ANALYTICAL REPORT

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

Laboratory Job ID: 190-26098-1

Client Project/Site: Village of Romeo-PFAS - BIOSOLIDS

For:

Village of Romeo 121 W. St. Clair Romeo, Michigan 48065

Attn: Al Lapeer

Sue Schafer

Authorized for release by: 6/16/2021 12:05:54 PM

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

Client: Village of Romeo

Project/Site: Village of Romeo-PFAS - BIOSOLIDS

Laboratory Job ID: 190-26098-1

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Sample Summary

Client: Village of Romeo Project/Site: Village of Romeo-PFAS - BIOSOLIDS

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
190-26098-1	PFAS	Solid	06/02/21 08:00	06/03/21 15:24	

Job ID: 190-26098-1

Case Narrative

Client: Village of Romeo

Project/Site: Village of Romeo-PFAS - BIOSOLIDS

Job ID: 190-26098-1

Job ID: 190-26098-1

Laboratory: Eurofins TestAmerica, Michigan

Narrative

Job Narrative 190-26098-1

Comments

No additional comments.

Receipt

The sample was received on 6/3/2021 3:24 PM. Unless otherwise noted below, the sample 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 Isotope Dilution Analyte (IDA) recovery associated with the following sample is below the method recommended limit: PFAS (190-26098-1). Generally, data quality is not considered affected if the IDA signal-to-noise ratio is greater than 10:1, which is achieved for all IDA in the sample.

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 SHAKE: The following sample was yellow after final volume/extraction: PFAS (190-26098-1).

