

ANALYTICAL REPORT

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

Laboratory Job ID: 500-215473-1

Client Project/Site: Arkema - Saukville 341-022-004

For:

Endpoint Solutions Corp
6871 S. Lover's Lane
Franklin, Wisconsin 53132

Attn: Mr. Tim Petrick



Authorized for release by:
5/6/2022 12:44:59 PM

Sandie Fredrick, Project Manager II
(920)261-1660
Sandra.Fredrick@et.eurofinsus.com

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The test results in this report meet all 2003 NELAC, 2009 TNI, and 2016 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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



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Case Narrative

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Job ID: 500-215473-1

Laboratory: Eurofins Chicago

Narrative

**Job Narrative
500-215473-1**

Comments

No additional comments.

Receipt

The samples were received on 4/22/2022 9:55 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.6° C.

Receipt Exceptions

1 of 2 sample containers for sample: #6 for job# 500-215473 were received. DUP 1 (500-215473-6).

LCMS

Method 537 (modified): Results for samples W-45 (500-215473-3), W-49 (500-215473-4) and DUP 1 (500-215473-6) were reported from the analysis of a diluted extract due to high concentration of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were outside acceptance limits. The target analyte results were comparable between the 1X and the 5X analysis. Internal standard is not used in the quantitation of the target analytes, therefore the data is reported.

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

Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-584757. Method code: 3535_PFC_28D Matrix: Aqueous

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



Detection Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-08r

Lab Sample ID: 500-215473-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	1.7	J	1.9	0.19	ng/L	1		537 (modified)	Total/NA

Client Sample ID: W-44

Lab Sample ID: 500-215473-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	54		5.0	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	140		2.0	0.49	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	200		2.0	0.58	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	98		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	86		2.0	0.85	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	6.4		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	12		2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	13		2.0	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	83		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	4.5		2.0	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	130		2.0	0.54	ng/L	1		537 (modified)	Total/NA
6:2 FTS	45		5.0	2.5	ng/L	1		537 (modified)	Total/NA

Client Sample ID: W-45

Lab Sample ID: 500-215473-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	14		4.9	2.4	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	12		2.0	0.48	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	16		2.0	0.57	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	7.5		2.0	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	15		2.0	0.83	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	2.2		2.0	0.27	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.6		2.0	0.20	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	5.4		2.0	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	66		2.0	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	7.4		2.0	0.19	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS) - DL	380		9.8	2.7	ng/L	5		537 (modified)	Total/NA

Client Sample ID: W-49

Lab Sample ID: 500-215473-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	150		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	300		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	100		1.9	0.82	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	19		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	7.5		1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.3		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.2	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	14		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.21	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	20		1.9	0.52	ng/L	1		537 (modified)	Total/NA
6:2 FTS	44		4.8	2.4	ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

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Detection Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-49 (Continued)

Lab Sample ID: 500-215473-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
8:2 FTS	3.3		1.9	0.44	ng/L	1		537 (modified)	Total/NA
10:2 FTS	1.1	J	1.9	0.64	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	560		9.6	2.4	ng/L	5		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	460		9.6	2.8	ng/L	5		537 (modified)	Total/NA

Client Sample ID: W-50

Lab Sample ID: 500-215473-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	38		4.8	2.3	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	110		1.9	0.47	ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	75		1.9	0.56	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	54		1.9	0.24	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	31		1.9	0.82	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	7.3		1.9	0.26	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	1.8	J	1.9	0.30	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.5		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.6	J	1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	21		1.9	0.55	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanesulfonic acid (PFHpS)	0.64	J	1.9	0.18	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	36		1.9	0.52	ng/L	1		537 (modified)	Total/NA
6:2 FTS	5.0		4.8	2.4	ng/L	1		537 (modified)	Total/NA
8:2 FTS	2.1		1.9	0.44	ng/L	1		537 (modified)	Total/NA

