82	104	105	118
320-81220-4	N. Absorption Pond	108	92	82	96	95	97	114	114
320-81220-5	Well 14	99	93	86	93	93	101	107	117
320-81220-6	Well 24	118	96	89	90	107	105	109	120
320-81220-7	WW Outfall	123	104	93	97	116	114	119	132
320-81220-8	Well 21	88	73	66	70	78	59	52	64
320-81220-9	Well 13	91	73	72	79	81	55	58	60
320-81220-10	Well 12	87	71	66	78	77	70	54	70
320-81220-11	Well 18	82	65	70	74	77	55	54	59
320-81220-12	Chip Riv. Upstream	83	61	57	65	60	54	48	58
320-81220-13	Chip Riv. Downstream	80	67	63	78	66	61	49	64
LCS 320-540981/2-A	Lab Control Sample	120	103	100	108	115	83	75	90
LCSD 320-540981/3-A	Lab Control Sample Dup	74	60	67	72	66	57	47	50
MB 320-540981/1-A	Method Blank	78	63	61	67	66	48	45	57

Isotope Dilution Summary

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

Job ID: 320-81220-2

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	HFPODA (25-150)	M102FTS (25-150)
320-81220-3	Well 9	97	96
320-81220-4	N. Absorption Pond	98	109
320-81220-5	Well 14	87	105
320-81220-6	Well 24	108	98
320-81220-7	WW Outfall	113	134
320-81220-8	Well 21	75	74
320-81220-9	Well 13	80	74
320-81220-10	Well 12	74	77
320-81220-11	Well 18	70	68
320-81220-12	Chip Riv. Upstream	66	64
320-81220-13	Chip Riv. Downstream	74	64
LCS 320-540981/2-A	Lab Control Sample	117	94
LCSD 320-540981/3-A	Lab Control Sample Dup	76	61
MB 320-540981/1-A	Method Blank	63	62

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
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
dMeFOSA = d-N-MeFOSA-M
dEtFOSA = d-N-EtFOSA-M
NMFM = d7-N-MeFOSE-M
NEFM = d9-N-EtFOSE-M
M242FTS = M2-4:2 FTS
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS
HFPODA = 13C3 HFPO-DA
M102FTS = 13C2 10:2 FTS

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-540981/1-A
Matrix: Water
Analysis Batch: 541200

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540981

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.94		2.0	0.94	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.19		2.0	0.19	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		11/08/21 13:42	11/09/21 08:36	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		11/08/21 13:42	11/09/21 08:36	1
NEtFOSA	<0.87		2.0	0.87	ng/L		11/08/21 13:42	11/09/21 08:36	1
NMeFOSA	<0.43		2.0	0.43	ng/L		11/08/21 13:42	11/09/21 08:36	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		11/08/21 13:42	11/09/21 08:36	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		11/08/21 13:42	11/09/21 08:36	1
NMeFOSE	<1.4		4.0	1.4	ng/L		11/08/21 13:42	11/09/21 08:36	1
NEtFOSE	<0.85		2.0	0.85	ng/L		11/08/21 13:42	11/09/21 08:36	1
4:2 FTS	<0.24		2.0	0.24	ng/L		11/08/21 13:42	11/09/21 08:36	1
6:2 FTS	<2.5		5.0	2.5	ng/L		11/08/21 13:42	11/09/21 08:36	1
8:2 FTS	<0.46		2.0	0.46	ng/L		11/08/21 13:42	11/09/21 08:36	1
10:2 FTS	<0.67		2.0	0.67	ng/L		11/08/21 13:42	11/09/21 08:36	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		11/08/21 13:42	11/09/21 08:36	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		11/08/21 13:42	11/09/21 08:36	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		11/08/21 13:42	11/09/21 08:36	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		11/08/21 13:42	11/09/21 08:36	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*65*		*25 - 150*	*11/08/21 13:42*	*11/09/21 08:36*	*1*
13C5 PFPeA	*68*		*25 - 150*	*11/08/21 13:42*	*11/09/21 08:36*	*1*
13C2 PFHxA	*70*		*25 - 150*	*11/08/21 13:42*	*11/09/21 08:36*	*1*
13C4 PFHpA	*61*		*25 - 150*	*11/08/21 13:42*	*11/09/21 08:36*	*1*
13C4 PFOA	*64*		*25 - 150*	*11/08/21 13:42*	*11/09/21 08:36*	*1*
13C5 PFNA	*64*		*25 - 150*	*11/08/21 13:42*	*11/09/21 08:36*	*1*

