

Environment Testing America

ANALYTICAL REPORT

Eurofins TestAmerica, Michigan 10448 Citation Drive Suite 200 Brighton, MI 48116 Tel: (810)229-2763

Laboratory Job ID: 190-27278-1

Client Project/Site: Bronson WWTP PFAS

For:

City of Bronson 141 S Matteson Street Bronson, Michigan 49028

Attn: Brandon Mersman

Sue Schafer

Authorized for release by: 11/19/2021 3:05:19 PM

Sue Schafer, Project Manager II (810)229-2763

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

Table of Contents								
Cover Page	1							
Table of Contents	2							
Sample Summary	3							
Case Narrative	4							
Client Sample Results	5							
sotope Dilution Summary	11							
QC Sample Results	13							
QC Association Summary	20							
Lab Chronicle	21							
Definitions/Glossary	22							
Certification Summary	23							
Detection Summary	24							
Chain of Custody	25							

Sample Summary

Client: City of Bronson Project/Site: Bronson WWTP PFAS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
190-27278-1	EFFLUENT	Water	11/02/21 13:30	11/03/21 15:00
190-27278-2	GEOTUBE PIT	Water	11/02/21 13:45	11/03/21 15:00
190-27278-3	STORAGE DIGESTOR	Solid	11/02/21 13:30	11/03/21 15:00

Job ID: 190-27278-1

Case Narrative

Client: City of Bronson

Project/Site: Bronson WWTP PFAS

Job ID: 190-27278-1

Job ID: 190-27278-1

Laboratory: Eurofins TestAmerica, Michigan

Narrative

Job Narrative 190-27278-1

Comments

No additional comments.

Receipt

The samples were received on 11/3/2021 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.0° C.

Method 537 (modified): The "I" qualifier means 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.

General Chemistry

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

Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-540841.

Method: 3535 PFC-W Matrix: Aqueous

Method 3535: The following sample was light green prior to extraction: GEOTUBE PIT (190-27278-2).

preparation batch 320-540841 Method: 3535 PFC-W Matrix: Aqueous

Method 3535: During the solid phase extraction process, the following sample contained non-settable particulates which clogged the solid phase extraction column: GEOTUBE PIT (190-27278-2).

preparation batch 320-540841 Method: 3535 PFC-W Matrix: Aqueous

Method 3535: The following sample was light yellow after extraction/final volume: GEOTUBE PIT (190-27278-2).

preparation batch 320-540841 Method: 3535 PFC-W Matrix: Aqueous

Method SHAKE: The following sample was light yellow after extraction: STORAGE DIGESTOR (190-27278-3).

preparation batch 320-541746 PFC IDA Solid

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

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Client Sample ID: EFFLUENT

Lab Sample ID: 190-27278-1

Date Collected: 11/02/21 13:30 **Matrix: Water** Date Received: 11/03/21 15:00

Analyte	Result Qualifier	RL	Unit	D Prepared	Analyzed	Dil F
9CI-PF3ONS	<1.8	1.8	ng/L	11/08/21 04:54		
11CI-PF3OUdS	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
4,8-Dioxa-3H-perfluorononanoic acid	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
(ADONA)			· ·			
4:2 FTS	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
6:2 FTS	<4.5	4.5	ng/L	11/08/21 04:54	11/09/21 20:56	
8:2 FTS	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
HFPO-DA (GenX)	<3.6	3.6	ng/L	11/08/21 04:54	11/09/21 20:56	
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	<4.5	4.5	ng/L		11/09/21 20:56	
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	<4.5	4.5	ng/L		11/09/21 20:56	
Perfluorobutanesulfonic acid (PFBS)	5.6	1.8	ng/L		11/09/21 20:56	
Perfluorobutanoic acid (PFBA)	<4.5	4.5	ng/L		11/09/21 20:56	
Perfluorodecanesulfonic acid (PFDS)	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluorodecanoic acid (PFDA)	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluorododecanoic acid (PFDoA)	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluoroheptanesulfonic Acid (PFHpS)	<1.8	1.8	ng/L		11/09/21 20:56	
Perfluoroheptanoic acid (PFHpA)	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluorohexanesulfonic acid (PFHxS)	1.8	1.8	ng/L		11/09/21 20:56	
Perfluorohexanoic acid (PFHxA)	5.0	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluorononanesulfonic acid (PFNS)	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluorononanoic acid (PFNA)	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluorooctanesulfonamide (FOSA)	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluorooctanesulfonic acid (PFOS)	10	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluorooctanoic acid (PFOA)	3.0	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluoropentanesulfonic acid (PFPeS)	<1.8	1.8	ng/L		11/09/21 20:56	
Perfluoropentanoic acid (PFPeA)	4.1	1.8	ng/L		11/09/21 20:56	
Perfluorotetradecanoic acid (PFTeA)	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluorotridecanoic acid (PFTriA)	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
Perfluoroundecanoic acid (PFUnA)	<1.8	1.8	ng/L	11/08/21 04:54	11/09/21 20:56	
sotope Dilution	%Recovery Qualifier	Limits		Prepared	Analyzed	Dil F
13C8 FOSA	102	25 - 150		11/08/21 04:54	11/09/21 20:56	-
13C3 HFPO-DA	115	25 - 150		11/08/21 04:54	11/09/21 20:56	
13C4 PFBA	90	25 - 150			11/09/21 20:56	
13C3 PFBS	127	25 - 150			11/09/21 20:56	
13C2 PFDA	110	25 - 150			11/09/21 20:56	
13C2 PFDoA	102	25 - 150 25 - 150			11/09/21 20:56	
13C4 PFHpA	115	25 - 150 25 - 150			11/09/21 20:56	
13C2 PFHxA	117	25 - 150 25 - 150			11/09/21 20:56	
13C5 PFNA	106	25 - 150 25 - 150			11/09/21 20:56	
					11/09/21 20:56	
13C4 PFOA 13C4 PFOS	113 106	25 ₋ 150				
13C4 PFOS	106	25 ₋ 150			11/09/21 20:56	
13C5 PFPeA	102	25 - 150			11/09/21 20:56	
13C2 PFTeDA	82	25 ₋ 150		11/08/21 04:54	11/09/21 20:56	

Eurofins TestAmerica, Michigan

11/19/2021

Page 5 of 27

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Lab Sample ID: 190-27278-1 **Client Sample ID: EFFLUENT** Date Collected: 11/02/21 13:30

Matrix: Water

Date Received: 11/03/21 15:00

Method: 537 (modified)	- Fluorinated Alkyl Substan	ces (Continued)			
Isotope Dilution	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	131	25 - 150	11/08/21 04:54	11/09/21 20:56	1
d3-NMeFOSAA	121	25 - 150	11/08/21 04:54	11/09/21 20:56	1
M2-4:2 FTS	124	25 - 150	11/08/21 04:54	11/09/21 20:56	1
M2-6:2 FTS	105	25 - 150	11/08/21 04:54	11/09/21 20:56	1
M2-8:2 FTS	114	25 - 150	11/08/21 04:54	11/09/21 20:56	1
18O2 PFHxS	103	25 - 150	11/08/21 04:54	11/09/21 20:56	1