Client Sample ID: DUP 1

Lab Sample ID: 500-215473-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	140		4.6	2.2	ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	310		1.9	0.23	ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	110		1.9	0.79	ng/L	1		537 (modified)	Total/NA
Perfluorononanoic acid (PFNA)	20		1.9	0.25	ng/L	1		537 (modified)	Total/NA
Perfluorodecanoic acid (PFDA)	7.7		1.9	0.29	ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.7		1.9	0.19	ng/L	1		537 (modified)	Total/NA
Perfluoropentanesulfonic acid (PFPeS)	1.1	J	1.9	0.28	ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	14		1.9	0.53	ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	19		1.9	0.50	ng/L	1		537 (modified)	Total/NA
6:2 FTS	42		4.6	2.3	ng/L	1		537 (modified)	Total/NA
8:2 FTS	3.3		1.9	0.43	ng/L	1		537 (modified)	Total/NA
10:2 FTS	0.99	J	1.9	0.62	ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA) - DL	610		9.3	2.3	ng/L	5		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA) - DL	440		9.3	2.7	ng/L	5		537 (modified)	Total/NA

Client Sample ID: FB-1

Lab Sample ID: 500-215473-7

No Detections.

Client Sample ID: EB-1

Lab Sample ID: 500-215473-9

No Detections.

This Detection Summary does not include radiochemical test results.

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Method Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

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

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Sample Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
500-215473-1	W-08r	Water	04/20/22 13:44	04/22/22 09:06
500-215473-2	W-44	Water	04/20/22 10:50	04/22/22 09:06
500-215473-3	W-45	Water	04/20/22 11:43	04/22/22 09:06
500-215473-4	W-49	Water	04/20/22 13:13	04/22/22 09:06
500-215473-5	W-50	Water	04/20/22 12:08	04/22/22 09:06
500-215473-6	DUP 1	Water	04/20/22 13:13	04/22/22 09:06
500-215473-7	FB-1	Water	04/20/22 13:25	04/22/22 09:06
500-215473-9	EB-1	Water	04/20/22 13:22	04/22/22 09:06

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Client Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-08r
Date Collected: 04/20/22 13:44
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-1
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.7	2.3	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluoropentanoic acid (PFPeA)	<0.46		1.9	0.46	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorooctanoic acid (PFOA)	<0.80		1.9	0.80	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorononanoic acid (PFNA)	<0.25		1.9	0.25	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorodecanoic acid (PFDA)	<0.29		1.9	0.29	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorotetradecanoic acid (PFTeA)	<0.69		1.9	0.69	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.84		1.9	0.84	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.89		1.9	0.89	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorobutanesulfonic acid (PFBS)	1.7 J		1.9	0.19	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.9	0.28	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorododecanesulfonic acid (PFDoS)	<0.91		1.9	0.91	ng/L		05/03/22 05:03	05/04/22 18:11	1
Perfluorooctanesulfonamide (FOSA)	<0.92		1.9	0.92	ng/L		05/03/22 05:03	05/04/22 18:11	1
NEtFOSA	<0.82		1.9	0.82	ng/L		05/03/22 05:03	05/04/22 18:11	1
NMeFOSA	<0.41		1.9	0.41	ng/L		05/03/22 05:03	05/04/22 18:11	1
NMeFOSAA	<1.1		4.7	1.1	ng/L		05/03/22 05:03	05/04/22 18:11	1
NEtFOSAA	<1.2		4.7	1.2	ng/L		05/03/22 05:03	05/04/22 18:11	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/03/22 05:03	05/04/22 18:11	1
NEtFOSE	<0.80		1.9	0.80	ng/L		05/03/22 05:03	05/04/22 18:11	1
4:2 FTS	<0.23		1.9	0.23	ng/L		05/03/22 05:03	05/04/22 18:11	1
6:2 FTS	<2.4		4.7	2.4	ng/L		05/03/22 05:03	05/04/22 18:11	1
8:2 FTS	<0.43		1.9	0.43	ng/L		05/03/22 05:03	05/04/22 18:11	1
10:2 FTS	<0.63		1.9	0.63	ng/L		05/03/22 05:03	05/04/22 18:11	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/03/22 05:03	05/04/22 18:11	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/03/22 05:03	05/04/22 18:11	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		05/03/22 05:03	05/04/22 18:11	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		05/03/22 05:03	05/04/22 18:11	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	90		25 - 150				05/03/22 05:03	05/04/22 18:11	1
13C5 PFPeA	102		25 - 150				05/03/22 05:03	05/04/22 18:11	1
13C2 PFHxA	101		25 - 150				05/03/22 05:03	05/04/22 18:11	1
13C4 PFHpA	103		25 - 150				05/03/22 05:03	05/04/22 18:11	1
13C4 PFOA	101		25 - 150				05/03/22 05:03	05/04/22 18:11	1
13C5 PFNA	95		25 - 150				05/03/22 05:03	05/04/22 18:11	1
13C2 PFDA	107		25 - 150				05/03/22 05:03	05/04/22 18:11	1