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

Lab Sample ID: MB 320-540981/1-A
Matrix: Water
Analysis Batch: 541200

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 540981

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	69		25 - 150	11/08/21 13:42	11/09/21 08:36	1
13C2 PFUnA	72		25 - 150	11/08/21 13:42	11/09/21 08:36	1
13C2 PFDoA	70		25 - 150	11/08/21 13:42	11/09/21 08:36	1
13C2 PFTeDA	72		25 - 150	11/08/21 13:42	11/09/21 08:36	1
13C2 PFHxDA	72		25 - 150	11/08/21 13:42	11/09/21 08:36	1
13C3 PFBS	76		25 - 150	11/08/21 13:42	11/09/21 08:36	1
18O2 PFHxS	64		25 - 150	11/08/21 13:42	11/09/21 08:36	1
13C4 PFOS	65		25 - 150	11/08/21 13:42	11/09/21 08:36	1
13C8 FOSA	60		10 - 150	11/08/21 13:42	11/09/21 08:36	1
d3-NMeFOSAA	73		25 - 150	11/08/21 13:42	11/09/21 08:36	1
d5-NEtFOSAA	78		25 - 150	11/08/21 13:42	11/09/21 08:36	1
d-N-MeFOSA-M	63		10 - 150	11/08/21 13:42	11/09/21 08:36	1
d-N-EtFOSA-M	61		10 - 150	11/08/21 13:42	11/09/21 08:36	1
d7-N-MeFOSE-M	67		10 - 150	11/08/21 13:42	11/09/21 08:36	1
d9-N-EtFOSE-M	66		10 - 150	11/08/21 13:42	11/09/21 08:36	1
M2-4:2 FTS	48		25 - 150	11/08/21 13:42	11/09/21 08:36	1
M2-6:2 FTS	45		25 - 150	11/08/21 13:42	11/09/21 08:36	1
M2-8:2 FTS	57		25 - 150	11/08/21 13:42	11/09/21 08:36	1
13C3 HFPO-DA	63		25 - 150	11/08/21 13:42	11/09/21 08:36	1
13C2 10:2 FTS	62		25 - 150	11/08/21 13:42	11/09/21 08:36	1

Lab Sample ID: LCS 320-540981/2-A
Matrix: Water
Analysis Batch: 541200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	38.2		ng/L		95	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	40.2		ng/L		100	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	36.0		ng/L		90	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	39.7		ng/L		99	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	38.0		ng/L		95	60 - 135
Perfluorononanoic acid (PFNA)	40.0	37.4		ng/L		94	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.8		ng/L		99	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	35.7		ng/L		89	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	38.6		ng/L		97	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	38.4		ng/L		96	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	34.4		ng/L		86	60 - 135
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	39.5		ng/L		99	60 - 135
Perfluoro-n-octadecanoic acid (PFODA)	40.0	35.9		ng/L		90	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	29.1		ng/L		82	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	31.0		ng/L		83	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.2		ng/L		94	60 - 135

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

Lab Sample ID: LCS 320-540981/2-A
Matrix: Water
Analysis Batch: 541200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540981