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Client Sample ID: GEOTUBE PIT

Lab Sample ID: 190-27278-2 Date Collected: 11/02/21 13:45

Matrix: Water Date Received: 11/03/21 15:00

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
9CI-PF3ONS	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
11CI-PF3OUdS	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
4,8-Dioxa-3H-perfluorononanoic acid	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
(ADONA)							
4:2 FTS	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
6:2 FTS	<4.5	4.5	ng/L		11/08/21 04:54	11/09/21 21:07	
8:2 FTS	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
HFPO-DA (GenX)	<3.6	3.6	ng/L		11/08/21 04:54	11/09/21 21:07	
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	<4.5	4.5	ng/L		11/08/21 04:54	11/09/21 21:07	
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	<4.5	4.5	ng/L			11/09/21 21:07	
Perfluorobutanesulfonic acid (PFBS)	83	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorobutanoic acid (PFBA)	100	4.5	ng/L			11/09/21 21:07	
Perfluorodecanesulfonic acid (PFDS)	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorodecanoic acid (PFDA)	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorododecanoic acid (PFDoA)	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluoroheptanesulfonic Acid (PFHpS)	<1.8	1.8	ng/L			11/09/21 21:07	
Perfluoroheptanoic acid (PFHpA)	34	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorohexanesulfonic acid (PFHxS)	2.3	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorohexanoic acid (PFHxA)	160	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorononanesulfonic acid (PFNS)	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorononanoic acid (PFNA)	5.0	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorooctanesulfonamide (FOSA)	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorooctanesulfonic acid (PFOS)	180	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorooctanoic acid (PFOA)	68	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluoropentanesulfonic acid (PFPeS)	<1.8	1.8	ng/L			11/09/21 21:07	
Perfluoropentanoic acid (PFPeA)	180	1.8	ng/L			11/09/21 21:07	
Perfluorotetradecanoic acid (PFTeA)	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluorotridecanoic acid (PFTriA)	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
Perfluoroundecanoic acid (PFUnA)	<1.8	1.8	ng/L		11/08/21 04:54	11/09/21 21:07	
sotope Dilution	%Recovery Qualifier	Limits			Prepared	Analyzed	Dil Fa
13C8 FOSA	66	25 - 150			11/08/21 04:54	11/09/21 21:07	
13C3 HFPO-DA	74	25 - 150			11/08/21 04:54	11/09/21 21:07	
13C4 PFBA	51	25 - 150			11/08/21 04:54	11/09/21 21:07	
13C3 PFBS	79	25 - 150				11/09/21 21:07	
13C2 PFDA	71	25 - 150			11/08/21 04:54	11/09/21 21:07	
13C2 PFDoA	55	25 - 150				11/09/21 21:07	
13C4 PFHpA	76	25 - 150				11/09/21 21:07	
13C2 PFHxA	73	25 - 150				11/09/21 21:07	
13C5 PFNA	74	25 - 150				11/09/21 21:07	
13C4 PFOA	72	25 - 150				11/09/21 21:07	
13C4 PFOS	68	25 - 150 25 - 150				11/09/21 21:07	
13C5 PFPeA	50	25 - 150 25 - 150				11/09/21 21:07	
13C2 PFTeDA	43	25 ₋ 150			11/00/21 04.54	11/09/21 21:07	

Eurofins TestAmerica, Michigan

Page 7 of 27 11/19/2021

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Date Received: 11/03/21 15:00

Client Sample ID: GEOTUBE PIT

Lab Sample ID: 190-27278-2 Date Collected: 11/02/21 13:45

Matrix: Water

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

Method: 337 (modified	uj - i luoililateu Aikyi Substa	inces (Continued)			
Isotope Dilution	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
d5-NEtFOSAA	76	25 - 150	11/08/21 04:54	11/09/21 21:07	1
d3-NMeFOSAA	70	25 - 150	11/08/21 04:54	11/09/21 21:07	1
M2-4:2 FTS	98	25 - 150	11/08/21 04:54	11/09/21 21:07	1
M2-6:2 FTS	69	25 - 150	11/08/21 04:54	11/09/21 21:07	1
M2-8:2 FTS	90	25 - 150	11/08/21 04:54	11/09/21 21:07	1
18O2 PFHxS	65	25 - 150	11/08/21 04:54	11/09/21 21:07	1

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Client Sample ID: STORAGE DIGESTOR

Lab Sample ID: 190-27278-3 Date Collected: 11/02/21 13:30 **Matrix: Solid** Date Received: 11/03/21 15:00 **Percent Solids: 7.3**

Method: 537 (modified) - Fluor	•			11!4	_	Duc	A	D:: -
Analyte	Result Q	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fa
OCI-PF3ONS	<2.6		2.6	ug/Kg	‡		11/13/21 04:48	
11CI-PF3OUdS	<2.6		2.6	ug/Kg	≎	11/11/21 04:43	11/13/21 04:48	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.6		2.6	ug/Kg	‡	11/11/21 04:43	11/13/21 04:48	
4:2 FTS	<2.6		2.6	ug/Kg	₩		11/13/21 04:48	
3:2 FTS	<2.6		2.6	ug/Kg	☼	11/11/21 04:43	11/13/21 04:48	
8:2 FTS	3.8		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
HFPO-DA (GenX)	<2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	7.3		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	9.5		2.6	ug/Kg	\$	11/11/21 04:43	11/13/21 04:48	
Perfluorobutanesulfonic acid (PFBS)	2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluorobutanoic acid (PFBA)	<2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluorodecanesulfonic acid (PFDS)	19		2.6	ug/Kg			11/13/21 04:48	
Perfluorodecanoic acid (PFDA)	3.9		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluorododecanoic acid (PFDoA)	<2.6		2.6	ug/Kg	☆	11/11/21 04:43	11/13/21 04:48	
Perfluoroheptanesulfonic Acid PFHpS)	<2.6		2.6	ug/Kg	☼	11/11/21 04:43	11/13/21 04:48	
Perfluoroheptanoic acid (PFHpA)	<2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluorohexanesulfonic acid (PFHxS)	<2.6		2.6	ug/Kg	☼	11/11/21 04:43	11/13/21 04:48	
Perfluorohexanoic acid (PFHxA)	<2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluorononanesulfonic acid (PFNS)	<2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluorononanoic acid (PFNA)	<2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluorooctanesulfonamide FOSA)	2.8		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluorooctanesulfonic acid	22 I		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluorooctanoic acid (PFOA)	<2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluoropentanesulfonic acid PFPeS)	<2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluoropentanoic acid (PFPeA)	<2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluorotetradecanoic acid (PFTeA)	<2.6		2.6	ug/Kg	☆	11/11/21 04:43	11/13/21 04:48	
Perfluorotridecanoic acid (PFTriA)	<2.6		2.6	ug/Kg	₩	11/11/21 04:43	11/13/21 04:48	
Perfluoroundecanoic acid (PFUnA)	<2.6		2.6	ug/Kg	₽	11/11/21 04:43	11/13/21 04:48	
sotope Dilution	%Recovery Q	Qualifier	Limits			Prepared	Analyzed	Dil Fa
3C8 FOSA	92		25 - 150			11/11/21 04:43	11/13/21 04:48	
I3C3 HFPO-DA	100		25 - 150			11/11/21 04:43	11/13/21 04:48	
I3C4 PFBA	92		25 - 150			11/11/21 04:43	11/13/21 04:48	
3C3 PFBS	103		25 - 150			11/11/21 04:43	11/13/21 04:48	
13C2 PFDA	99		25 - 150			11/11/21 04:43	11/13/21 04:48	
13C2 PFDoA	91		25 - 150				11/13/21 04:48	
13C4 PFHpA	103		25 - 150			11/11/21 04:43	11/13/21 04:48	
I3C2 PFHxA	97		25 - 150				11/13/21 04:48	
13C5 PFNA	101		25 - 150				11/13/21 04:48	
I3C4 PFOA	103		25 - 150				11/13/21 04:48	
13C4 PFOS	100		25 - 150 25 - 150				11/13/21 04:48	
13C5 PFPeA	99		25 - 150 25 - 150				11/13/21 04:48	
IJOJ FFF G M	99		20 - 100			11/11/21 04.43	11/13/21 04.48	