preparation batch 320-497937 Method: PFC IDA/Shake Bath 14D

Matrix: Solid

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

Client Sample ID: PFAS

d3-NMeFOSAA

Date Collected: 06/02/21 08:00 Date Received: 06/03/21 15:24

Lab Sample ID: 190-26098-1

Matrix: Solid

Percent Solids: 4.3

Analyte	Result Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid	<4.6	4.6	ug/Kg	-	06/11/21 19:04	06/14/21 23:55	1
(ADONA)							
F-53B Major	<4.6	4.6	ug/Kg	₩		06/14/21 23:55	1
F-53B Minor	<4.6	4.6	ug/Kg		06/11/21 19:04	06/14/21 23:55	1
4:2 FTS	<46	46	ug/Kg	₩	06/11/21 19:04	06/14/21 23:55	1
6:2 FTS	<46	46	ug/Kg	≎	06/11/21 19:04	06/14/21 23:55	1
8:2 FTS	<46	46	ug/Kg	₽	06/11/21 19:04	06/14/21 23:55	1
HFPO-DA (GenX)	<5.7	5.7	ug/Kg	₩	06/11/21 19:04	06/14/21 23:55	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	<46	46	ug/Kg	₩		06/14/21 23:55	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	<46	46	ug/Kg			06/14/21 23:55	
Perfluorobutanesulfonic acid (PFBS)	<4.6	4.6	ug/Kg	≎	06/11/21 19:04	06/14/21 23:55	1
Perfluorobutanoic acid (PFBA)	<4.6	4.6	ug/Kg	☼	06/11/21 19:04	06/14/21 23:55	1
Perfluorodecanesulfonic acid (PFDS)	<4.6	4.6	ug/Kg	☼	06/11/21 19:04	06/14/21 23:55	1
Perfluorodecanoic acid (PFDA)	<4.6	4.6	ug/Kg	₽	06/11/21 19:04	06/14/21 23:55	1
Perfluorododecanoic acid (PFDoA)	<4.6	4.6	ug/Kg	≎	06/11/21 19:04	06/14/21 23:55	1
Perfluoroheptanesulfonic Acid (PFHpS)	<4.6	4.6	ug/Kg	₩	06/11/21 19:04	06/14/21 23:55	1
Perfluoroheptanoic acid (PFHpA)	<4.6	4.6	ug/Kg	₩	06/11/21 19:04	06/14/21 23:55	1
Perfluorohexanesulfonic acid (PFHxS)	<4.6	4.6	ug/Kg	≎	06/11/21 19:04	06/14/21 23:55	1
Perfluorohexanoic acid (PFHxA)	<4.6	4.6	ug/Kg	₩	06/11/21 19:04	06/14/21 23:55	1
Perfluorononanesulfonic acid (PFNS)	<4.6	4.6	ug/Kg	⊅	06/11/21 19:04	06/14/21 23:55	1
Perfluorononanoic acid (PFNA)	<4.6	4.6	ug/Kg	≎	06/11/21 19:04	06/14/21 23:55	1
Perfluorooctanesulfonamide (FOSA)	<4.6	4.6	ug/Kg	₩	06/11/21 19:04	06/14/21 23:55	1
Perfluorooctanesulfonic acid (PFOS)	<11	11	ug/Kg		06/11/21 19:04	06/14/21 23:55	1
Perfluorooctanoic acid (PFOA)	<4.6	4.6	ug/Kg	₩	06/11/21 19:04	06/14/21 23:55	1
Perfluoropentanesulfonic acid (PFPeS)	<4.6	4.6	ug/Kg	₩	06/11/21 19:04	06/14/21 23:55	1
Perfluoropentanoic acid (PFPeA)	<4.6	4.6	ug/Kg	≎	06/11/21 19:04	06/14/21 23:55	1
Perfluorotetradecanoic acid (PFTeA)	<4.6	4.6	ug/Kg	₽	06/11/21 19:04	06/14/21 23:55	1
Perfluorotridecanoic acid (PFTriA)	<4.6	4.6	ug/Kg	₩	06/11/21 19:04	06/14/21 23:55	1
Perfluoroundecanoic acid (PFUnA)	<4.6	4.6	ug/Kg		06/11/21 19:04	06/14/21 23:55	1
Isotope Dilution	%Recovery Qualifier	Limits			Prepared	Analyzod	Dil Fac
13C8 FOSA	85 Qualifier	25 - 150				Analyzed 06/14/21 23:55	
13C3 HFPO-DA	93	25 - 150 25 - 150				06/14/21 23:55	1
13C4 PFBA	93 24 *5-	25 - 150 25 - 150				06/14/21 23:55	1
13C3 PFBS	109	25 ₋ 150				06/14/21 23:55	1
13C2 PFDA	87	25 ₋ 150				06/14/21 23:55	1
13C2 PFDoA	29	25 - 150				06/14/21 23:55	
13C4 PFHpA	96	25 - 150				06/14/21 23:55	1
13C2 PFHxA	100	25 - 150				06/14/21 23:55	1
13C5 PFNA	92	25 - 150				06/14/21 23:55	
13C4 PFOA	94	25 - 150				06/14/21 23:55	1
13C4 PFOS	86	25 - 150				06/14/21 23:55	1
13C5 PFPeA	88	25 - 150				06/14/21 23:55	1
13C2 PFTeDA	30	25 - 150				06/14/21 23:55	1
13C2 PFUnA	62	25 - 150				06/14/21 23:55	1
d5-NEtFOSAA	33	25 - 150			06/11/21 19:04	06/14/21 23:55	
42 NMA-FOCAA	FO	05 450			06/44/04 40:04	06/44/04 00:55	

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06/11/21 19:04 06/14/21 23:55

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Client Sample Results

Client: Village of Romeo Job ID: 190-26098-1

Project/Site: Village of Romeo-PFAS - BIOSOLIDS

Client Sample ID: PFAS Lab Sample ID: 190-26098-1

Date Collected: 06/02/21 08:00 **Matrix: Solid** Date Received: 06/03/21 15:24 **Percent Solids: 4.3**