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	33.6		ng/L		88	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	33.1		ng/L		89	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	37.1		ng/L		97	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	33.5		ng/L		87	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	33.8		ng/L		87	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	41.7		ng/L		104	60 - 135
NEtFOSA	40.0	38.9		ng/L		97	60 - 135
NMeFOSA	40.0	38.5		ng/L		96	60 - 135
NMeFOSAA	40.0	39.1		ng/L		98	60 - 135
NEtFOSAA	40.0	37.1		ng/L		93	60 - 135
NMeFOSE	40.0	37.2		ng/L		93	60 - 135
NEtFOSE	40.0	35.9		ng/L		90	60 - 135
4:2 FTS	37.4	36.1		ng/L		97	60 - 135
6:2 FTS	37.9	39.8		ng/L		105	60 - 135
8:2 FTS	38.3	36.3		ng/L		95	60 - 135
10:2 FTS	38.6	37.4		ng/L		97	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	35.5		ng/L		94	60 - 135
HFPO-DA (GenX)	40.0	38.5		ng/L		96	60 - 135
9Cl-PF3ONS	37.3	32.8		ng/L		88	60 - 135
11Cl-PF3OUdS	37.7	35.7		ng/L		95	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*110*		*25 - 150*
13C5 PFPeA	*114*		*25 - 150*
13C2 PFHxA	*120*		*25 - 150*
13C4 PFHpA	*111*		*25 - 150*
13C4 PFOA	*109*		*25 - 150*
13C5 PFNA	*110*		*25 - 150*
13C2 PFDA	*110*		*25 - 150*
13C2 PFUnA	*123*		*25 - 150*
13C2 PFDoA	*124*		*25 - 150*
13C2 PFTeDA	*121*		*25 - 150*
13C2 PFHxDA	*130*		*25 - 150*
13C3 PFBS	*131*		*25 - 150*
18O2 PFHxS	*107*		*25 - 150*
13C4 PFOS	*116*		*25 - 150*
13C8 FOSA	*105*		*10 - 150*
d3-NMeFOSAA	*114*		*25 - 150*
d5-NEtFOSAA	*120*		*25 - 150*
d-N-MeFOSA-M	*103*		*10 - 150*
d-N-EtFOSA-M	*100*		*10 - 150*
d7-N-MeFOSE-M	*108*		*10 - 150*
d9-N-EtFOSE-M	*115*		*10 - 150*

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

Lab Sample ID: LCS 320-540981/2-A
Matrix: Water
Analysis Batch: 541200

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 540981

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
M2-4:2 FTS	*83*		*25 - 150*
M2-6:2 FTS	*75*		*25 - 150*
M2-8:2 FTS	*90*		*25 - 150*
13C3 HFPO-DA	*117*		*25 - 150*
13C2 10:2 FTS	*94*		*25 - 150*

Lab Sample ID: LCSD 320-540981/3-A
Matrix: Water
Analysis Batch: 541200

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 540981

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)			40.0	40.0		ng/L		100	60 - 135	5	30
Perfluoropentanoic acid (PFPeA)			40.0	38.9		ng/L		97	60 - 135	3	30
Perfluorohexanoic acid (PFHxA)			40.0	39.5		ng/L		99	60 - 135	9	30
Perfluoroheptanoic acid (PFHpA)			40.0	39.3		ng/L		98	60 - 135	1	30
Perfluorooctanoic acid (PFOA)			40.0	37.0		ng/L		92	60 - 135	3	30
Perfluorononanoic acid (PFNA)			40.0	37.4		ng/L		94	60 - 135	0	30
Perfluorodecanoic acid (PFDA)			40.0	37.7		ng/L		94	60 - 135	5	30
Perfluoroundecanoic acid (PFUnA)			40.0	36.7		ng/L		92	60 - 135	3	30
Perfluorododecanoic acid (PFDoA)			40.0	39.6		ng/L		99	60 - 135	2	30
Perfluorotridecanoic acid (PFTrDA)			40.0	41.8		ng/L		105	60 - 135	9	30
Perfluorotetradecanoic acid (PFTeA)			40.0	34.5		ng/L		86	60 - 135	0	30
Perfluoro-n-hexadecanoic acid (PFHxDA)			40.0	39.7		ng/L		99	60 - 135	0	30
Perfluoro-n-octadecanoic acid (PFODA)			40.0	37.8		ng/L		94	60 - 135	5	30
Perfluorobutanesulfonic acid (PFBS)			35.4	31.0		ng/L		88	60 - 135	6	30
Perfluoropentanesulfonic acid (PFPeS)			37.5	29.7		ng/L		79	60 - 135	4	30
Perfluorohexanesulfonic acid (PFHxS)			36.4	35.6		ng/L		98	60 - 135	4	30
Perfluoroheptanesulfonic Acid (PFHpS)			38.1	34.6		ng/L		91	60 - 135	3	30
Perfluorooctanesulfonic acid (PFOS)			37.1	36.6		ng/L		99	60 - 135	10	30
Perfluorononanesulfonic acid (PFNS)			38.4	38.4		ng/L		100	60 - 135	3	30
Perfluorodecanesulfonic acid (PFDS)			38.6	38.5		ng/L		100	60 - 135	14	30
Perfluorododecanesulfonic acid (PFDoS)			38.7	35.8		ng/L		92	60 - 135	6	30
Perfluorooctanesulfonamide (FOSA)			40.0	39.4		ng/L		99	60 - 135	6	30
NEtFOSA			40.0	37.8		ng/L		94	60 - 135	3	30
NMeFOSA			40.0	39.5		ng/L		99	60 - 135	3	30
NMeFOSAA			40.0	35.4		ng/L		88	60 - 135	10	30
NEtFOSAA			40.0	39.0		ng/L		98	60 - 135	5	30
NMeFOSE			40.0	36.3		ng/L		91	60 - 135	3	30

