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ANALYTICAL REPORT

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

Laboratory Job ID: 500-217382-1
Client Project/Site: PFAS Testing

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

Attn: Ty Fadness

Authorized for release by:
6/20/2022 7:43:47 AM

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Case Narrative

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

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Narrative

Job Narrative
500-217382-1

Comments
No additional comments.

Receipt
The samples were received on 6/2/2022 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.3º C.

LCMS
Method 537 (modified): A "C" flag indicates that 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.
Well 6 (500-217382-2)

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

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

Detection Summary

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

Job ID: 500-217382-1

Client Sample ID: WW Outfall — Lab Sample ID: 500-217382-1

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.8		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	10		1.8	0.45	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	8.2		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.3		1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.5		1.8	0.78	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.8		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	6.1		1.8	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	48		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	1.2	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	23		1.8	0.50	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 6 — Lab Sample ID: 500-217382-2

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.7		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.0		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.8		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.4	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.9		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	0.27	J C	1.8	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.2		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	3.6		1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	24		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.55	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.4		1.8	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 14 — Lab Sample ID: 500-217382-3

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.7		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.2		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.0		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	0.77	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.9		1.8	0.77	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.3		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	4.4		1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	33		1.8	0.51	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.62	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	10		1.8	0.49	ng/L	1		537 (modified)	Total/NA

Client Sample ID: Well 9 — Lab Sample ID: 500-217382-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	7.8		4.5	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.7		1.8	0.44	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.6		1.8	0.53	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.5	J	1.8	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.0		1.8	0.77	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins Chicago

Client Sample ID: Well 9 (Continued)

Lab Sample ID: 500-217382-4

Analyte	Result	Qualifier	LOQ	LOD	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	5.8		1.8	0.18	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	6.7		1.8	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	46		1.8	0.52	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.96	J	1.8	0.17	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	15		1.8	0.49	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Method Summary

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

Job ID: 500-217382-1

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

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 500-217382-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-217382-1	WW Outfall	Water	06/01/22 11:24	06/02/22 09:00
500-217382-2	Well 6	Water	06/01/22 11:40	06/02/22 09:00
500-217382-3	Well 14	Water	06/01/22 11:49	06/02/22 09:00
500-217382-4	Well 9	Water	06/01/22 11:55	06/02/22 09:00

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

Job ID: 500-217382-1

Client Sample ID: WW Outfall

Date Collected: 06/01/22 11:24
Date Received: 06/02/22 09:00

Lab Sample ID: 500-217382-1

Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**5.8**		4.6	2.2	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluoropentanoic acid (PFPeA)	**10**		1.8	0.45	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorohexanoic acid (PFHxA)	**8.2**		1.8	0.53	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluoroheptanoic acid (PFHpA)	**2.3**		1.8	0.23	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorooctanoic acid (PFOA)	**4.5**		1.8	0.78	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.82		1.8	0.82	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.86		1.8	0.86	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorobutanesulfonic acid (PFBS)	**5.8**		1.8	0.18	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluoropentanesulfonic acid (PFPeS)	**6.1**		1.8	0.28	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorohexanesulfonic acid (PFHxS)	**48**		1.8	0.52	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluoroheptanesulfonic acid (PFHpS)	**1.2**	**J**	1.8	0.17	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorooctanesulfonic acid (PFOS)	**23**		1.8	0.50	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		06/15/22 05:15	06/16/22 22:19	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		06/15/22 05:15	06/16/22 22:19	1
NEtFOSA	<0.80		1.8	0.80	ng/L		06/15/22 05:15	06/16/22 22:19	1
NMeFOSA	<0.39		1.8	0.39	ng/L		06/15/22 05:15	06/16/22 22:19	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		06/15/22 05:15	06/16/22 22:19	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		06/15/22 05:15	06/16/22 22:19	1
NMeFOSE	<1.3		3.7	1.3	ng/L		06/15/22 05:15	06/16/22 22:19	1
NEtFOSE	<0.78		1.8	0.78	ng/L		06/15/22 05:15	06/16/22 22:19	1
4:2 FTS	<0.22		1.8	0.22	ng/L		06/15/22 05:15	06/16/22 22:19	1
6:2 FTS	<2.3		4.6	2.3	ng/L		06/15/22 05:15	06/16/22 22:19	1
8:2 FTS	<0.42		1.8	0.42	ng/L		06/15/22 05:15	06/16/22 22:19	1
10:2 FTS	<0.61		1.8	0.61	ng/L		06/15/22 05:15	06/16/22 22:19	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		06/15/22 05:15	06/16/22 22:19	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		06/15/22 05:15	06/16/22 22:19	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		06/15/22 05:15	06/16/22 22:19	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		06/15/22 05:15	06/16/22 22:19	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*94*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:19*	*1*
13C5 PFPeA	*96*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:19*	*1*
13C2 PFHxA	*99*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:19*	*1*
13C4 PFHpA	*102*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:19*	*1*
13C4 PFOA	*104*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:19*	*1*

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

Job ID: 500-217382-1

Client Sample ID: WW Outfall
Date Collected: 06/01/22 11:24
Date Received: 06/02/22 09:00