Method: 537 (modified) -	Fluorinated Alkyl Substa	inces (Continued)			
Isotope Dilution	%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
M2-4:2 FTS	146	25 - 150	06/11/21 19:04	06/14/21 23:55	1
M2-6:2 FTS	124	25 - 150	06/11/21 19:04	06/14/21 23:55	1
M2-8:2 FTS	140	25 - 150	06/11/21 19:04	06/14/21 23:55	1
1802 PFHxS	97	25 - 150	06/11/21 19:04	06/14/21 23:55	1

General Chemistry Analyte	Result Q	ualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
Percent Moisture	95.7		0.1	%			06/07/21 11:08	1
Percent Solids	4.3		0.1	%			06/07/21 11:08	1

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Client: Village of Romeo Job ID: 190-26098-1

Project/Site: Village of Romeo-PFAS - BIOSOLIDS

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sam	ple ID:	MB 320)-497937	'/1-A
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Matrix: Solid

Analysis Batch: 497987

Client	Sample	ID:	Metho	od Bl	ank
	Pr	en '	Type:	Total	/NA

Prep Type: Total/NA Prep Batch: 497937

Analysis Batch: 437307	MB	МВ					r rep batch.	431331
Analyte		Qualifier	RL	Unit	D	Prepared	Analyzed	Dil Fac
4,8-Dioxa-3H-perfluorononanoic acid	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
(ADONA)								
F-53B Major	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
F-53B Minor	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
4:2 FTS	<2.0		2.0	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
6:2 FTS	<2.0		2.0	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
8:2 FTS	<2.0		2.0	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
HFPO-DA (GenX)	<0.25		0.25	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
N-ethylperfluorooctanesulfonamidoac etic acid (NEtFOSAA)	<2.0		2.0	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
N-methylperfluorooctanesulfonamidoa cetic acid (NMeFOSAA)	<2.0		2.0	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorobutanoic acid (PFBA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorodecanesulfonic acid (PFDS)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorodecanoic acid (PFDA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorododecanoic acid (PFDoA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluoroheptanoic acid (PFHpA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorohexanesulfonic acid (PFHxS)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorohexanoic acid (PFHxA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorononanesulfonic acid (PFNS)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorononanoic acid (PFNA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorooctanesulfonamide (FOSA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		0.50	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorooctanoic acid (PFOA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluoropentanesulfonic acid (PFPeS)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluoropentanoic acid (PFPeA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorotetradecanoic acid (PFTeA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluorotridecanoic acid (PFTriA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
Perfluoroundecanoic acid (PFUnA)	<0.20		0.20	ug/Kg		06/11/21 19:04	06/13/21 09:33	1
	MB	MB						
Isotope Dilution	%Recovery	Qualifier	Limits			Prepared	Analyzed	Dil Fac
1000 5004			05. 450			00/44/04 40:04	00/40/04 00:00	

	IVID II	VID .			
Isotope Dilution	%Recovery (Qualifier Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	91	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C3 HFPO-DA	81	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C4 PFBA	80	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C3 PFBS	96	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C2 PFDA	77	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C2 PFDoA	91	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C4 PFHpA	87	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C2 PFHxA	86	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C5 PFNA	88	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C4 PFOA	87	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C4 PFOS	75	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C5 PFPeA	84	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C2 PFTeDA	80	25 - 150	06/11/21 19:04	06/13/21 09:33	1
13C2 PFUnA	85	25 - 150	06/11/21 19:04	06/13/21 09:33	1
d5-NEtFOSAA	96	25 - 150	06/11/21 19:04	06/13/21 09:33	1