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

Lab Sample ID: LCSD 320-540981/3-A
Matrix: Water
Analysis Batch: 541200

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 540981

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
NEtFOSE			40.0	37.5		ng/L		94	60 - 135	4	30
4:2 FTS			37.4	31.4		ng/L		84	60 - 135	14	30
6:2 FTS			37.9	39.0		ng/L		103	60 - 135	2	30
8:2 FTS			38.3	40.2		ng/L		105	60 - 135	10	30
10:2 FTS			38.6	31.0		ng/L		80	60 - 135	19	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)			37.7	36.9		ng/L		98	60 - 135	4	30
HFPO-DA (GenX)			40.0	35.5		ng/L		89	60 - 135	8	30
9Cl-PF3ONS			37.3	35.3		ng/L		95	60 - 135	7	30
11Cl-PF3OUdS			37.7	34.8		ng/L		92	60 - 135	3	30

Isotope Dilution	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
13C4 PFBA	*68*		*25 - 150*
13C5 PFPeA	*72*		*25 - 150*
13C2 PFHxA	*69*		*25 - 150*
13C4 PFHpA	*65*		*25 - 150*
13C4 PFOA	*67*		*25 - 150*
13C5 PFNA	*70*		*25 - 150*
13C2 PFDA	*67*		*25 - 150*
13C2 PFUnA	*75*		*25 - 150*
13C2 PFDoA	*73*		*25 - 150*
13C2 PFTeDA	*75*		*25 - 150*
13C2 PFHxDA	*77*		*25 - 150*
13C3 PFBS	*85*		*25 - 150*
18O2 PFHxS	*63*		*25 - 150*
13C4 PFOS	*68*		*25 - 150*
13C8 FOSA	*67*		*10 - 150*
d3-NMeFOSAA	*74*		*25 - 150*
d5-NEtFOSAA	*74*		*25 - 150*
d-N-MeFOSA-M	*60*		*10 - 150*
d-N-EtFOSA-M	*67*		*10 - 150*
d7-N-MeFOSE-M	*72*		*10 - 150*
d9-N-EtFOSE-M	*66*		*10 - 150*
M2-4:2 FTS	*57*		*25 - 150*
M2-6:2 FTS	*47*		*25 - 150*
M2-8:2 FTS	*50*		*25 - 150*
13C3 HFPO-DA	*76*		*25 - 150*
13C2 10:2 FTS	*61*		*25 - 150*

LCMS

Prep Batch: 540981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81220-3	Well 9	Total/NA	Water	3535	
320-81220-4	N. Absorption Pond	Total/NA	Water	3535	
320-81220-5	Well 14	Total/NA	Water	3535	
320-81220-6	Well 24	Total/NA	Water	3535	
320-81220-7	WW Outfall	Total/NA	Water	3535	
320-81220-8	Well 21	Total/NA	Water	3535	
320-81220-9	Well 13	Total/NA	Water	3535	
320-81220-10	Well 12	Total/NA	Water	3535	
320-81220-11	Well 18	Total/NA	Water	3535	
320-81220-12	Chip Riv. Upstream	Total/NA	Water	3535	
320-81220-13	Chip Riv. Downstream	Total/NA	Water	3535	
MB 320-540981/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-540981/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-540981/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 541200