Eurofins TestAmerica, Michigan

11/19/2021

Page 9 of 27

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Client Sample ID: STORAGE DIGESTOR

Lab Sample ID: 190-27278-3 Date Collected: 11/02/21 13:30 **Matrix: Solid**

Date Received: 11/03/21 15:00 **Percent Solids: 7.3**

Method: 537 (modified	od: 537 (modified) - Fluorinated Alkyl Substances (Continued)											
Isotope Dilution	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac							
13C2 PFUnA	95	25 - 150	11/11/21 04:43	11/13/21 04:48	1							
d5-NEtFOSAA	98	25 - 150	11/11/21 04:43	11/13/21 04:48	1							
d3-NMeFOSAA	94	25 - 150	11/11/21 04:43	11/13/21 04:48	1							
M2-4:2 FTS	112	25 - 150	11/11/21 04:43	11/13/21 04:48	1							
M2-6:2 FTS	115	25 - 150	11/11/21 04:43	11/13/21 04:48	1							
M2-8:2 FTS	131	25 - 150	11/11/21 04:43	11/13/21 04:48	1							
1802 PFHxS	98	25 - 150	11/11/21 04:43	11/13/21 04:48	1							

General Chemistry								
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	92.7		0.1	%			11/08/21 11:06	1
Percent Solids	7.3		0.1	%			11/08/21 11:06	1

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Client: City of Bronson

Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Solid Prep Type: Total/NA

			Perce	ent Isotope	Dilution Re	covery (Ac	ceptance L	_imits)	
		PFOSA	HFPODA	PFBA	C3PFBS	PFDA	PFDoA	C4PFHA	PFHxA
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
190-27278-3	STORAGE DIGESTOR	92	100	92	103	99	91	103	97
LCS 320-541746/2-A	Lab Control Sample	95	103	90	112	91	96	103	99
MB 320-541746/1-A	Method Blank	103	106	95	121	97	105	111	103
			Perce	ent Isotope	Dilution Re	covery (Ac	ceptance L	_imits)	
		PFNA	PFOA	PFOS	PFPeA	PFTDA	PFUnA	d5NEFOS	d3NMFOS
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
190-27278-3	STORAGE DIGESTOR	101	103	100	99	70	95	98	94
LCS 320-541746/2-A	Lab Control Sample	101	108	104	101	98	97	94	99
MB 320-541746/1-A	Method Blank	102	108	112	106	105	99	103	103
			Perce	ent Isotope	Dilution Re	covery (Ac	ceptance L	_imits)	
		M242FTS	M262FTS	M282FTS	PFHxS				
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)				
190-27278-3	STORAGE DIGESTOR	112	115	131	98				
LCS 320-541746/2-A	Lab Control Sample	99	88	82	100				
MB 320-541746/1-A	Method Blank	101	92	91	107				
Cumanata Lanand									

Surrogate Legend

PFOSA = 13C8 FOSA

HFPODA = 13C3 HFPO-DA

PFBA = 13C4 PFBA

C3PFBS = 13C3 PFBS

PFDA = 13C2 PFDA

PFDoA = 13C2 PFDoA

C4PFHA = 13C4 PFHpA

PFHxA = 13C2 PFHxA

PFNA = 13C5 PFNA

PFOA = 13C4 PFOA PFOS = 13C4 PFOS

PFPeA = 13C5 PFPeA

PFTDA = 13C2 PFTeDA

PFUnA = 13C2 PFUnA

d5NEFOS = d5-NEtFOSAA

d3NMFOS = d3-NMeFOSAA

M242FTS = M2-4:2 FTS

M262FTS = M2-6:2 FTS

M282FTS = M2-8:2 FTS PFHxS = 18O2 PFHxS

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)								
		PFOSA	HFPODA	PFBA	C3PFBS	PFDA	PFDoA	C4PFHA	PFHxA	
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	
190-27278-1	EFFLUENT	102	115	90	127	110	102	115	117	
190-27278-2	GEOTUBE PIT	66	74	51	79	71	55	76	73	
LCS 320-540841/2-A	Lab Control Sample	102	107	104	133	112	121	106	120	
LCSD 320-540841/3-A	Lab Control Sample Dup	93	121	108	139	113	118	104	116	
MB 320-540841/1-A	Method Blank	100	116	106	132	111	126	108	122	

Eurofins TestAmerica, Michigan

Page 11 of 27

6

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10

46

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11/19/2021

Isotope Dilution Summary

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

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

Matrix: Water Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFNA	PFOA	PFOS	PFPeA	PFTDA	PFUnA	d5NEFOS	d3NMFOS
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)	(25-150)
190-27278-1	EFFLUENT	106	113	106	102	82	109	131	121
190-27278-2	GEOTUBE PIT	74	72	68	50	43	60	76	70
LCS 320-540841/2-A	Lab Control Sample	108	106	111	116	118	118	140	139
LCSD 320-540841/3-A	Lab Control Sample Dup	111	108	111	120	109	122	134	119
MB 320-540841/1-A	Method Blank	112	110	107	117	114	124	134	133

Percent Isotope Dilution Recovery (Acceptance Limits)