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

Lab Sample ID: MB 320-497937/1-A

Matrix: Solid

Analysis Batch: 497987

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 497937

MB MB				
%Recovery Qualifier	Limits	Prepared	Analyzed	Dil Fac
86	25 - 150	06/11/21 19:04	06/13/21 09:33	1
87	25 - 150	06/11/21 19:04	06/13/21 09:33	1
84	25 - 150	06/11/21 19:04	06/13/21 09:33	1
94	25 - 150	06/11/21 19:04	06/13/21 09:33	1
84	25 - 150	06/11/21 19:04	06/13/21 09:33	1
	%Recovery Qualifier 86 87 84	%Recovery Qualifier Limits 86 25 - 150 87 25 - 150 84 25 - 150 94 25 - 150	%Recovery Qualifier Limits Prepared 86 25 - 150 06/11/21 19:04 87 25 - 150 06/11/21 19:04 84 25 - 150 06/11/21 19:04 94 25 - 150 06/11/21 19:04	%Recovery Qualifier Limits Prepared Analyzed 86 25 - 150 06/11/21 19:04 06/13/21 09:33 87 25 - 150 06/11/21 19:04 06/13/21 09:33 84 25 - 150 06/11/21 19:04 06/13/21 09:33 94 25 - 150 06/11/21 19:04 06/13/21 09:33

Lab Sample ID: LCS 320-497937/2-A

Matrix: Solid

Analysis Batch: 497987

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 497937

Analysis Batch. 457507	Spike	LCS	LCS			%Rec.
Analyte	Added	Result	Qualifier	Unit	D %Rec	Limits
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.88	2.23		ug/Kg		79 - 139
F-53B Major	1.86	2.04		ug/Kg	109	74 - 134
F-53B Minor	1.88	2.13		ug/Kg	113	66 - 136
4:2 FTS	1.87	1.92	J	ug/Kg	103	68 - 143
6:2 FTS	1.90	1.92	J	ug/Kg	101	73 - 139
8:2 FTS	1.92	1.83	J	ug/Kg	95	75 - 135
HFPO-DA (GenX)	2.00	2.16		ug/Kg	108	53 - 158
N-ethylperfluorooctanesulfonami doacetic acid (NEtFOSAA)	2.00	2.03		ug/Kg	101	72 - 132
N-methylperfluorooctanesulfona midoacetic acid (NMeFOSAA)	2.00	1.96	J	ug/Kg	98	72 - 132
Perfluorobutanesulfonic acid (PFBS)	1.77	1.56		ug/Kg	88	69 - 129
Perfluorobutanoic acid (PFBA)	2.00	2.10		ug/Kg	105	76 - 136
Perfluorodecanesulfonic acid (PFDS)	1.93	2.05		ug/Kg	107	71 - 131
Perfluorodecanoic acid (PFDA)	2.00	1.83		ug/Kg	91	72 - 132
Perfluorododecanoic acid (PFDoA)	2.00	2.22		ug/Kg	111	71 - 131
Perfluoroheptanesulfonic Acid (PFHpS)	1.90	2.24		ug/Kg	117	76 - 136
Perfluoroheptanoic acid (PFHpA)	2.00	2.14		ug/Kg	107	71 - 131
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.66		ug/Kg	91	62 - 122
Perfluorohexanoic acid (PFHxA)	2.00	1.93		ug/Kg	96	71 - 131
Perfluorononanesulfonic acid (PFNS)	1.92	2.22		ug/Kg	116	72 - 132
Perfluorononanoic acid (PFNA)	2.00	2.17		ug/Kg	108	73 - 133
Perfluorooctanesulfonamide (FOSA)	2.00	2.00		ug/Kg	100	77 - 137
Perfluorooctanesulfonic acid (PFOS)	1.86	2.14		ug/Kg	115	68 - 141
Perfluorooctanoic acid (PFOA)	2.00	2.11		ug/Kg	106	72 - 132
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.64		ug/Kg	87	66 - 126
Perfluoropentanoic acid (PFPeA)	2.00	1.98		ug/Kg	99	69 - 129
Perfluorotetradecanoic acid (PFTeA)	2.00	2.20		ug/Kg	110	67 - 127
Perfluorotridecanoic acid (PFTriA)	2.00	2.18		ug/Kg	109	71 - 131

QC Sample Results

Client: Village of Romeo Job ID: 190-26098-1

Project/Site: Village of Romeo-PFAS - BIOSOLIDS

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

Lab Sample ID: LCS 320-497937/2-A			Client Sample ID: Lab Control Sample
Matrix: Solid			Prep Type: Total/NA
Analysis Batch: 497987			Prep Batch: 497937
	Spike	LCS LCS	%Rec.