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 320-540981/1-A	Method Blank	Total/NA	Water	537 (modified)	540981
LCS 320-540981/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	540981
LCSD 320-540981/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	540981

Analysis Batch: 541273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81220-8	Well 21	Total/NA	Water	537 (modified)	540981
320-81220-9	Well 13	Total/NA	Water	537 (modified)	540981
320-81220-10	Well 12	Total/NA	Water	537 (modified)	540981
320-81220-11	Well 18	Total/NA	Water	537 (modified)	540981
320-81220-12	Chip Riv. Upstream	Total/NA	Water	537 (modified)	540981
320-81220-13	Chip Riv. Downstream	Total/NA	Water	537 (modified)	540981

Analysis Batch: 541770

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-81220-3	Well 9	Total/NA	Water	537 (modified)	540981
320-81220-4	N. Absorption Pond	Total/NA	Water	537 (modified)	540981
320-81220-5	Well 14	Total/NA	Water	537 (modified)	540981
320-81220-6	Well 24	Total/NA	Water	537 (modified)	540981
320-81220-7	WW Outfall	Total/NA	Water	537 (modified)	540981

Lab Chronicle

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

Job ID: 320-81220-2

Client Sample ID: Well 9
Date Collected: 11/03/21 11:26
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-3
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			245 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541770	11/10/21 15:23	S1M	TAL SAC

Client Sample ID: N. Absorption Pond
Date Collected: 11/03/21 11:31
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-4
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			264.7 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541770	11/10/21 15:33	S1M	TAL SAC

Client Sample ID: Well 14
Date Collected: 11/03/21 11:40
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-5
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			255.3 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541770	11/10/21 15:43	S1M	TAL SAC

Client Sample ID: Well 24
Date Collected: 11/03/21 11:44
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-6
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			266.6 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541770	11/10/21 15:54	S1M	TAL SAC

Client Sample ID: WW Outfall
Date Collected: 11/03/21 11:50
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-7
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			261 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541770	11/10/21 16:04	S1M	TAL SAC

Client Sample ID: Well 21
Date Collected: 11/03/21 11:57
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-8
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			259 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541273	11/09/21 11:23	JY1	TAL SAC

Lab Chronicle

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

Job ID: 320-81220-2

Client Sample ID: Well 13
Date Collected: 11/03/21 12:04
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-9
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			259.9 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541273	11/09/21 11:33	JY1	TAL SAC

Client Sample ID: Well 12
Date Collected: 11/03/21 12:12
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-10
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			257.7 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541273	11/09/21 11:44	JY1	TAL SAC

Client Sample ID: Well 18
Date Collected: 11/03/21 12:17
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-11
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			262.9 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541273	11/09/21 11:54	JY1	TAL SAC

Client Sample ID: Chip Riv. Upstream
Date Collected: 11/03/21 12:36
Date Received: 11/03/21 14:53

Lab Sample ID: 320-81220-12
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			252.2 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541273	11/09/21 12:05	JY1	TAL SAC

Client Sample ID: Chip Riv. Downstream
Date Collected: 11/03/21 12:22
Date Received: 11/04/21 09:50

Lab Sample ID: 320-81220-13
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			261.2 mL	10.0 mL	540981	11/08/21 13:42	KJW	TAL SAC
Total/NA	Analysis	537 (modified)		1			541273	11/09/21 12:15	JY1	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 320-81220-2

Laboratory: Eurofins TestAmerica, Sacramento

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

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

Method Summary

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

Job ID: 320-81220-2

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: 320-81220-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-81220-3	Well 9	Water	11/03/21 11:26	11/03/21 14:53
320-81220-4	N. Absorption Pond	Water	11/03/21 11:31	11/03/21 14:53
320-81220-5	Well 14	Water	11/03/21 11:40	11/03/21 14:53
320-81220-6	Well 24	Water	11/03/21 11:44	11/03/21 14:53
320-81220-7	WW Outfall	Water	11/03/21 11:50	11/03/21 14:53
320-81220-8	Well 21	Water	11/03/21 11:57	11/03/21 14:53
320-81220-9	Well 13	Water	11/03/21 12:04	11/03/21 14:53
320-81220-10	Well 12	Water	11/03/21 12:12	11/03/21 14:53
320-81220-11	Well 18	Water	11/03/21 12:17	11/03/21 14:53
320-81220-12	Chip Riv. Upstream	Water	11/03/21 12:36	11/03/21 14:53
320-81220-13	Chip Riv. Downstream	Water	11/03/21 12:22	11/04/21 09:50