		M242FTS	M262FTS	M282FTS	PFHxS
Lab Sample ID	Client Sample ID	(25-150)	(25-150)	(25-150)	(25-150)
190-27278-1	EFFLUENT	124	105	114	103
190-27278-2	GEOTUBE PIT	98	69	90	65
LCS 320-540841/2-A	Lab Control Sample	104	77	90	104
LCSD 320-540841/3-A	Lab Control Sample Dup	93	84	87	102
MB 320-540841/1-A	Method Blank	101	83	95	103

Surrogate Legend

PFOSA = 13C8 FOSA

HFPODA = 13C3 HFPO-DA

PFBA = 13C4 PFBA

C3PFBS = 13C3 PFBS

PFDA = 13C2 PFDA

PFDoA = 13C2 PFDoA

C4PFHA = 13C4 PFHpA

PFHxA = 13C2 PFHxA

PFNA = 13C5 PFNA

PFOA = 13C4 PFOA

PFOS = 13C4 PFOS

PFPeA = 13C5 PFPeA

PFTDA = 13C2 PFTeDA

PFUnA = 13C2 PFUnA

d5NEFOS = d5-NEtFOSAA

d3NMFOS = d3-NMeFOSAA

M242FTS = M2-4:2 FTS

M262FTS = M2-6:2 FTS

M282FTS = M2-8:2 FTS PFHxS = 18O2 PFHxS

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12

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample	ID: MB	320-5408	41/1-A
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Matrix: Water

Analysis Batch: 541351

Client Sample II	D:	Meth	od	Blar	١k
Pre	p	Type:	To	tal/N	IA
—		Doctor to	_	400	

Prep Batch: 540841

	MB	MB						
Analyte	Result	Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
9CI-PF3ONS	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
11CI-PF3OUdS	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
4:2 FTS	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
6:2 FTS	<5.0		5.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
8:2 FTS	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
HFPO-DA (GenX)	<4.0		4.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	<5.0		5.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	<5.0		5.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorobutanesulfonic acid (PFBS)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorobutanoic acid (PFBA)	<5.0		5.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorodecanesulfonic acid (PFDS)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorodecanoic acid (PFDA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorododecanoic acid (PFDoA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluoroheptanoic acid (PFHpA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorohexanesulfonic acid (PFHxS)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorohexanoic acid (PFHxA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorononanesulfonic acid (PFNS)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorononanoic acid (PFNA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorooctanesulfonamide (FOSA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorooctanesulfonic acid (PFOS)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorooctanoic acid (PFOA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluoropentanesulfonic acid (PFPeS)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluoropentanoic acid (PFPeA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorotetradecanoic acid (PFTeA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluorotridecanoic acid (PFTriA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1
Perfluoroundecanoic acid (PFUnA)	<2.0		2.0	ng/L		11/08/21 04:54	11/09/21 19:43	1

	IVIB IVIB				
Isotope Dilution	%Recovery Qualif	ïer Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	100	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C3 HFPO-DA	116	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C4 PFBA	106	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C3 PFBS	132	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C2 PFDA	111	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C2 PFDoA	126	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C4 PFHpA	108	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C2 PFHxA	122	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C5 PFNA	112	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C4 PFOA	110	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C4 PFOS	107	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C5 PFPeA	117	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C2 PFTeDA	114	25 - 150	11/08/21 04:54	11/09/21 19:43	1
13C2 PFUnA	124	25 - 150	11/08/21 04:54	11/09/21 19:43	1
d5-NEtFOSAA	134	25 - 150	11/08/21 04:54	11/09/21 19:43	1

Eurofins TestAmerica, Michigan

11/19/2021

Page 13 of 27

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

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

MR MR

Lab Sample ID: MB 320-540841/1-A

Matrix: Water

Analysis Batch: 541351

Client Sample ID: Method Blank

Prep Type: Total/NA **Prep Batch: 540841**

	III	W.D				
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	133		25 - 150	11/08/21 04:54	11/09/21 19:43	1
M2-4:2 FTS	101		25 - 150	11/08/21 04:54	11/09/21 19:43	1
M2-6:2 FTS	83		25 - 150	11/08/21 04:54	11/09/21 19:43	1
M2-8:2 FTS	95		25 - 150	11/08/21 04:54	11/09/21 19:43	1
18O2 PFHxS	103		25 - 150	11/08/21 04:54	11/09/21 19:43	1

Lab Sample ID: LCS 320-540841/2-A

Matrix: Water

Analysis Batch: 541351

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 540841

LCS LCS Spike %Rec. Added Analyte Result Qualifier Unit %Rec Limits 9CI-PF3ONS 37.3 35 4 75 - 135 ng/L 95 11CI-PF3OUdS 37.7 39.2 ng/L 104 54 - 114 37.7 36.3 ng/L 96 79 - 139 4,8-Dioxa-3H-perfluorononanoic acid (ADONA) 91 4:2 FTS 37.4 34.1 ng/L 79 - 1396:2 FTS 37.9 46.4 122 ng/L 59 - 175 8:2 FTS 38.3 40.9 ng/L 107 75 - 135 HFPO-DA (GenX) 40.0 43.9 ng/L 110 51 - 173 N-ethylperfluorooctanesulfonami 40.0 36.4 ng/L 91 76 - 136 doacetic acid (NEtFOSAA) N-methylperfluorooctanesulfona 40.0 35.0 87 76 - 136 ng/L midoacetic acid (NMeFOSAA) Perfluorobutanesulfonic acid 35.4 30.7 ng/L 87 67 - 127 (PFBS) 40.0 40.6 Perfluorobutanoic acid (PFBA) ng/L 102 76 - 136 Perfluorodecanesulfonic acid 38.6 41.2 ng/L 107 71 - 131 40.0 38.9 Perfluorodecanoic acid (PFDA) ng/L 97 76 - 136 Perfluorododecanoic acid 40.0 39.7 ng/L 99 71 - 131(PFDoA) Perfluoroheptanesulfonic Acid 38.1 34.1 ng/L 76 - 136 (PFHpS) 40.0 42.2 Perfluoroheptanoic acid (PFHpA) ng/L 105 72 - 132 ng/L Perfluorohexanesulfonic acid 36.4 35.1 96 59 - 119 (PFHxS) Perfluorohexanoic acid (PFHxA) 40.0 37.3 ng/L 93 73 - 133 38.4 38.8 101 Perfluorononanesulfonic acid ng/L 75 - 135 (PFNS) Perfluorononanoic acid (PFNA) 40.0 40.3 101 75 - 135 ng/L Perfluorooctanesulfonamide 40.0 41.2 ng/L 103 73 - 133 (FOSA) Perfluorooctanesulfonic acid 37.1 33.1 ng/L 89 70 - 130 (PFOS) Perfluorooctanoic acid (PFOA) 40.0 38.7 97 ng/L 70 - 130Perfluoropentanesulfonic acid 37.5 30.6 ng/L 81 66 - 126 (PFPeS) 40.0 Perfluoropentanoic acid (PFPeA) 37.3 93 71 - 131 ng/L Perfluorotetradecanoic acid 40.0 33.7 ng/L 84 70 - 130 (PFTeA) Perfluorotridecanoic acid 40.0 37.0 71 - 131 ng/L (PFTriA)