Analysis Batch: 497987									Prep Batch: 497937
			Spike		LCS				%Rec.
Analyte	_		Added		Qualifier	Unit	D	%Rec	Limits
Perfluoroundecanoic acid (PFUnA)			2.00	1.67		ug/Kg		83	66 - 126
	LCS	LCS							
Isotope Dilution	%Recovery	Qualifier	Limits						
13C8 FOSA	90		25 - 150						
13C3 HFPO-DA	86		25 - 150						
13C4 PFBA	81		25 - 150						
13C3 PFBS	98		25 - 150						
13C2 PFDA	83		25 - 150						
13C2 PFDoA	79		25 - 150						
13C4 PFHpA	90		25 - 150						
13C2 PFHxA	91		25 - 150						
13C5 PFNA	88		25 - 150						
13C4 PFOA	87		25 - 150						
13C4 PFOS	75		25 - 150						
13C5 PFPeA	87		25 - 150						
13C2 PFTeDA	76		25 - 150						
13C2 PFUnA	93		25 - 150						
d5-NEtFOSAA	91		25 - 150						
d3-NMeFOSAA	87		25 - 150						
M2-4:2 FTS	91		25 - 150						
M2-6:2 FTS	89		25 - 150						
M2-8:2 FTS	94		25 - 150						
18O2 PFHxS	88		25 - 150						

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Definitions/Glossary

Client: Village of Romeo Job ID: 190-26098-1

Project/Site: Village of Romeo-PFAS - BIOSOLIDS

Qualifiers

		N۸	C
_	U	V	J

 Qualifier
 Qualifier Description

 *5 Isotope dilution analyte is outside acceptance limits, low biased.

J Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

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

Example 2 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

- -

3

4

7

8

C

Eurofins TestAmerica. Michigan			MICHIGAN	
10448 Citation Drive Suite 200 Brighton, MI 48116 Phone: 840-228-2763 Eav. 840-229-0000	ည	ain of Custody Record	190	Seurofins Environment Testing America
Client Information	Sampler: 0 / c /	Lab PM: Schafer Sua	Carrier Tracking No(s):	COC No.
Client Contact:	1 (State of Origin:	190-31109-2029.1 Page:
Al Lapeer	١٨	2 / Sue.Schafer@Eurofinset.com		Page 1 of 1
Company: Village of Romeo	- I-MSID:		Analysis Requested	, qop #:
Address: 121 W. St. Clair	Due Date Requested:			
City. Romeo	TAT Requested (days):	1000		
State, Zip: MI, 48065	Compliance Project: A Yes A No			D - Nitric Acid P - Na204S E - NaHSO4 Q - Na2SO3
Phone: 584-752-9321	PO #: Purchase Order not required	(0		
Email: romeowwtp@gmail.com	WO#			I - Ice J - Di Water
Project Name: Village of Romeo PFAS - BIOSOLIDS	Project #: 19001450			K - EDTA L - EDA
Site:	SSOW#:	A) gs		Other:
		Matrix (www.ee. (www.ee.) Fillered Smoold, Smoold, PPAS		тәфший
Sample Identification	Sample (C=comp,	D=waste/oil, D F		ਰੂੰ Special Instructions/Note:
		\		
F F-A >	6-7-21 8:00 6	Solid		*
			0.0000	
			- 190-2009o Chain of Custody	ustody
Possible Hazard Identification Non-Hazard Hammable Skin Irriant Pe	Poison B 💌 Unknown 🗆 Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	tained longer than 1 month)
ested: I, II, III, IV, Other (specify)			'QC Requirements:	WORKS OF THE PROPERTY OF THE P
Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:	
Relinquisped by:	Date/Time: 6-7-21 /0800	Company	Date/Time: 04/03/21	1150 Company
Refinquished by.	2016 1433 26/03/2/ 1433 Date/Time:	Company Received by Received by	CO Date/me:	1524 Company
Custody Seals Intact: Custody Seal No.:		Cooler Temperature	Cooler Temperature(s) °C and Other Remarks:	
				Ver: 11/01/2020