Lab Sample ID: 500-217382-1
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	97		25 - 150	06/15/22 05:15	06/16/22 22:19	1
13C2 PFDA	95		25 - 150	06/15/22 05:15	06/16/22 22:19	1
13C2 PFUnA	95		25 - 150	06/15/22 05:15	06/16/22 22:19	1
13C2 PFDoA	91		25 - 150	06/15/22 05:15	06/16/22 22:19	1
13C2 PFTeDA	90		25 - 150	06/15/22 05:15	06/16/22 22:19	1
13C2 PFHxDA	98		25 - 150	06/15/22 05:15	06/16/22 22:19	1
13C3 PFBS	98		25 - 150	06/15/22 05:15	06/16/22 22:19	1
18O2 PFHxS	93		25 - 150	06/15/22 05:15	06/16/22 22:19	1
13C4 PFOS	90		25 - 150	06/15/22 05:15	06/16/22 22:19	1
13C8 FOSA	90		10 - 150	06/15/22 05:15	06/16/22 22:19	1
d3-NMeFOSAA	96		25 - 150	06/15/22 05:15	06/16/22 22:19	1
d5-NEtFOSAA	91		25 - 150	06/15/22 05:15	06/16/22 22:19	1
d-N-MeFOSA-M	73		10 - 150	06/15/22 05:15	06/16/22 22:19	1
d-N-EtFOSA-M	78		10 - 150	06/15/22 05:15	06/16/22 22:19	1
d7-N-MeFOSE-M	82		10 - 150	06/15/22 05:15	06/16/22 22:19	1
d9-N-EtFOSE-M	84		10 - 150	06/15/22 05:15	06/16/22 22:19	1
M2-4:2 FTS	94		25 - 150	06/15/22 05:15	06/16/22 22:19	1
M2-6:2 FTS	93		25 - 150	06/15/22 05:15	06/16/22 22:19	1
M2-8:2 FTS	101		25 - 150	06/15/22 05:15	06/16/22 22:19	1
13C3 HFPO-DA	99		25 - 150	06/15/22 05:15	06/16/22 22:19	1
13C2 10:2 FTS	89		25 - 150	06/15/22 05:15	06/16/22 22:19	1

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

Job ID: 500-217382-1

Client Sample ID: Well 6
Date Collected: 06/01/22 11:40
Date Received: 06/02/22 09:00

Lab Sample ID: 500-217382-2
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.7**		4.5	2.2	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluoropentanoic acid (PFPeA)	**4.0**		1.8	0.44	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorohexanoic acid (PFHxA)	**3.8**		1.8	0.52	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluoroheptanoic acid (PFHpA)	**1.4**	**J**	1.8	0.23	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorooctanoic acid (PFOA)	**2.9**		1.8	0.77	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorononanoic acid (PFNA)	**0.27**	**J C**	1.8	0.24	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.80		1.8	0.80	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.85		1.8	0.85	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorobutanesulfonic acid (PFBS)	**3.2**		1.8	0.18	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluoropentanesulfonic acid (PFPeS)	**3.6**		1.8	0.27	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorohexanesulfonic acid (PFHxS)	**24**		1.8	0.51	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluoroheptanesulfonic acid (PFHpS)	**0.55**	**J**	1.8	0.17	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorooctanesulfonic acid (PFOS)	**8.4**		1.8	0.49	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		06/15/22 05:15	06/16/22 22:29	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		06/15/22 05:15	06/16/22 22:29	1
NEtFOSA	<0.79		1.8	0.79	ng/L		06/15/22 05:15	06/16/22 22:29	1
NMeFOSA	<0.39		1.8	0.39	ng/L		06/15/22 05:15	06/16/22 22:29	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		06/15/22 05:15	06/16/22 22:29	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		06/15/22 05:15	06/16/22 22:29	1
NMeFOSE	<1.3		3.6	1.3	ng/L		06/15/22 05:15	06/16/22 22:29	1
NEtFOSE	<0.77		1.8	0.77	ng/L		06/15/22 05:15	06/16/22 22:29	1
4:2 FTS	<0.22		1.8	0.22	ng/L		06/15/22 05:15	06/16/22 22:29	1
6:2 FTS	<2.3		4.5	2.3	ng/L		06/15/22 05:15	06/16/22 22:29	1
8:2 FTS	<0.42		1.8	0.42	ng/L		06/15/22 05:15	06/16/22 22:29	1
10:2 FTS	<0.60		1.8	0.60	ng/L		06/15/22 05:15	06/16/22 22:29	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		06/15/22 05:15	06/16/22 22:29	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		06/15/22 05:15	06/16/22 22:29	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		06/15/22 05:15	06/16/22 22:29	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		06/15/22 05:15	06/16/22 22:29	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*87*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:29*	*1*
13C5 PFPeA	*95*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:29*	*1*
13C2 PFHxA	*93*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:29*	*1*
13C4 PFHpA	*96*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:29*	*1*
13C4 PFOA	*97*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:29*	*1*

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

Job ID: 500-217382-1

Client Sample ID: Well 6
Date Collected: 06/01/22 11:40
Date Received: 06/02/22 09:00