11/19/2021

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

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

Lab Sample ID: LCS 320-540841/2-A **Client Sample ID: Lab Control Sample Matrix: Water Prep Type: Total/NA** Analysis Batch: 541351 **Prep Batch: 540841** LCS LCS Spike %Rec. Analyte Added Result Qualifier Unit D %Rec Limits

40.0 68 - 128 Perfluoroundecanoic acid 37.0 ng/L 93 (PFUnA)

	LCS	LCS	
Isotope Dilution	%Recovery	Qualifier	Limits
13C8 FOSA	102		25 - 150
13C3 HFPO-DA	107		25 - 150
13C4 PFBA	104		25 - 150
13C3 PFBS	133		25 - 150
13C2 PFDA	112		25 - 150
13C2 PFDoA	121		25 - 150
13C4 PFHpA	106		25 - 150
13C2 PFHxA	120		25 - 150
13C5 PFNA	108		25 - 150
13C4 PFOA	106		25 - 150
13C4 PFOS	111		25 - 150
13C5 PFPeA	116		25 - 150
13C2 PFTeDA	118		25 - 150
13C2 PFUnA	118		25 - 150
d5-NEtFOSAA	140		25 - 150
d3-NMeFOSAA	139		25 - 150
M2-4:2 FTS	104		25 - 150
M2-6:2 FTS	77		25 - 150
M2-8:2 FTS	90		25 - 150
1802 PFHxS	104		25 - 150

Lab Sample ID: LCSD 320-540841/3-A

Matrix: Water

Analysis Batch: 541351							Prep Ba	tch: 54	40841
	Spike	LCSD	LCSD				%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
9CI-PF3ONS	37.3	37.0		ng/L		99	75 - 135	4	30
11CI-PF3OUdS	37.7	36.0		ng/L		95	54 - 114	9	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	36.5		ng/L		97	79 - 139	1	30
4:2 FTS	37.4	35.1		ng/L		94	79 - 139	3	30
6:2 FTS	37.9	39.2		ng/L		103	59 - 175	17	30
8:2 FTS	38.3	41.4		ng/L		108	75 - 135	1	30
HFPO-DA (GenX)	40.0	36.0		ng/L		90	51 - 173	20	30
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	40.0	36.2		ng/L		91	76 - 136	0	30
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	40.0	40.9		ng/L		102	76 - 136	16	30
Perfluorobutanesulfonic acid (PFBS)	35.4	28.7		ng/L		81	67 - 127	7	30
Perfluorobutanoic acid (PFBA)	40.0	39.4		ng/L		99	76 - 136	3	30
Perfluorodecanesulfonic acid (PFDS)	38.6	41.3		ng/L		107	71 - 131	0	30
Perfluorodecanoic acid (PFDA)	40.0	38.8		ng/L		97	76 - 136	0	30
Perfluorododecanoic acid (PFDoA)	40.0	39.2		ng/L		98	71 - 131	1	30

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Page 15 of 27

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

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

Lab Sample ID): LCSD	320-540841/3	-A
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Matrix: Water

Analysis Batch: 541351

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA Prep Batch: 540841

	Spike	LCSD	LCSD	_CSD			%Rec.		RPD
Analyte	Added	Result	Qualifier	Unit	D	%Rec	Limits	RPD	Limit
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	34.4		ng/L		90	76 - 136	1	30
Perfluoroheptanoic acid (PFHpA)	40.0	37.9		ng/L		95	72 - 132	11	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.6		ng/L		95	59 - 119	1	30
Perfluorohexanoic acid (PFHxA)	40.0	37.0		ng/L		92	73 - 133	1	30
Perfluorononanesulfonic acid (PFNS)	38.4	37.6		ng/L		98	75 - 135	3	30
Perfluorononanoic acid (PFNA)	40.0	37.0		ng/L		93	75 - 135	8	30
Perfluorooctanesulfonamide (FOSA)	40.0	42.8		ng/L		107	73 - 133	4	30
Perfluorooctanesulfonic acid (PFOS)	37.1	33.8		ng/L		91	70 - 130	2	30
Perfluorooctanoic acid (PFOA)	40.0	38.4		ng/L		96	70 - 130	1	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	28.7		ng/L		77	66 - 126	6	30
Perfluoropentanoic acid (PFPeA)	40.0	35.8		ng/L		89	71 - 131	4	30
Perfluorotetradecanoic acid (PFTeA)	40.0	37.2		ng/L		93	70 - 130	10	30
Perfluorotridecanoic acid (PFTriA)	40.0	39.2		ng/L		98	71 - 131	6	30
Perfluoroundecanoic acid (PFUnA)	40.0	39.6		ng/L		99	68 - 128	7	30

LCSD LCSD

	LCSD	LCSD			
Isotope Dilution	%Recovery	Qualifier	Limits		
13C8 FOSA	93		25 - 150		
13C3 HFPO-DA	121		25 - 150		
13C4 PFBA	108		25 - 150		
13C3 PFBS	139		25 - 150		
13C2 PFDA	113		25 - 150		
13C2 PFDoA	118		25 - 150		
13C4 PFHpA	104		25 - 150		
13C2 PFHxA	116		25 - 150		
13C5 PFNA	111		25 - 150		
13C4 PFOA	108		25 - 150		
13C4 PFOS	111		25 - 150		
13C5 PFPeA	120		25 - 150		
13C2 PFTeDA	109		25 - 150		
13C2 PFUnA	122		25 - 150		
d5-NEtFOSAA	134		25 - 150		
d3-NMeFOSAA	119		25 - 150		
M2-4:2 FTS	93		25 - 150		
M2-6:2 FTS	84		25 - 150		
M2-8:2 FTS	87		25 - 150		
1802 PFHxS	102		25 - 150		

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Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

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

Lab Sam	ple ID:	: MB 32	0-5417	'46/1-A
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Matrix: Solid

Analysis Batch: 542273

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 541746

Alialysis Batcii. 342273	MB	МВ					Prep Batch.	341740
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
9CI-PF3ONS	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
11CI-PF3OUdS	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
4:2 FTS	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
6:2 FTS	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
8:2 FTS	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
HFPO-DA (GenX)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorobutanoic acid (PFBA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorodecanesulfonic acid (PFDS)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorodecanoic acid (PFDA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorododecanoic acid (PFDoA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluoroheptanoic acid (PFHpA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorohexanesulfonic acid (PFHxS)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorohexanoic acid (PFHxA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorononanesulfonic acid (PFNS)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorononanoic acid (PFNA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorooctanesulfonamide (FOSA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorooctanesulfonic acid (PFOS)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorooctanoic acid (PFOA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluoropentanesulfonic acid (PFPeS)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluoropentanoic acid (PFPeA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorotetradecanoic acid (PFTeA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluorotridecanoic acid (PFTriA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
Perfluoroundecanoic acid (PFUnA)	<0.20		0.20	ug/Kg		11/11/21 04:43	11/13/21 03:17	1
	MB	MB						
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac