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Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-08r
Date Collected: 04/20/22 13:44
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-1
Matrix: Water

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFluA	104		25 - 150	05/03/22 05:03	05/04/22 18:11	1
13C2 PFlDoA	103		25 - 150	05/03/22 05:03	05/04/22 18:11	1
13C2 PFlTeDA	107		25 - 150	05/03/22 05:03	05/04/22 18:11	1
13C2 PFlHxDA	100		25 - 150	05/03/22 05:03	05/04/22 18:11	1
13C3 PFlBS	108		25 - 150	05/03/22 05:03	05/04/22 18:11	1
18O2 PFlHxS	106		25 - 150	05/03/22 05:03	05/04/22 18:11	1
13C4 PFlOS	99		25 - 150	05/03/22 05:03	05/04/22 18:11	1
13C8 FOSA	91		10 - 150	05/03/22 05:03	05/04/22 18:11	1
d3-NMeFOSA	112		25 - 150	05/03/22 05:03	05/04/22 18:11	1
d5-NEtFOSA	111		25 - 150	05/03/22 05:03	05/04/22 18:11	1
d-N-MeFOSA-M	82		10 - 150	05/03/22 05:03	05/04/22 18:11	1
d-N-EtFOSA-M	76		10 - 150	05/03/22 05:03	05/04/22 18:11	1
d7-N-MeFOSE-M	82		10 - 150	05/03/22 05:03	05/04/22 18:11	1
d9-N-EtFOSE-M	86		10 - 150	05/03/22 05:03	05/04/22 18:11	1
M2-4:2 FTS	114		25 - 150	05/03/22 05:03	05/04/22 18:11	1
M2-6:2 FTS	121		25 - 150	05/03/22 05:03	05/04/22 18:11	1
M2-8:2 FTS	112		25 - 150	05/03/22 05:03	05/04/22 18:11	1
13C3 HFPO-DA	98		25 - 150	05/03/22 05:03	05/04/22 18:11	1
13C2 10:2 FTS	117		25 - 150	05/03/22 05:03	05/04/22 18:11	1

Client Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-44
Date Collected: 04/20/22 10:50
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-2
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	54		5.0	2.4	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluoropentanoic acid (PFPeA)	140		2.0	0.49	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorohexanoic acid (PFHxA)	200		2.0	0.58	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluoroheptanoic acid (PFHpA)	98		2.0	0.25	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorooctanoic acid (PFOA)	86		2.0	0.85	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorononanoic acid (PFNA)	6.4		2.0	0.27	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.93		2.0	0.93	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorobutanesulfonic acid (PFBS)	12		2.0	0.20	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluoropentanesulfonic acid (PFPeS)	13		2.0	0.30	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorohexanesulfonic acid (PFHxS)	83		2.0	0.57	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluoroheptanesulfonic acid (PFHpS)	4.5		2.0	0.19	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorooctanesulfonic acid (PFOS)	130		2.0	0.54	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorododecanesulfonic acid (PFDoS)	<0.96		2.0	0.96	ng/L		05/03/22 05:03	05/04/22 18:21	1
Perfluorooctanesulfonamide (FOSA)	<0.97		2.0	0.97	ng/L		05/03/22 05:03	05/04/22 18:21	1
NEtFOSA	<0.87		2.0	0.87	ng/L		05/03/22 05:03	05/04/22 18:21	1
NMeFOSA	<0.43		2.0	0.43	ng/L		05/03/22 05:03	05/04/22 18:21	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		05/03/22 05:03	05/04/22 18:21	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		05/03/22 05:03	05/04/22 18:21	1
NMeFOSE	<1.4		4.0	1.4	ng/L		05/03/22 05:03	05/04/22 18:21	1
NEtFOSE	<0.85		2.0	0.85	ng/L		05/03/22 05:03	05/04/22 18:21	1
4:2 FTS	<0.24		2.0	0.24	ng/L		05/03/22 05:03	05/04/22 18:21	1
6:2 FTS	45		5.0	2.5	ng/L		05/03/22 05:03	05/04/22 18:21	1
8:2 FTS	<0.46		2.0	0.46	ng/L		05/03/22 05:03	05/04/22 18:21	1
10:2 FTS	<0.67		2.0	0.67	ng/L		05/03/22 05:03	05/04/22 18:21	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		05/03/22 05:03	05/04/22 18:21	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		05/03/22 05:03	05/04/22 18:21	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		05/03/22 05:03	05/04/22 18:21	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		05/03/22 05:03	05/04/22 18:21	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150				05/03/22 05:03	05/04/22 18:21	1
13C5 PFPeA	94		25 - 150				05/03/22 05:03	05/04/22 18:21	1
13C2 PFHxA	103		25 - 150				05/03/22 05:03	05/04/22 18:21	1
13C4 PFHpA	107		25 - 150				05/03/22 05:03	05/04/22 18:21	1
13C4 PFOA	102		25 - 150				05/03/22 05:03	05/04/22 18:21	1