Lab Sample ID: 500-217382-2
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	99		25 - 150	06/15/22 05:15	06/16/22 22:29	1
13C2 PFDA	95		25 - 150	06/15/22 05:15	06/16/22 22:29	1
13C2 PFUnA	91		25 - 150	06/15/22 05:15	06/16/22 22:29	1
13C2 PFDoA	92		25 - 150	06/15/22 05:15	06/16/22 22:29	1
13C2 PFTeDA	85		25 - 150	06/15/22 05:15	06/16/22 22:29	1
13C2 PFHxDA	97		25 - 150	06/15/22 05:15	06/16/22 22:29	1
13C3 PFBS	94		25 - 150	06/15/22 05:15	06/16/22 22:29	1
18O2 PFHxS	94		25 - 150	06/15/22 05:15	06/16/22 22:29	1
13C4 PFOS	93		25 - 150	06/15/22 05:15	06/16/22 22:29	1
13C8 FOSA	93		10 - 150	06/15/22 05:15	06/16/22 22:29	1
d3-NMeFOSAA	92		25 - 150	06/15/22 05:15	06/16/22 22:29	1
d5-NEtFOSAA	90		25 - 150	06/15/22 05:15	06/16/22 22:29	1
d-N-MeFOSA-M	77		10 - 150	06/15/22 05:15	06/16/22 22:29	1
d-N-EtFOSA-M	81		10 - 150	06/15/22 05:15	06/16/22 22:29	1
d7-N-MeFOSE-M	78		10 - 150	06/15/22 05:15	06/16/22 22:29	1
d9-N-EtFOSE-M	80		10 - 150	06/15/22 05:15	06/16/22 22:29	1
M2-4:2 FTS	87		25 - 150	06/15/22 05:15	06/16/22 22:29	1
M2-6:2 FTS	102		25 - 150	06/15/22 05:15	06/16/22 22:29	1
M2-8:2 FTS	99		25 - 150	06/15/22 05:15	06/16/22 22:29	1
13C3 HFPO-DA	94		25 - 150	06/15/22 05:15	06/16/22 22:29	1
13C2 10:2 FTS	91		25 - 150	06/15/22 05:15	06/16/22 22:29	1

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

Job ID: 500-217382-1

Client Sample ID: Well 14
Date Collected: 06/01/22 11:49
Date Received: 06/02/22 09:00

Lab Sample ID: 500-217382-3
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**4.7**		4.5	2.2	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluoropentanoic acid (PFPeA)	**2.2**		1.8	0.44	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorohexanoic acid (PFHxA)	**2.0**		1.8	0.52	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluoroheptanoic acid (PFHpA)	**0.77**	**J**	1.8	0.23	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorooctanoic acid (PFOA)	**1.9**		1.8	0.77	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluoroundecanoic acid (PFUnA)	<0.99		1.8	0.99	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.80		1.8	0.80	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.85		1.8	0.85	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorobutanesulfonic acid (PFBS)	**4.3**		1.8	0.18	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluoropentanesulfonic acid (PFPeS)	**4.4**		1.8	0.27	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorohexanesulfonic acid (PFHxS)	**33**		1.8	0.51	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluoroheptanesulfonic acid (PFHpS)	**0.62**	**J**	1.8	0.17	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorooctanesulfonic acid (PFOS)	**10**		1.8	0.49	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorononanesulfonic acid (PFNS)	<0.33		1.8	0.33	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		06/15/22 05:15	06/16/22 22:39	1
Perfluorooctanesulfonamide (FOSA)	<0.88		1.8	0.88	ng/L		06/15/22 05:15	06/16/22 22:39	1
NEtFOSA	<0.79		1.8	0.79	ng/L		06/15/22 05:15	06/16/22 22:39	1
NMeFOSA	<0.39		1.8	0.39	ng/L		06/15/22 05:15	06/16/22 22:39	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		06/15/22 05:15	06/16/22 22:39	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		06/15/22 05:15	06/16/22 22:39	1
NMeFOSE	<1.3		3.6	1.3	ng/L		06/15/22 05:15	06/16/22 22:39	1
NEtFOSE	<0.77		1.8	0.77	ng/L		06/15/22 05:15	06/16/22 22:39	1
4:2 FTS	<0.22		1.8	0.22	ng/L		06/15/22 05:15	06/16/22 22:39	1
6:2 FTS	<2.3		4.5	2.3	ng/L		06/15/22 05:15	06/16/22 22:39	1
8:2 FTS	<0.42		1.8	0.42	ng/L		06/15/22 05:15	06/16/22 22:39	1
10:2 FTS	<0.60		1.8	0.60	ng/L		06/15/22 05:15	06/16/22 22:39	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		06/15/22 05:15	06/16/22 22:39	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		06/15/22 05:15	06/16/22 22:39	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		06/15/22 05:15	06/16/22 22:39	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		06/15/22 05:15	06/16/22 22:39	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*86*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:39*	*1*
13C5 PFPeA	*90*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:39*	*1*
13C2 PFHxA	*94*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:39*	*1*
13C4 PFHpA	*93*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:39*	*1*
13C4 PFOA	*93*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:39*	*1*

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

Job ID: 500-217382-1

Client Sample ID: Well 14
Date Collected: 06/01/22 11:49
Date Received: 06/02/22 09:00