1					
Isotope Dilution	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	103	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C3 HFPO-DA	106	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C4 PFBA	95	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C3 PFBS	121	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C2 PFDA	97	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C2 PFDoA	105	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C4 PFHpA	111	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C2 PFHxA	103	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C5 PFNA	102	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C4 PFOA	108	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C4 PFOS	112	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C5 PFPeA	106	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C2 PFTeDA	105	25 - 150	11/11/21 04:43	11/13/21 03:17	1
13C2 PFUnA	99	25 - 150	11/11/21 04:43	11/13/21 03:17	1
d5-NEtFOSAA	103	25 - 150	11/11/21 04:43	11/13/21 03:17	1

Eurofins TestAmerica, Michigan

11/19/2021

Page 17 of 27

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

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

Lab Sample ID: MB 320-541746/1-A

Matrix: Solid

Analysis Batch: 542273

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 541746

	MB	MB				
Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
d3-NMeFOSAA	103		25 - 150	11/11/21 04:43	11/13/21 03:17	1
M2-4:2 FTS	101		25 - 150	11/11/21 04:43	11/13/21 03:17	1
M2-6:2 FTS	92		25 - 150	11/11/21 04:43	11/13/21 03:17	1
M2-8:2 FTS	91		25 - 150	11/11/21 04:43	11/13/21 03:17	1
18O2 PFHxS	107		25 - 150	11/11/21 04:43	11/13/21 03:17	1

Spike

Added

LCS LCS

Result Qualifier Unit

Lab Sample ID: LCS 320-541746/2-A

Matrix: Solid

Analyte

Analysis Batch: 542273

Perfluorotetradecanoic acid

Perfluorotridecanoic acid

(PFTeA)

(PFTriA)

Client Sample ID: Lab Control Sample

D %Rec

%Rec.

Limits

Prep Type: Total/NA

Prep Batch: 541746

Allalyto	Added	result Qualit		D /01100	Lillito	
9CI-PF3ONS	1.86	1.66	ug/Kg	89	74 - 134	
11CI-PF3OUdS	1.88	1.71	ug/Kg	91	66 - 136	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.88	1.76	ug/Kg	93	79 - 139	
4:2 FTS	1.87	1.59	ug/Kg	85	68 - 143	
6:2 FTS	1.90	1.76	ug/Kg	93	73 - 139	
8:2 FTS	1.92	1.86	ug/Kg	97	75 - 135	
HFPO-DA (GenX)	2.00	1.87	ug/Kg	94	53 - 158	
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	2.00	1.92	ug/Kg	96	72 - 132	
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	2.00	1.68	ug/Kg	84	72 - 132	
Perfluorobutanesulfonic acid (PFBS)	1.77	1.41	ug/Kg	80	69 - 129	
Perfluorobutanoic acid (PFBA)	2.00	1.88	ug/Kg	94	76 - 136	
Perfluorodecanesulfonic acid (PFDS)	1.93	1.63	ug/Kg	85	71 - 131	
Perfluorodecanoic acid (PFDA)	2.00	1.90	ug/Kg	95	72 - 132	
Perfluorododecanoic acid (PFDoA)	2.00	1.97	ug/Kg	99	71 - 131	
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	1.71	ug/Kg	90	76 - 136	
Perfluoroheptanoic acid (PFHpA)	2.00	1.91	ug/Kg	95	71 - 131	
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.66	ug/Kg	91	62 - 122	
Perfluorohexanoic acid (PFHxA)	2.00	1.95	ug/Kg	98	71 - 131	
Perfluorononanesulfonic acid (PFNS)	1.92	1.70	ug/Kg	89	72 - 132	
Perfluorononanoic acid (PFNA)	2.00	1.91	ug/Kg	96	73 - 133	
Perfluorooctanesulfonamide (FOSA)	2.00	1.92	ug/Kg	96	77 - 137	
Perfluorooctanesulfonic acid (PFOS)	1.86	1.66	ug/Kg	89	68 - 141	
Perfluorooctanoic acid (PFOA)	2.00	1.80	ug/Kg	90	72 - 132	
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.60	ug/Kg	85	66 - 126	
Perfluoropentanoic acid (PFPeA)	2.00	1.84	ug/Kg	92	69 - 129	

11/19/2021

67 - 127

71 - 131

91

1.82

1.94

ug/Kg

ug/Kg

2.00

2.00

Spike

2.00

Added

25 - 150

Client: City of Bronson Job ID: 190-27278-1

LCS LCS

1.80

Result Qualifier

Project/Site: Bronson WWTP PFAS

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

Lab Sample ID: LCS 320-541746/2-A Matrix: Solid

Analysis Batch: 542273

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

Prep Batch: 541746

	%Rec.	
Rec	Limits	

 $\frac{\text{Unit}}{\text{ug/Kg}} \qquad \frac{\text{D}}{=} \quad \frac{\text{\%Rec}}{=} \quad \frac{\text{Limits}}{=} \quad -$

Perfluoroundecanoic acid (PFUnA)

1802 PFHxS

Analyte

V., 515.9.	LCS	LCS	
Isotope Dilution	%Recovery	Qualifier	Limits
13C8 FOSA	95		25 - 150
13C3 HFPO-DA	103		25 - 150
13C4 PFBA	90		25 - 150
13C3 PFBS	112		25 - 150
13C2 PFDA	91		25 - 150
13C2 PFDoA	96		25 - 150
13C4 PFHpA	103		25 - 150
13C2 PFHxA	99		25 - 150
13C5 PFNA	101		25 - 150
13C4 PFOA	108		25 - 150
13C4 PFOS	104		25 - 150
13C5 PFPeA	101		25 - 150
13C2 PFTeDA	98		25 - 150
13C2 PFUnA	97		25 - 150
d5-NEtFOSAA	94		25 - 150
d3-NMeFOSAA	99		25 - 150
M2-4:2 FTS	99		25 - 150
M2-6:2 FTS	88		25 - 150
M2-8:2 FTS	82		25 - 150

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QC Association Summary

Client: City of Bronson

Job ID: 190-27278-1 Project/Site: Bronson WWTP PFAS

LCMS

Prep Batch: 540841

Lab Sample ID 190-27278-1	Client Sample ID EFFLUENT	Prep Type Total/NA	Matrix Water	Method 3535	Prep Batch
190-27278-2	GEOTUBE PIT	Total/NA	Water	3535	
MB 320-540841/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-540841/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-540841/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 541351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
190-27278-1	EFFLUENT	Total/NA	Water	537 (modified)	540841
190-27278-2	GEOTUBE PIT	Total/NA	Water	537 (modified)	540841
MB 320-540841/1-A	Method Blank	Total/NA	Water	537 (modified)	540841
LCS 320-540841/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	540841
LCSD 320-540841/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	540841