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Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-44
Date Collected: 04/20/22 10:50
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-2
Matrix: Water

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C5 PFNA	107		25 - 150	05/03/22 05:03	05/04/22 18:21	1
13C2 PFDA	108		25 - 150	05/03/22 05:03	05/04/22 18:21	1
13C2 PFUnA	108		25 - 150	05/03/22 05:03	05/04/22 18:21	1
13C2 PFDoA	103		25 - 150	05/03/22 05:03	05/04/22 18:21	1
13C2 PFTeDA	107		25 - 150	05/03/22 05:03	05/04/22 18:21	1
13C2 PFHxDA	102		25 - 150	05/03/22 05:03	05/04/22 18:21	1
13C3 PFBS	104		25 - 150	05/03/22 05:03	05/04/22 18:21	1
18O2 PFHxS	108		25 - 150	05/03/22 05:03	05/04/22 18:21	1
13C4 PFOS	103		25 - 150	05/03/22 05:03	05/04/22 18:21	1
13C8 FOSA	91		10 - 150	05/03/22 05:03	05/04/22 18:21	1
d3-NMeFOSAA	101		25 - 150	05/03/22 05:03	05/04/22 18:21	1
d5-NEtFOSAA	110		25 - 150	05/03/22 05:03	05/04/22 18:21	1
d-N-MeFOSA-M	88		10 - 150	05/03/22 05:03	05/04/22 18:21	1
d-N-EtFOSA-M	83		10 - 150	05/03/22 05:03	05/04/22 18:21	1
d7-N-MeFOSE-M	80		10 - 150	05/03/22 05:03	05/04/22 18:21	1
d9-N-EtFOSE-M	77		10 - 150	05/03/22 05:03	05/04/22 18:21	1
M2-4:2 FTS	122		25 - 150	05/03/22 05:03	05/04/22 18:21	1
M2-6:2 FTS	133		25 - 150	05/03/22 05:03	05/04/22 18:21	1
M2-8:2 FTS	124		25 - 150	05/03/22 05:03	05/04/22 18:21	1
13C3 HFPO-DA	104		25 - 150	05/03/22 05:03	05/04/22 18:21	1
13C2 10:2 FTS	122		25 - 150	05/03/22 05:03	05/04/22 18:21	1