Lab Sample ID: 500-217382-3
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	94		25 - 150	06/15/22 05:15	06/16/22 22:39	1
13C2 PFDA	88		25 - 150	06/15/22 05:15	06/16/22 22:39	1
13C2 PFUnA	93		25 - 150	06/15/22 05:15	06/16/22 22:39	1
13C2 PFDoA	92		25 - 150	06/15/22 05:15	06/16/22 22:39	1
13C2 PFTeDA	83		25 - 150	06/15/22 05:15	06/16/22 22:39	1
13C2 PFHxDA	95		25 - 150	06/15/22 05:15	06/16/22 22:39	1
13C3 PFBS	90		25 - 150	06/15/22 05:15	06/16/22 22:39	1
18O2 PFHxS	85		25 - 150	06/15/22 05:15	06/16/22 22:39	1
13C4 PFOS	83		25 - 150	06/15/22 05:15	06/16/22 22:39	1
13C8 FOSA	88		10 - 150	06/15/22 05:15	06/16/22 22:39	1
d3-NMeFOSAA	92		25 - 150	06/15/22 05:15	06/16/22 22:39	1
d5-NEtFOSAA	91		25 - 150	06/15/22 05:15	06/16/22 22:39	1
d-N-MeFOSA-M	74		10 - 150	06/15/22 05:15	06/16/22 22:39	1
d-N-EtFOSA-M	79		10 - 150	06/15/22 05:15	06/16/22 22:39	1
d7-N-MeFOSE-M	79		10 - 150	06/15/22 05:15	06/16/22 22:39	1
d9-N-EtFOSE-M	77		10 - 150	06/15/22 05:15	06/16/22 22:39	1
M2-4:2 FTS	80		25 - 150	06/15/22 05:15	06/16/22 22:39	1
M2-6:2 FTS	88		25 - 150	06/15/22 05:15	06/16/22 22:39	1
M2-8:2 FTS	97		25 - 150	06/15/22 05:15	06/16/22 22:39	1
13C3 HFPO-DA	93		25 - 150	06/15/22 05:15	06/16/22 22:39	1
13C2 10:2 FTS	83		25 - 150	06/15/22 05:15	06/16/22 22:39	1

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

Job ID: 500-217382-1

Client Sample ID: Well 9
Date Collected: 06/01/22 11:55
Date Received: 06/02/22 09:00

Lab Sample ID: 500-217382-4
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	**7.8**		4.5	2.2	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluoropentanoic acid (PFPeA)	**3.7**		1.8	0.44	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorohexanoic acid (PFHxA)	**3.6**		1.8	0.53	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluoroheptanoic acid (PFHpA)	**1.5**	**J**	1.8	0.23	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorooctanoic acid (PFOA)	**3.0**		1.8	0.77	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorononanoic acid (PFNA)	<0.24		1.8	0.24	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorodecanoic acid (PFDA)	<0.28		1.8	0.28	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorododecanoic acid (PFDoA)	<0.50		1.8	0.50	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorotetradecanoic acid (PFTeA)	<0.66		1.8	0.66	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.81		1.8	0.81	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.85		1.8	0.85	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorobutanesulfonic acid (PFBS)	**5.8**		1.8	0.18	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluoropentanesulfonic acid (PFPeS)	**6.7**		1.8	0.27	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorohexanesulfonic acid (PFHxS)	**46**		1.8	0.52	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluoroheptanesulfonic acid (PFHpS)	**0.96**	**J**	1.8	0.17	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorooctanesulfonic acid (PFOS)	**15**		1.8	0.49	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorododecanesulfonic acid (PFDoS)	<0.88		1.8	0.88	ng/L		06/15/22 05:15	06/16/22 22:49	1
Perfluorooctanesulfonamide (FOSA)	<0.89		1.8	0.89	ng/L		06/15/22 05:15	06/16/22 22:49	1
NEtFOSA	<0.79		1.8	0.79	ng/L		06/15/22 05:15	06/16/22 22:49	1
NMeFOSA	<0.39		1.8	0.39	ng/L		06/15/22 05:15	06/16/22 22:49	1
NMeFOSAA	<1.1		4.5	1.1	ng/L		06/15/22 05:15	06/16/22 22:49	1
NEtFOSAA	<1.2		4.5	1.2	ng/L		06/15/22 05:15	06/16/22 22:49	1
NMeFOSE	<1.3		3.6	1.3	ng/L		06/15/22 05:15	06/16/22 22:49	1
NEtFOSE	<0.77		1.8	0.77	ng/L		06/15/22 05:15	06/16/22 22:49	1
4:2 FTS	<0.22		1.8	0.22	ng/L		06/15/22 05:15	06/16/22 22:49	1
6:2 FTS	<2.3		4.5	2.3	ng/L		06/15/22 05:15	06/16/22 22:49	1
8:2 FTS	<0.42		1.8	0.42	ng/L		06/15/22 05:15	06/16/22 22:49	1
10:2 FTS	<0.61		1.8	0.61	ng/L		06/15/22 05:15	06/16/22 22:49	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.36		1.8	0.36	ng/L		06/15/22 05:15	06/16/22 22:49	1
HFPO-DA (GenX)	<1.4		3.6	1.4	ng/L		06/15/22 05:15	06/16/22 22:49	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		06/15/22 05:15	06/16/22 22:49	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		06/15/22 05:15	06/16/22 22:49	1