Prep Batch: 541746

Lab Sample ID 190-27278-3	Client Sample ID STORAGE DIGESTOR	Prep Type Total/NA	Solid	Method SHAKE	Prep Batch
MB 320-541746/1-A	Method Blank	Total/NA	Solid	SHAKE	
LCS 320-541746/2-A	Lab Control Sample	Total/NA	Solid	SHAKE	

Analysis Batch: 542273

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
190-27278-3	STORAGE DIGESTOR	Total/NA	Solid	537 (modified)	541746
MB 320-541746/1-A	Method Blank	Total/NA	Solid	537 (modified)	541746
LCS 320-541746/2-A	Lab Control Sample	Total/NA	Solid	537 (modified)	541746

General Chemistry

Analysis Batch: 540924

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
190-27278-3	STORAGE DIGESTOR	Total/NA	Solid	D 2216	

Eurofins TestAmerica, Michigan

11/19/2021

Lab Chronicle

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Client Sample ID: EFFLUENT Lab Sample ID: 190-27278-1

Date Collected: 11/02/21 13:30 **Matrix: Water** Date Received: 11/03/21 15:00

Batch Batch Dilution Batch **Prepared** Method or Analyzed **Prep Type** Type Run **Factor** Number Analyst Lab Total/NA 3535 540841 11/08/21 04:54 TAL SAC Prep 541351 11/09/21 20:56 K1S Total/NA Analysis 537 (modified) TAL SAC 1

Client Sample ID: GEOTUBE PIT Lab Sample ID: 190-27278-2

Date Collected: 11/02/21 13:45 **Matrix: Water**

Date Received: 11/03/21 15:00

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	3535			540841	11/08/21 04:54	EFG	TAL SAC
Total/NA	Analysis	537 (modified)		1	541351	11/09/21 21:07	K1S	TAL SAC

Client Sample ID: STORAGE DIGESTOR Lab Sample ID: 190-27278-3

Date Collected: 11/02/21 13:30 **Matrix: Solid**

Date Received: 11/03/21 15:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	D 2216			540924	11/08/21 11:06	KDB	TAL SAC

Client Sample ID: STORAGE DIGESTOR Lab Sample ID: 190-27278-3

Date Collected: 11/02/21 13:30 **Matrix: Solid** Date Received: 11/03/21 15:00 **Percent Solids: 7.3**

	Batch	Batch		Dilution	Batch	Prepared		
Prep Type	Type	Method	Run	Factor	Number	or Analyzed	Analyst	Lab
Total/NA	Prep	SHAKE			541746	11/11/21 04:43	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1	542273	11/13/21 04:48	RS1	TAL SAC

Laboratory References:

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

Analyst References:

Lab: TAL SAC

Batch Type: Prep

EFG = Elizabeth Green HK = Harmandeep Kaur

Batch Type: Analysis

K1S = Kotechakon Sorndee

KDB = Kristen Burrick

RS1 = Rungtip Sanjumnai

Eurofins TestAmerica, Michigan

Page 21 of 27

Definitions/Glossary

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Qualifiers

LCMS

Qualifier Qualifier Description

Value is EMPC (estimated maximum possible concentration).

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

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Accreditation/Certification Summary

Client: City of Bronson Job ID: 190-27278-1

Project/Site: Bronson WWTP PFAS

Laboratory: Eurofins TestAmerica, Sacramento

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Alaska (UST)	State	17-020	02-20-24
ANAB	Dept. of Defense ELAP	L2468	01-20-24
ANAB	Dept. of Energy	L2468.01	01-20-24
ANAB	ISO/IEC 17025	L2468	01-20-24
Arizona	State	AZ0708	08-11-22
Arkansas DEQ	State	88-0691	06-17-21 *
California	State	2897	01-31-22
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-29-22
Hawaii	State	<cert no.=""></cert>	01-29-22
Illinois	NELAP	200060	03-18-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-22
Michigan	State	9947	01-29-22
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-22
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-01-22
Ohio	State	41252	01-29-22
Oregon	NELAP	4040	11-17-21
Texas	NELAP	T104704399-19-13	05-31-22
US Fish & Wildlife	US Federal Programs	58448	07-31-22
USDA	US Federal Programs	P330-18-00239	07-31-24
Utah	NELAP	CA000442021-12	03-01-22
Virginia	NELAP	460278	03-14-22
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-21
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

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^{*} Accreditation/Certification renewal pending - accreditation/certification considered valid.

Client: City of Bronson

Project/Site: Bronson WWTP PFAS

Client Sample ID: EFFLUENT Lab Sample ID: 190-27278-1

Analyte	Result Qu	ualifier	RL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	5.6		1.8	ng/L		_	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.8		1.8	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	5.0		1.8	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	10		1.8	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.0		1.8	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.1		1.8	ng/L	1		537 (modified)	Total/NA

Client Sample ID: GEOTUBE PIT

Analyte	Result Qualif	ier RL	Unit	Dil Fac D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	83	1.8	ng/L		537 (modified)	Total/NA
Perfluorobutanoic acid (PFBA)	100	4.5	ng/L	1	537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	34	1.8	ng/L	1	537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.3	1.8	ng/L	1	537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	160	1.8	ng/L	1	537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	5.0	1.8	ng/L	1	537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	180	1.8	ng/L	1	537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	68	1.8	ng/L	1	537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	180	1.8	ng/L	1	537 (modified)	Total/NA

Client Sample ID: STORAGE DIGESTOR

<u> </u>						
Analyte	Result Qualifier	RL	Unit	Dil Fac	D Method	Prep Type
8:2 FTS	3.8	2.6	ug/Kg	1	537 (modified)	Total/NA
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	7.3	2.6	ug/Kg	1		Total/NA
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	9.5	2.6	ug/Kg	1		Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.6	2.6	ug/Kg	1		Total/NA
Perfluorodecanesulfonic acid (PFDS)	19	2.6	ug/Kg	1		Total/NA
Perfluorodecanoic acid (PFDA)	3.9	2.6	ug/Kg	1		Total/NA
Perfluorooctanesulfonamide (FOSA)	2.8	2.6	ug/Kg	1		Total/NA
Perfluorooctanesulfonic acid (PFOS)	22 I	2.6	ug/Kg	1		Total/NA

This Detection Summary does not include radiochemical test results.