A eurofins	☐ SDS or Known F		ion Supplied by Client Client ID: Village of Romeo
Ç Festêdra. Pod	☐ Short Hold		Work Oder #: 190-26098
Cooler / Sample Receipt		Ti2-Dav⊟3-Da	y
After hours receipt: complete gray			Ils: <u>Tell-</u> Data: 63/4 Time: 1524
areas. Place cooler in walk-in, place	7	3.11311773 a b y. 1111112	Tell Bails of For Times.
form in Receiving box. Date: Time:			
Method of Shipment:	Shipping	Container Typ	e: Custody Seals Intact:
Walk-In Client Eurofins TA Field Co]Вох.	Yes No
Other Client / 3 rd Party Courier:]Other:	ি পুA (not used or required)
Fed Ex Tracking #:	Parking iv		Cooling Materials:
UPS Tracking #:		gs⊊Foam	
Other:		ap□ Paper	
			Other:
Bacteriological Temp Corrected (°C)			
Samples			rirs? Sample Flagged?
Osmpico .	Yes No	Yes N	o Yes No
Received on same day sampled? Yes	NO) Add	litional Sheets F	Required? (Yes) No
Receipt Temperatures	Add	indonal Otleats t	radmiadi. (162) Mo
Thermometer ID Obsarved (°C) Corrected (°C)	ı Temo Blank Samole T	ema Accaniable	Cooler ID Affected Samples
CP313207 3.0 30		Y N	Cooler 15 Arrested Camples
		YN	
	· <u> </u>	Y N	
Receipt Questions**		Lala Legal II	
CoC present and ETA receipt signature, date, and	time properly	NA "No" ansy	vers require additional comment
documented?			
Containers and Labels in good condition? (unbroke appropriately filled, labels legible & attached)			
Appropriate containers used and adequate volume	provided?	Preserved	bottles checked for pH?* Yes No
Number of sample containers match CoC? Samples received within hold?		pH strip lot	#
Samples received within hold? Samples submitted for GRO and Volatiles analysis	/2200 024		
524) received without headspace?	(0200, 024,		
Was a Trip Blank received with VOA samples?			
Were the samples free of any questionable physica			
conformities? (i.e.; field duplicates or multiple bottle sample do not significantly vary in appearance – co	s of the same		
proportions, etc.)			
Were the CoC bottle labels and all other items free discrepancies or issues that would need to be addr he Project Manager and/or Client?	of all other essed with		
*May not be applicable if samples are not for comp	pliance testing	*Evoludos	FOG, VOAs, TOC Viais, HEM
Client Contact Record		LAGIGGES	
Contact Via: Phone Email Other:	Person Contact	ed:	Date/Time:
Discrepancy allowance agreen	nent is on record in the c	client project file	34.57 11113
Discussion / Resolution		, ,	•
Any additional documentation and clarification directory.	from the client must be a	noted in the nam	ative and/or scanned into the CoC
1 1 1 1	Date: 6/3/21		. 1.
No.	Date:0/3/4/		WI-MI-010_020720