Client Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-45
Date Collected: 04/20/22 11:43
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-3
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	14		4.9	2.4	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluoropentanoic acid (PFPeA)	12		2.0	0.48	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorohexanoic acid (PFHxA)	16		2.0	0.57	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluoroheptanoic acid (PFHpA)	7.5		2.0	0.25	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorooctanoic acid (PFOA)	15		2.0	0.83	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorononanoic acid (PFNA)	2.2		2.0	0.27	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorodecanoic acid (PFDA)	<0.30		2.0	0.30	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorododecanoic acid (PFDoA)	<0.54		2.0	0.54	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorotetradecanoic acid (PFTeA)	<0.72		2.0	0.72	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.87		2.0	0.87	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.92		2.0	0.92	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorobutanesulfonic acid (PFBS)	5.6		2.0	0.20	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluoropentanesulfonic acid (PFPeS)	5.4		2.0	0.29	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorohexanesulfonic acid (PFHxS)	66		2.0	0.56	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluoroheptanesulfonic acid (PFHpS)	7.4		2.0	0.19	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorononanesulfonic acid (PFNS)	<0.36		2.0	0.36	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		2.0	0.31	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorododecanesulfonic acid (PFDoS)	<0.95		2.0	0.95	ng/L		05/03/22 05:03	05/04/22 18:32	1
Perfluorooctanesulfonamide (FOSA)	<0.96		2.0	0.96	ng/L		05/03/22 05:03	05/04/22 18:32	1
NEtFOSA	<0.85		2.0	0.85	ng/L		05/03/22 05:03	05/04/22 18:32	1
NMeFOSA	<0.42		2.0	0.42	ng/L		05/03/22 05:03	05/04/22 18:32	1
NMeFOSAA	<1.2		4.9	1.2	ng/L		05/03/22 05:03	05/04/22 18:32	1
NEtFOSAA	<1.3		4.9	1.3	ng/L		05/03/22 05:03	05/04/22 18:32	1
NMeFOSE	<1.4		3.9	1.4	ng/L		05/03/22 05:03	05/04/22 18:32	1
NEtFOSE	<0.83		2.0	0.83	ng/L		05/03/22 05:03	05/04/22 18:32	1
4:2 FTS	<0.24		2.0	0.24	ng/L		05/03/22 05:03	05/04/22 18:32	1
6:2 FTS	<2.5		4.9	2.5	ng/L		05/03/22 05:03	05/04/22 18:32	1
8:2 FTS	<0.45		2.0	0.45	ng/L		05/03/22 05:03	05/04/22 18:32	1
10:2 FTS	<0.66		2.0	0.66	ng/L		05/03/22 05:03	05/04/22 18:32	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		2.0	0.39	ng/L		05/03/22 05:03	05/04/22 18:32	1
HFPO-DA (GenX)	<1.5		3.9	1.5	ng/L		05/03/22 05:03	05/04/22 18:32	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		05/03/22 05:03	05/04/22 18:32	1
11Cl-PF3OUdS	<0.31		2.0	0.31	ng/L		05/03/22 05:03	05/04/22 18:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				05/03/22 05:03	05/04/22 18:32	1
13C5 PFPeA	92		25 - 150				05/03/22 05:03	05/04/22 18:32	1
13C2 PFHxA	98		25 - 150				05/03/22 05:03	05/04/22 18:32	1
13C4 PFHpA	101		25 - 150				05/03/22 05:03	05/04/22 18:32	1
13C4 PFOA	98		25 - 150				05/03/22 05:03	05/04/22 18:32	1
13C5 PFNA	95		25 - 150				05/03/22 05:03	05/04/22 18:32	1
13C2 PFDA	103		25 - 150				05/03/22 05:03	05/04/22 18:32	1

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Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-45
Date Collected: 04/20/22 11:43
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-3
Matrix: Water

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C2 PFluA	93		25 - 150	05/03/22 05:03	05/04/22 18:32	1
13C2 PFlDoA	98		25 - 150	05/03/22 05:03	05/04/22 18:32	1
13C2 PFlTeDA	99		25 - 150	05/03/22 05:03	05/04/22 18:32	1
13C2 PFlHxDA	95		25 - 150	05/03/22 05:03	05/04/22 18:32	1
13C3 PFlBS	111		25 - 150	05/03/22 05:03	05/04/22 18:32	1
18O2 PFlHxS	97		25 - 150	05/03/22 05:03	05/04/22 18:32	1
13C4 PFlOS	87		25 - 150	05/03/22 05:03	05/04/22 18:32	1
13C8 FOSA	83		10 - 150	05/03/22 05:03	05/04/22 18:32	1
d3-NMeFOSAA	104		25 - 150	05/03/22 05:03	05/04/22 18:32	1
d5-NEtFOSAA	102		25 - 150	05/03/22 05:03	05/04/22 18:32	1
d-N-MeFOSA-M	81		10 - 150	05/03/22 05:03	05/04/22 18:32	1
d-N-EtFOSA-M	74		10 - 150	05/03/22 05:03	05/04/22 18:32	1
d7-N-MeFOSE-M	75		10 - 150	05/03/22 05:03	05/04/22 18:32	1
d9-N-EtFOSE-M	80		10 - 150	05/03/22 05:03	05/04/22 18:32	1
M2-4:2 FTS	103		25 - 150	05/03/22 05:03	05/04/22 18:32	1
M2-6:2 FTS	110		25 - 150	05/03/22 05:03	05/04/22 18:32	1
M2-8:2 FTS	108		25 - 150	05/03/22 05:03	05/04/22 18:32	1
13C3 HFPO-DA	93		25 - 150	05/03/22 05:03	05/04/22 18:32	1
13C2 10:2 FTS	114		25 - 150	05/03/22 05:03	05/04/22 18:32	1