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ty Fadness	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 320-44443-10138.1
Client Contact: Ty Fadness	Phone:	E-Mail: sandra.fredrick@eurofinset.com	State of Origin:	Page: Page 1 of 2
Company: City of Eau Claire	PWSID:			Job #:

Address: 203 S Farwell	Due Date Requested: Standard
City: Eau Claire	TAT Requested (days): Standard
State, Zip: WI, 54701	Compliance Project: Δ Yes Δ No
Phone:	PO #: 50210879-00
Email: Tyler.Fadness@EauclaireWi.Gov	WO #:
Project Name: PFAS Testing	Project #: 32012617
Site:	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Extended List (36 Analytes)	PFC_IDA_WI - PFAS, Standard List (36 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:							
Chip Riv. Upstream	11/3/21	1236	G	Water			✓			
				Water						
				Water						
Revised sample not on COC				Water						
Chip Riv. Down Stream	11/3/21	12122		Water						
Added to end of the LO Sm. dlm 11/8/21				Water						
				Water						
				Water						
				Water						
				Water						
				Water						
				Water						

320-81220 Chain of Custody

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time: 11/3/21 1600	Company: City of EC	Received by:	Date/Time: 11-8-21 9:50	Company: EETSA
Relinquished by:	Date/Time:	Company	Received by	Date/Time:	Company
Relinquished by	Date/Time	Company	Received by	Date/Time	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.: 160224	Cooler Temperature(s) °C and Other Remarks: 7.1

Ver: 06/08/2021

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

Chain of Custody Record

eurofins Environment Testing America

Client Information	Sampler: Ty Fadness	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 320-44443-10138.2
Client Contact: Ty Fadness	Phone: 715-839-6121	E-Mail: sandra.fredrick@eurofinset.com	State of Origin:	Page: Page 2 of 2
Company: City of Eau Claire	PWSID:			Job #:
Address: 203 S Farwell	Due Date Requested: 11/5 For Entry Pt. Standard for all others.			
City: Eau Claire	TAT Requested (days): 1-DAY TAT for Entry Point. Standard for all others.			
State, Zip: WI, 54701	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 50210879-00			
Email: Tyler.Fadness@EauclaireWI.Gov	WO #:			
Project Name: PFAS Testing	Project #: 32012617			
Site:	SSOW#:			

Analysis Requested

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, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA - PFAS, Extended List (36 Analytes)	PFC_IDA_WI - PFAS, Standard List (18 Analytes)	Total Number of containers	Special Instructions/Note:
		1855	Preservation Code:							
Entry Point - Line 1	11/3/21	~~1059~~	G	Water			X			
EP-FB	11/3/21	1103	G	Water			X			
Well 9	11/3/21	1126	G	Water			X			
N. Absorption Pond	11/3/21	1131	G	Water			X			
Well 14	11/3/21	1140	G				X			
Well 24	11/3/21	1144	G				X			
WW Outfall	11/3/21	1150	G				X			
Well 21	11/3/21	1157	G				X			
Well 13	11/3/21	1204	G				X			
Well 12	11/3/21	1212	G				X			
Well 18	11/3/21	1217	G				X			

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

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

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

Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	11/3/21 1600	City of EC	[signature]	11-8-21 09:50	EETSAC
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Δ Yes Δ No | Custody Seal No: 101224 | Cooler Temperature(s) °C and Other Remarks: 7.1

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: City of Eau Claire

Job Number: 320-81220-2

Login Number: 81220
List Number: 1
Creator: Oropeza, Salvador

List Source: Eurofins TestAmerica, Sacramento

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	16012224
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	False	Water present in cooler; indicates evidence of melted ice.
Cooler Temperature is acceptable.	False	Cooler temperature outside required temperature criteria.
Cooler Temperature is recorded.	True	7.1C
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	