11/19/2021

Job ID: 190-27278-1

Lab Sample ID: 190-27278-2

Lab Sample ID: 190-27278-3

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P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) Special Instructions/Note: Ver: 06/08/2021 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Monti COC No: 190-27261-1467.1 Preservation Codes H - Ascorbic Acid Page: Page 1 of 1 Job #: I - Ice J - DI Water K - EDTA L - EDA E - NaHSO4 F - MeOH 190-27278 Chain of Custody G - Amchlor Total Number of containers 12/2/11 Method of Shipment State of Origin: **Analysis Requested** Cooler Temperature(s) °C and Other Remarks: Special Instructions/QC Requirements: E-Mail: Sue.Schafer@Eurofinset.com Time: 2,30 - (MOD) PFAS, Standard List (24 Analytes) Lab PM: Schafer, Sue Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No) Preservation Code: Water Matrix (W=water, S=solid, O=waste/oi Water Solid Radiological (C=comp, Sample G=grab) Q/ARK NA Type :MSID: Date: // 1/3 Compliance Project: **△Yes** △ No Purchase Order not required WO#: 1.30 Sample Time 1477 Unknown TAT Requested (days Due Date Requested: 2 Sample Date Project #: 19001688 Poison B Skin Irritant 11955toc Deliverable Requested: I, II, III, IV, Other (specify) Custody Seal No. | | Flammable Possible Hazard Identification Empty Kit Relinquished by: BROSON bronsonh2o@hotmail.com Custody Seals Intact: City of Bronson - PFAS Client Information Sample Identification Address: 141 S Matteson Street △ Yes △ No Non-Hazard City of Bronson Chuck Buckley State, Zip: MI, 49028 Bronson

Environment Testing

🔅 eurofins

MICHIGAN

Chain of Custody Record

Eurofins TestAmerica, Michigan

10448 Citation Drive Suite 200

Brighton, MI 48116

Phone: 810-229-2763 Fax: 810-229-0000

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& ourofine	□ SDS or K	now	n Ha	zard	Inforr	nation	Supplie	a by Ci	ent	D.
eurofins Environment Testing	□ Discrepar	ncies	3				Client I	D:1	ty of	Drons
TestAmerica	☐ Short Hol	d							190-2	
Cooler / Sample Receipt	☐ Rush ☐	24 H	r 🔲	2-Da	y [] 3-	Day []5-Day	Othe	r:	
After hours receipt: complete gray	Receipt Evalu	ation	Perf	orme	by: I	nitials:	- telt Da	te: 11 3/2	1 Time:	500
areas. Place cooler in walk-in, place	•									
form in Receiving box. Date: Time:										
Torri in receiving beautiful and a second										
Method of Shipment: Walk-In Client Eurofins TA Field/Co Other Client / 3 rd Party Courier: Fed Ex Tracking #: UPS Tracking #: Other:	ourier Colored	ooler one kin astic abble	g Ma Bags Wrap g Pea	Box Other ateria s F p P anuts	ils: oam aper	ne	Coolin	es (A (not us ng Mate Solid) (Ice	ed or requierials:	ired) ted)
									42	
Bacteriological Temp Corrected (°C) Samples	Frozen? Yes	P No				n 2 Hr No		rimpie Fi	agged? No	
Received on same day sampled? Yes	(No)		Addi	tiona	l She	ets Re	equired?	Ye	s (No	
Receipt Temperatures					1					
Thermometer ID Observed (°C) Corrected (°C 3.0 3.0 3.0) Temp Blank	Sam	ple To	emp	Y Y	_ N				
Receipt Questions**		Υ	N	NA	"No'	' answ	ers requi	e additio	nal comme	nt
CoC present and ETA receipt signature, date, and documented?	time properly	/								
Containers and Labels in good condition? (unbrokappropriately filled, labels legible & attached)		V								A.I.o.
Appropriate containers used and adequate volume	e provided?								pH?* Yes I	NO
Number of sample containers match CoC?		V		<u> </u>	pH s	trip lot #	<u> </u>			
Samples received within hold?		V								
Samples submitted for GRO and Volatiles analysi 524) received without headspace?	s (8260, 624,			V						
Was a Trip Blank received with VOA samples?				L						
Were the samples free of any questionable physic conformities? (i.e.; field duplicates or multiple bott sample do not significantly vary in appearance – or proportions, etc.)	color, solid	V								
Were the CoC bottle labels and all other items fre discrepancies or issues that would need to be add the Project Manager and/or Client?	e of all other dressed with	V								
**May not be applicable if samples are not for con	npliance testing				*Exc	ludes F	OG, VOA	s, TOC V	ials, HEM	
Olivet Contact Books	•									
Contact Via: Phone Email Other: Discrepancy allowance agree	Personners Personners	on Co ord ir	ontac the	ted: _ client	proje	ct file	Da	ate/Time:		
Discussion / Resolution										
Any additional documentation and clarification directory. Reviewed by	on from the clier		/ /		d in th	e narra	ative and		ned into the	

Phone: 810-229-2763 Fax: 810-229-0000 10448 Citation Drive Suite 200 Brighton, MI 48116

Chain of Custody Record

Environment Testing

💸 eurofins

R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate Vote: Since laboratory accreditations are subject to change, Eurofins TestAmerica places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica. Special Instructions/Note: Z - other (specify) M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 U - Acetone W - pH 4-5 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

Return To Client Disposal By Lab Archive For Mont Preservation Codes C - Zn Acetate
D - Nitric Acid
E - NaHSO4
F - MeOH
G - Amchlor
H - Ascorbic Acid COC No: 190-30558.1 Page: Page 1 of 1 190-27278-I - Ice J - DI Water K - EDTA L - EDA A - HCL B - NaOH Total Number of containers 2 0 -Carrier Tracking No(s) State of Origin: Michigan **Analysis Requested** Accreditations Required (See note) E-Mail: Sue.Schafer@Eurofinset.com × PFC_IDA/Shake_Bath_14D (MOD) PFAS 28 × \times \times PFC_IDA/3535_PFC PFAS 28 Lab PM: Schafer, Sue Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No) (W=water, S=solid, O=waste/oil, BT=Tissue, Preservation Code: Matrix Water Water Solid A=Air) (C=comp, Sample G=grab) Type Eastern 13:45 Eastern 13:30 Sample Eastern 13:30 FAT Requested (days): Due Date Requested: 11/23/2021 Sample Date 11/2/21 11/2/21 11/2/21 Project #: 19001688 SOW#: Phone: # OM Client Information (Sub Contract Lab) Sample Identification - Client ID (Lab ID) 916-373-5600(Tel) 916-372-1059(Fax) STORAGE DIGESTOR (190-27278-3) Possible Hazard Identification TestAmerica Laboratories, Inc. GEOTUBE PIT (190-27278-2) EFFLUENT (190-27278-1) 880 Riverside Parkway Bronson WWTP PFAS Shipping/Receiving West Sacramento State, Zip: CA, 95605 Project Name

					(minoring)
Unconfirmed			Return To Client Disposal By Lab	b Archive For	Months
Deliverable Requested: I, II, III, IV, Other (specify)	Primary Deliverable Rank: 2	ods.	Requ		
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment	Shipment:	
Relinquished by:	Date/Time: (7777)	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Tirhe:	Company	Received by	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Custody Seals Intact: Custody Seal No.:	18) (36)		Cooler Temperature(s) °C and Other Remarks:		

13