Isotope Dilution	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*88*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:49*	*1*
13C5 PFPeA	*90*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:49*	*1*
13C2 PFHxA	*95*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:49*	*1*
13C4 PFHpA	*95*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:49*	*1*
13C4 PFOA	*94*		*25 - 150*	*06/15/22 05:15*	*06/16/22 22:49*	*1*

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

Job ID: 500-217382-1

Client Sample ID: Well 9
Date Collected: 06/01/22 11:55
Date Received: 06/02/22 09:00

Lab Sample ID: 500-217382-4
Matrix: Water

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

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C5 PFNA	93		25 - 150	06/15/22 05:15	06/16/22 22:49	1
13C2 PFDA	88		25 - 150	06/15/22 05:15	06/16/22 22:49	1
13C2 PFUnA	91		25 - 150	06/15/22 05:15	06/16/22 22:49	1
13C2 PFDoA	88		25 - 150	06/15/22 05:15	06/16/22 22:49	1
13C2 PFTeDA	82		25 - 150	06/15/22 05:15	06/16/22 22:49	1
13C2 PFHxDA	89		25 - 150	06/15/22 05:15	06/16/22 22:49	1
13C3 PFBS	87		25 - 150	06/15/22 05:15	06/16/22 22:49	1
18O2 PFHxS	89		25 - 150	06/15/22 05:15	06/16/22 22:49	1
13C4 PFOS	84		25 - 150	06/15/22 05:15	06/16/22 22:49	1
13C8 FOSA	87		10 - 150	06/15/22 05:15	06/16/22 22:49	1
d3-NMeFOSAA	91		25 - 150	06/15/22 05:15	06/16/22 22:49	1
d5-NEtFOSAA	89		25 - 150	06/15/22 05:15	06/16/22 22:49	1
d-N-MeFOSA-M	68		10 - 150	06/15/22 05:15	06/16/22 22:49	1
d-N-EtFOSA-M	74		10 - 150	06/15/22 05:15	06/16/22 22:49	1
d7-N-MeFOSE-M	77		10 - 150	06/15/22 05:15	06/16/22 22:49	1
d9-N-EtFOSE-M	77		10 - 150	06/15/22 05:15	06/16/22 22:49	1
M2-4:2 FTS	79		25 - 150	06/15/22 05:15	06/16/22 22:49	1
M2-6:2 FTS	87		25 - 150	06/15/22 05:15	06/16/22 22:49	1
M2-8:2 FTS	91		25 - 150	06/15/22 05:15	06/16/22 22:49	1
13C3 HFPO-DA	92		25 - 150	06/15/22 05:15	06/16/22 22:49	1
13C2 10:2 FTS	84		25 - 150	06/15/22 05:15	06/16/22 22:49	1

Definitions/Glossary

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

Job ID: 500-217382-1

Qualifiers

LCMS

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

Glossary

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

QC Association Summary

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

Job ID: 500-217382-1

LCMS

Prep Batch: 595561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217382-1	WW Outfall	Total/NA	Water	3535	
500-217382-2	Well 6	Total/NA	Water	3535	
500-217382-3	Well 14	Total/NA	Water	3535	
500-217382-4	Well 9	Total/NA	Water	3535	
MB 320-595561/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-595561/2-A	Lab Control Sample	Total/NA	Water	3535	

Analysis Batch: 596531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-217382-1	WW Outfall	Total/NA	Water	537 (modified)	595561
500-217382-2	Well 6	Total/NA	Water	537 (modified)	595561
500-217382-3	Well 14	Total/NA	Water	537 (modified)	595561
500-217382-4	Well 9	Total/NA	Water	537 (modified)	595561
MB 320-595561/1-A	Method Blank	Total/NA	Water	537 (modified)	595561
LCS 320-595561/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	595561

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-595561/1-A
Matrix: Water
Analysis Batch: 596531

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 595561

Analyte	MB Result	MB Qualifier	LOQ	LOD	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.94		2.0	0.94	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		06/15/22 05:15	06/16/22 21:59	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		06/15/22 05:15	06/16/22 21:59	1
NEtFOSA	<0.87		2.0	0.87	ng/L		06/15/22 05:15	06/16/22 21:59	1
NMeFOSA	<0.43		2.0	0.43	ng/L		06/15/22 05:15	06/16/22 21:59	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		06/15/22 05:15	06/16/22 21:59	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		06/15/22 05:15	06/16/22 21:59	1
NMeFOSE	<1.4		4.0	1.4	ng/L		06/15/22 05:15	06/16/22 21:59	1
NEtFOSE	<0.85		2.0	0.85	ng/L		06/15/22 05:15	06/16/22 21:59	1
4:2 FTS	<0.24		2.0	0.24	ng/L		06/15/22 05:15	06/16/22 21:59	1
6:2 FTS	<2.5		5.0	2.5	ng/L		06/15/22 05:15	06/16/22 21:59	1
8:2 FTS	<0.46		2.0	0.46	ng/L		06/15/22 05:15	06/16/22 21:59	1
10:2 FTS	<0.67		2.0	0.67	ng/L		06/15/22 05:15	06/16/22 21:59	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		06/15/22 05:15	06/16/22 21:59	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		06/15/22 05:15	06/16/22 21:59	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		06/15/22 05:15	06/16/22 21:59	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		06/15/22 05:15	06/16/22 21:59	1