Chain of Custody Record

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

seurofins Environment Testing America

Client Information (Sub Contract Lab)				Scha	Schafer, Sue				airiei Trackirig No(s).		190-29526.1		
Client Contact:	Phone:			E-Mail:				State of Origin:	gin:		Page:		
Shipping/ Receiving				one.	cnarer	Sue Schafer@Eurofinset.com	m	Michigan			Page 1 of 1		
Company. TestAmerica Laboratories, Inc.					Accredita	Accreditations Required (See note):	se note):				Job #: 190-26098-1		
Address: 880 Riverside Parkway,	Due Date Requested 6/16/2021	:eq:					Analysis Requested	guested			Preservation Codes:	Codes:	
City. West Sacramento	TAT Requested (days	ays):									A - HCL B - NaOH		
State, Zip: CA, 95605											C - Zn Acetate D - Nitric Acid E - NaHSO4	O - AsNaO2 P - Na2O4S Q - Na2SO3	
Phone: 916-373-5600(Tel) 916-372-1059(Fax)	PO #:				(F - MeOH G - Amchlor		
Email:						82 SA=					(25		rate
Project Name: Village of Romeo-PFAS - BIOSOLIDS	Project #: 19001450										K-EDTA L-EDA	W - pH 4-5 Z - other (specify)	
Site:	SSOW#:										Other:		
Sample Identification - Client ID (Lab ID)	Sample Date	Sample	Sample Type (C=comp, G=crab)	Matrix (w=water, S=solid, O=waste/oil, BT=Tissue, A=Arr)	beretiii bleii WISM mohe	Moisture/ Perce					ofal Mumber o	Crocio Internation	
	$\left\langle \right\rangle$	X	7 (0		_							IIIstructions/Note:	
PFAS (190-26098-1)	6/2/21	08:00 Fastern		Solid		×					2		
											No.		
										3			
										(8.2	×		
Note: 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 altention in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the 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.	tAmerica places the ownersl s/matrix being analyzed, the s rrent to date, return the signe	nip of method, a samples must b ed Chain of Cus	nalyte & accree e shipped back tody attesting t	litation complia to the Eurofins said complica	nce upon TestAme nce to Eu	out subcontract la rica laboratory or rofins TestAmerica	iboratories. This sa other instructions was	ample shipmer ill be provided	nt is forwarder I. Any change	d under cha	in-of-custody. If the itation status shoul	laboratory does not curre	ently
Possible Hazard Identification					Sam	ple Disposal	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)	assessed	if samples	are retai	ned longer tha	n 1 month)	
Unconfirmed					_	☐ Return To Client	ient	Disposal By Lab	y Lab	Arc	Archive For	Months	
Deliverable Requested: I, III, IV, Other (specify)	Primary Deliverable Rank: 2	able Rank: 2			Spec	ial Instructions	Special Instructions/QC Requirements:	ents:					
Empty Kit Relinquished by:		Date:			Time:			Meth	Method of Shipment	e ,			
Relinquished by: L. Hell	Date/Time: /	1600	<u> </u>	Company	u.	Received by:	7		Date/Time:	() ()	101	Company	
Relinquished by:	Date/Time:			Сотрапу	ш.	Received			Date/Time	me:	1		T
Relinquished by:	Date/Time:			Company		Received by:			Date/Time:	ne:		Company	
Custody Seals Intact: Custody Seal No:						ooler Temperatur	Cooler Temperature(s) °C and Other Remarks:	Remarks:	1	20			
\mathbb{N}	Orsiota	11/2/	É	#	1	14/2	Kot	١.	Oct.	1	10 6/c	6/1/ Ver: 11/01/2020	
- Land	1111111			12	è		,		8				

Client: Village of Romeo Job ID: 190-26098-1

Project/Site: Village of Romeo-PFAS - BIOSOLIDS

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)
190-26098-1	PFAS	85	93	24 *5-	109	87	29	96	100
LCS 320-497937/2-A	Lab Control Sample	90	86	81	98	83	79	90	91
MB 320-497937/1-A	Method Blank	91	81	80	96	77	91	87	86
			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)
190-26098-1	PFAS	92	94	86	88	30	62	33	58
LCS 320-497937/2-A	Lab Control Sample	88	87	75	87	76	93	91	87
MB 320-497937/1-A	Method Blank	88	87	75	84	80	85	96	86
			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)				
190-26098-1	PFAS	146	124	140	97				
LCS 320-497937/2-A	Lab Control Sample	91	89	94	88				
MB 320-497937/1-A	Method Blank	87	84	94	84				

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 = 1802 PFHxS

Eurofins TestAmerica, Michigan

6/16/2021

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