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

<u>Analyte</u>	<u>Result</u>	<u>Qualifier</u>	<u>RL</u>	<u>MDL</u>	<u>Unit</u>	<u>D</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
Perfluorooctanesulfonic acid (PFOS)	380		9.8	2.7	ng/L		05/03/22 05:03	05/05/22 18:58	5
<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>			
13C4 PFOS	105		25 - 150	05/03/22 05:03	05/05/22 18:58	5			

Client Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-49
Date Collected: 04/20/22 13:13
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-4
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	150		4.8	2.3	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluoroheptanoic acid (PFHpA)	300		1.9	0.24	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorooctanoic acid (PFOA)	100		1.9	0.82	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorononanoic acid (PFNA)	19		1.9	0.26	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorodecanoic acid (PFDA)	7.5		1.9	0.30	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.85		1.9	0.85	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.90		1.9	0.90	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorobutanesulfonic acid (PFBS)	2.3		1.9	0.19	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluoropentanesulfonic acid (PFPeS)	1.2 J		1.9	0.29	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorohexanesulfonic acid (PFHxS)	14		1.9	0.55	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluoroheptanesulfonic acid (PFHpS)	0.21 J		1.9	0.18	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorooctanesulfonic acid (PFOS)	20		1.9	0.52	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorododecanesulfonic acid (PFDoS)	<0.93		1.9	0.93	ng/L		05/03/22 05:03	05/04/22 18:42	1
Perfluorooctanesulfonamide (FOSA)	<0.94		1.9	0.94	ng/L		05/03/22 05:03	05/04/22 18:42	1
NEtFOSA	<0.83		1.9	0.83	ng/L		05/03/22 05:03	05/04/22 18:42	1
NMeFOSA	<0.41		1.9	0.41	ng/L		05/03/22 05:03	05/04/22 18:42	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		05/03/22 05:03	05/04/22 18:42	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		05/03/22 05:03	05/04/22 18:42	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/03/22 05:03	05/04/22 18:42	1
NEtFOSE	<0.82		1.9	0.82	ng/L		05/03/22 05:03	05/04/22 18:42	1
4:2 FTS	<0.23		1.9	0.23	ng/L		05/03/22 05:03	05/04/22 18:42	1
6:2 FTS	44		4.8	2.4	ng/L		05/03/22 05:03	05/04/22 18:42	1
8:2 FTS	3.3		1.9	0.44	ng/L		05/03/22 05:03	05/04/22 18:42	1
10:2 FTS	1.1 J		1.9	0.64	ng/L		05/03/22 05:03	05/04/22 18:42	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/03/22 05:03	05/04/22 18:42	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/03/22 05:03	05/04/22 18:42	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		05/03/22 05:03	05/04/22 18:42	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		05/03/22 05:03	05/04/22 18:42	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150				05/03/22 05:03	05/04/22 18:42	1
13C5 PFPeA	87		25 - 150				05/03/22 05:03	05/04/22 18:42	1
13C2 PFHxA	100		25 - 150				05/03/22 05:03	05/04/22 18:42	1
13C4 PFHpA	103		25 - 150				05/03/22 05:03	05/04/22 18:42	1
13C4 PFOA	100		25 - 150				05/03/22 05:03	05/04/22 18:42	1
13C5 PFNA	94		25 - 150				05/03/22 05:03	05/04/22 18:42	1
13C2 PFDA	100		25 - 150				05/03/22 05:03	05/04/22 18:42	1

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Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-49
Date Collected: 04/20/22 13:13
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-4
Matrix: Water