Isotope Dilution	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
13C4 PFBA	*90*		*25 - 150*	*06/15/22 05:15*	*06/16/22 21:59*	*1*
13C5 PFPeA	*94*		*25 - 150*	*06/15/22 05:15*	*06/16/22 21:59*	*1*
13C2 PFHxA	*98*		*25 - 150*	*06/15/22 05:15*	*06/16/22 21:59*	*1*
13C4 PFHpA	*99*		*25 - 150*	*06/15/22 05:15*	*06/16/22 21:59*	*1*
13C4 PFOA	*99*		*25 - 150*	*06/15/22 05:15*	*06/16/22 21:59*	*1*
13C5 PFNA	*96*		*25 - 150*	*06/15/22 05:15*	*06/16/22 21:59*	*1*

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

Lab Sample ID: MB 320-595561/1-A
Matrix: Water
Analysis Batch: 596531

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 595561

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFDA	94		25 - 150	06/15/22 05:15	06/16/22 21:59	1
13C2 PFUnA	97		25 - 150	06/15/22 05:15	06/16/22 21:59	1
13C2 PFDoA	93		25 - 150	06/15/22 05:15	06/16/22 21:59	1
13C2 PFTeDA	90		25 - 150	06/15/22 05:15	06/16/22 21:59	1
13C2 PFHxDA	94		25 - 150	06/15/22 05:15	06/16/22 21:59	1
13C3 PFBS	96		25 - 150	06/15/22 05:15	06/16/22 21:59	1
18O2 PFHxS	91		25 - 150	06/15/22 05:15	06/16/22 21:59	1
13C4 PFOS	89		25 - 150	06/15/22 05:15	06/16/22 21:59	1
13C8 FOSA	90		10 - 150	06/15/22 05:15	06/16/22 21:59	1
d3-NMeFOSAA	100		25 - 150	06/15/22 05:15	06/16/22 21:59	1
d5-NEtFOSAA	97		25 - 150	06/15/22 05:15	06/16/22 21:59	1
d-N-MeFOSA-M	68		10 - 150	06/15/22 05:15	06/16/22 21:59	1
d-N-EtFOSA-M	71		10 - 150	06/15/22 05:15	06/16/22 21:59	1
d7-N-MeFOSE-M	81		10 - 150	06/15/22 05:15	06/16/22 21:59	1
d9-N-EtFOSE-M	82		10 - 150	06/15/22 05:15	06/16/22 21:59	1
M2-4:2 FTS	94		25 - 150	06/15/22 05:15	06/16/22 21:59	1
M2-6:2 FTS	101		25 - 150	06/15/22 05:15	06/16/22 21:59	1
M2-8:2 FTS	106		25 - 150	06/15/22 05:15	06/16/22 21:59	1
13C3 HFPO-DA	96		25 - 150	06/15/22 05:15	06/16/22 21:59	1
13C2 10:2 FTS	93		25 - 150	06/15/22 05:15	06/16/22 21:59	1

Lab Sample ID: LCS 320-595561/2-A
Matrix: Water
Analysis Batch: 596531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 595561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluorobutanoic acid (PFBA)	40.0	40.1		ng/L		100	60 - 135
Perfluoropentanoic acid (PFPeA)	40.0	41.3		ng/L		103	60 - 135
Perfluorohexanoic acid (PFHxA)	40.0	39.6		ng/L		99	60 - 135
Perfluoroheptanoic acid (PFHpA)	40.0	38.7		ng/L		97	60 - 135
Perfluorooctanoic acid (PFOA)	40.0	41.7		ng/L		104	60 - 135
Perfluorononanoic acid (PFNA)	40.0	42.2		ng/L		105	60 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.3		ng/L		103	60 - 135
Perfluoroundecanoic acid (PFUnA)	40.0	43.5		ng/L		109	60 - 135
Perfluorododecanoic acid (PFDoA)	40.0	39.8		ng/L		99	60 - 135
Perfluorotridecanoic acid (PFTrDA)	40.0	40.4		ng/L		101	60 - 135
Perfluorotetradecanoic acid (PFTeA)	40.0	41.9		ng/L		105	60 - 135
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	42.1		ng/L		105	60 - 135
Perfluoro-n-octadecanoic acid (PFODA)	40.0	39.2		ng/L		98	60 - 135
Perfluorobutanesulfonic acid (PFBS)	35.4	34.5		ng/L		98	60 - 135
Perfluoropentanesulfonic acid (PFPeS)	37.5	38.0		ng/L		101	60 - 135
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.0		ng/L		93	60 - 135

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

Lab Sample ID: LCS 320-595561/2-A
Matrix: Water
Analysis Batch: 596531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 595561

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	38.1	40.8		ng/L		107	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	39.5		ng/L		107	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	43.2		ng/L		112	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	42.1		ng/L		109	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	40.1		ng/L		104	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	39.3		ng/L		98	60 - 135
NEtFOSA	40.0	42.9		ng/L		107	60 - 135
NMeFOSA	40.0	42.2		ng/L		105	60 - 135
NMeFOSAA	40.0	40.3		ng/L		101	60 - 135
NEtFOSAA	40.0	43.1		ng/L		108	60 - 135
NMeFOSE	40.0	44.8		ng/L		112	60 - 135
NEtFOSE	40.0	42.7		ng/L		107	60 - 135
4:2 FTS	37.4	38.4		ng/L		103	60 - 135
6:2 FTS	37.9	44.1		ng/L		116	60 - 135
8:2 FTS	38.3	36.9		ng/L		96	60 - 135
10:2 FTS	38.6	39.0		ng/L		101	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	41.8		ng/L		111	60 - 135
HFPO-DA (GenX)	40.0	43.5		ng/L		109	60 - 135
9Cl-PF3ONS	37.3	43.1		ng/L		116	60 - 135
11Cl-PF3OUdS	37.7	39.9		ng/L		106	60 - 135

Isotope Dilution	*LCS %Recovery*	*LCS Qualifier*	*Limits*
13C4 PFBA	*92*		*25 - 150*
13C5 PFPeA	*92*		*25 - 150*
13C2 PFHxA	*96*		*25 - 150*
13C4 PFHpA	*104*		*25 - 150*
13C4 PFOA	*100*		*25 - 150*
13C5 PFNA	*98*		*25 - 150*
13C2 PFDA	*96*		*25 - 150*
13C2 PFUnA	*97*		*25 - 150*
13C2 PFDoA	*98*		*25 - 150*
13C2 PFTeDA	*91*		*25 - 150*
13C2 PFHxDA	*95*		*25 - 150*
13C3 PFBS	*95*		*25 - 150*
18O2 PFHxS	*97*		*25 - 150*
13C4 PFOS	*89*		*25 - 150*
13C8 FOSA	*88*		*10 - 150*
d3-NMeFOSAA	*101*		*25 - 150*
d5-NEtFOSAA	*95*		*25 - 150*
d-N-MeFOSA-M	*61*		*10 - 150*
d-N-EtFOSA-M	*61*		*10 - 150*
d7-N-MeFOSE-M	*81*		*10 - 150*
d9-N-EtFOSE-M	*81*		*10 - 150*

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

Lab Sample ID: LCS 320-595561/2-A
Matrix: Water
Analysis Batch: 596531

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 595561

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
M2-4:2 FTS	93		25 - 150
M2-6:2 FTS	92		25 - 150
M2-8:2 FTS	110		25 - 150
13C3 HFPO-DA	95		25 - 150
13C2 10:2 FTS	93		25 - 150

Lab Chronicle

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

Job ID: 500-217382-1

Client Sample ID: WW Outfall
Lab Sample ID: 500-217382-1
Date Collected: 06/01/22 11:24
Matrix: Water
Date Received: 06/02/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			595561	06/15/22 05:15	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	596531	06/16/22 22:19	D1R	TAL SAC

Client Sample ID: Well 6
Lab Sample ID: 500-217382-2
Date Collected: 06/01/22 11:40
Matrix: Water
Date Received: 06/02/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			595561	06/15/22 05:15	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	596531	06/16/22 22:29	D1R	TAL SAC

Client Sample ID: Well 14
Lab Sample ID: 500-217382-3
Date Collected: 06/01/22 11:49
Matrix: Water
Date Received: 06/02/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			595561	06/15/22 05:15	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	596531	06/16/22 22:39	D1R	TAL SAC

Client Sample ID: Well 9
Lab Sample ID: 500-217382-4
Date Collected: 06/01/22 11:55
Matrix: Water
Date Received: 06/02/22 09:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			595561	06/15/22 05:15	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	596531	06/16/22 22:49	D1R	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

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

Job ID: 500-217382-1

Laboratory: Eurofins Sacramento

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

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

Eurofins 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: 500-100726-43338 2
Client Contact: Ty Fadness	Phone: 715-839-6121	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: City of Eau Claire	PWSID:			Job #: 500-217382
Address: 1000 Ferry Street	Due Date Requested: 6-13-22			
City: Eau Claire	TAT Requested (days): Standard			
State, Zip: WI 54703	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 50220192-00			
Email: Tyler Fadness@EauclaireWI Gov	WO #:			
Project Name: PFAS Testing	Project #: 50019745			
Site:	SSOW#:			

500-217382 COC

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=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	PFC_IDA_WI - PFAS, Extended List (36 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
1 WW Outfall	6/1/22	1124	G	Water			X		
2 Well 6	6/1/22	1140	G	Water			X		
3 Well 14	6/1/22	1149	G	Water			X		
4 Well 9	6/1/22	1155	G	Water			X		
				Water					
				Water					
				Water					
				Water					
				Water					

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
Tyler Fadness	6/1/22 1215	C. of EC			
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.	Cooler Temperature(s) °C and Other Remarks:

Ver: 06/08/2021

Eurofins 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: T-I Fadness	Lab PM: Fredrick, Sandie	Carrier Tracking No(s):	COC No: 500-100726-43338.2
Client Contact: Ty Fadness	Phone: 715-839-6121	E-Mail: Sandra.Fredrick@et.eurofinsus.com	State of Origin:	Page: Page 2 of 2
Company: City of Eau Claire	PWSID:			Job #:
Address: 1000 Ferry Street	Due Date Requested: 6-13-22			
City: Eau Claire	TAT Requested (days): Standard			
State, Zip: WI, 54703	Compliance Project: Δ Yes Δ No			
Phone:	PO #: 50220192-00			
Email: Tyler.Fadness@EauclaireWi.Gov	WO #:			
Project Name: PFAS Testing	Project #: 50019745			
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_WI - PFAS, Extended List (36 Analytes)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
WW Outfall	6/1/22	1124	G	Water			X		
Well 6	6/1/22	1140	G	Water			X		
Well 14	6/1/22	1149	G	Water			X		
Well 9	6/1/22	1155	G	Water			X		
				Water					
				Water					
				Water					
				Water					
				Water					

500-217382 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: Tyler Fadness	Date/Time: 6/1/22 1215	Company: C.ty of EC	Received by:	Date/Time: 6/2/22 900	Company: Fedex
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:
Relinquished by:	Date/Time:	Company:	Received by:	Date/Time:	Company:

Custody Seals Intact: Yes Δ No | Custody Seal No.: 194669 | Cooler Temperature(s) °C and Other Remarks: 1-3c

Ver: 06/08/2021

Login Sample Receipt Checklist

Client: City of Eau Claire

Job Number: 500-217382-1

Login Number: 217382
List Number: 2
Creator: Her, David A

List Source: Eurofins Sacramento
List Creation: 06/02/22 11:35 AM

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	1946691
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	1.3 c
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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Sacramento
Sample Receiving Notes

500-217382 Field Sheet

Job: _____

Tracking # : 5732 2369 1360

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier

GSO / OnTrac / Goldstreak / USPS / Other _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations. File in the job folder with the COC.

Therm. ID: L-03 Corr. Factor: (+ / -) _____ °C

Ice X Wet _____ Gel _____ Other _____

Cooler Custody Seal: 194691

Cooler ID: _____

Temp Observed: 1.3 °C Corrected: 1.3 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment	Yes	No	NA
Cooler compromised/tampered with?	☐	☒	☐
Cooler Temperature is acceptable?	☒	☐	☐
Frozen samples show signs of thaw?	☐	☐	☒

Initials: DK Date: 6/2/22

Unpacking/Labeling The Samples	Yes	No	NA
COC is complete w/o discrepancies?	☒	☐	☐
Samples compromised/tampered with?	☐	☒	☐
Containers are not broken or leaking?	☒	☐	☐
Sample custody seal?	☐	☐	☒
Sample containers have legible labels?	☒	☐	☐
Sample date/times are provided?	☒	☐	☐
Appropriate containers are used?	☒	☐	☐
Sample bottles are completely filled?	☒	☐	☐
Sample preservatives verified?	☐	☐	☒
Is the Field Sampler's name on COC?	☒	☐	☐
Samples require splitting/compositing?	☐	☐	☒
Samples w/o discrepancies?	☒	☐	☐
Zero headspace?*	☐	☐	☒
Alkalinity has no headspace?	☐	☐	☒
Perchlorate has headspace? (Methods 314, 331, 6850)	☐	☐	☒
Multiphasic samples are not present?	☒	☐	☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: DK Date: 6/2/22

Notes: _____

Trizma Lot #(s): _____

Login Completion	Yes	No	NA
Receipt Temperature on COC?	☒	☐	☐
Samples received within hold time?	☒	☐	☐
NCM Filed?	☐	☐	☒
Log Release checked in TALS?	☒	☐	☐

Initials: DK Date: 6/2/22

Isotope Dilution Summary

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

Job ID: 500-217382-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water **Prep Type: Total/NA**

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
500-217382-1	WW Outfall	94	96	99	102	104	97	95	95
500-217382-2	Well 6	87	95	93	96	97	99	95	91
500-217382-3	Well 14	86	90	94	93	93	94	88	93
500-217382-4	Well 9	88	90	95	95	94	93	88	91
LCS 320-595561/2-A	Lab Control Sample	92	92	96	104	100	98	96	97
MB 320-595561/1-A	Method Blank	90	94	98	99	99	96	94	97

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)
500-217382-1	WW Outfall	91	90	98	98	93	90	90	96
500-217382-2	Well 6	92	85	97	94	94	93	93	92
500-217382-3	Well 14	92	83	95	90	85	83	88	92
500-217382-4	Well 9	88	82	89	87	89	84	87	91
LCS 320-595561/2-A	Lab Control Sample	98	91	95	95	97	89	88	101
MB 320-595561/1-A	Method Blank	93	90	94	96	91	89	90	100

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	d5NEFOS (25-150)	dMeFOSA (10-150)	dEtFOSA (10-150)	NMFM (10-150)	NEFM (10-150)	M242FTS (25-150)	M262FTS (25-150)	M282FTS (25-150)
500-217382-1	WW Outfall	91	73	78	82	84	94	93	101
500-217382-2	Well 6	90	77	81	78	80	87	102	99
500-217382-3	Well 14	91	74	79	79	77	80	88	97
500-217382-4	Well 9	89	68	74	77	77	79	87	91
LCS 320-595561/2-A	Lab Control Sample	95	61	61	81	81	93	92	110
MB 320-595561/1-A	Method Blank	97	68	71	81	82	94	101	106

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (25-150)	M102FTS (25-150)
500-217382-1	WW Outfall	99	89
500-217382-2	Well 6	94	91
500-217382-3	Well 14	93	83
500-217382-4	Well 9	92	84
LCS 320-595561/2-A	Lab Control Sample	95	93
MB 320-595561/1-A	Method Blank	96	93

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

Isotope Dilution Summary

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

Job ID: 500-217382-1

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