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFluA	108		25 - 150	05/03/22 05:03	05/04/22 18:42	1
13C2 PFluDoA	101		25 - 150	05/03/22 05:03	05/04/22 18:42	1
13C2 PFluTeDA	101		25 - 150	05/03/22 05:03	05/04/22 18:42	1
13C2 PFluHxDA	93		25 - 150	05/03/22 05:03	05/04/22 18:42	1
13C3 PFluBS	104		25 - 150	05/03/22 05:03	05/04/22 18:42	1
18O2 PFluXS	98		25 - 150	05/03/22 05:03	05/04/22 18:42	1
13C4 PFluOS	87		25 - 150	05/03/22 05:03	05/04/22 18:42	1
13C8 FOSA	85		10 - 150	05/03/22 05:03	05/04/22 18:42	1
d3-NMeFOSAA	100		25 - 150	05/03/22 05:03	05/04/22 18:42	1
d5-NEtFOSAA	110		25 - 150	05/03/22 05:03	05/04/22 18:42	1
d-N-MeFOSA-M	83		10 - 150	05/03/22 05:03	05/04/22 18:42	1
d-N-EtFOSA-M	77		10 - 150	05/03/22 05:03	05/04/22 18:42	1
d7-N-MeFOSE-M	73		10 - 150	05/03/22 05:03	05/04/22 18:42	1
d9-N-EtFOSE-M	79		10 - 150	05/03/22 05:03	05/04/22 18:42	1
M2-4:2 FTS	121		25 - 150	05/03/22 05:03	05/04/22 18:42	1
M2-6:2 FTS	105		25 - 150	05/03/22 05:03	05/04/22 18:42	1
M2-8:2 FTS	108		25 - 150	05/03/22 05:03	05/04/22 18:42	1
13C3 HFPO-DA	95		25 - 150	05/03/22 05:03	05/04/22 18:42	1
13C2 10:2 FTS	112		25 - 150	05/03/22 05:03	05/04/22 18:42	1

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluoropentanoic acid (PFPeA)	560		9.6	2.4	ng/L		05/03/22 05:03	05/05/22 19:08	5
Perfluorohexanoic acid (PFHxA)	460		9.6	2.8	ng/L		05/03/22 05:03	05/05/22 19:08	5

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	96		25 - 150	05/03/22 05:03	05/05/22 19:08	5
13C2 PFHxA	91		25 - 150	05/03/22 05:03	05/05/22 19:08	5

Client Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-50
Date Collected: 04/20/22 12:08
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-5
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	38		4.8	2.3	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluoropentanoic acid (PFPeA)	110		1.9	0.47	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorohexanoic acid (PFHxA)	75		1.9	0.56	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluoroheptanoic acid (PFHpA)	54		1.9	0.24	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorooctanoic acid (PFOA)	31		1.9	0.82	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorononanoic acid (PFNA)	7.3		1.9	0.26	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorodecanoic acid (PFDA)	1.8	J	1.9	0.30	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluoroundecanoic acid (PFUnA)	<1.1		1.9	1.1	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorododecanoic acid (PFDoA)	<0.53		1.9	0.53	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		1.9	1.3	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.86		1.9	0.86	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.91		1.9	0.91	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorobutanesulfonic acid (PFBS)	2.5		1.9	0.19	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluoropentanesulfonic acid (PFPeS)	1.6	J	1.9	0.29	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorohexanesulfonic acid (PFHxS)	21		1.9	0.55	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluoroheptanesulfonic acid (PFHpS)	0.64	J	1.9	0.18	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorooctanesulfonic acid (PFOS)	36		1.9	0.52	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorononanesulfonic acid (PFNS)	<0.36		1.9	0.36	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorodecanesulfonic acid (PFDS)	<0.31		1.9	0.31	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorododecanesulfonic acid (PFDoS)	<0.94		1.9	0.94	ng/L		05/03/22 05:03	05/04/22 18:53	1
Perfluorooctanesulfonamide (FOSA)	<0.95		1.9	0.95	ng/L		05/03/22 05:03	05/04/22 18:53	1
NEtFOSA	<0.84		1.9	0.84	ng/L		05/03/22 05:03	05/04/22 18:53	1
NMeFOSA	<0.42		1.9	0.42	ng/L		05/03/22 05:03	05/04/22 18:53	1
NMeFOSAA	<1.2		4.8	1.2	ng/L		05/03/22 05:03	05/04/22 18:53	1
NEtFOSAA	<1.3		4.8	1.3	ng/L		05/03/22 05:03	05/04/22 18:53	1
NMeFOSE	<1.4		3.9	1.4	ng/L		05/03/22 05:03	05/04/22 18:53	1
NEtFOSE	<0.82		1.9	0.82	ng/L		05/03/22 05:03	05/04/22 18:53	1
4:2 FTS	<0.23		1.9	0.23	ng/L		05/03/22 05:03	05/04/22 18:53	1
6:2 FTS	5.0		4.8	2.4	ng/L		05/03/22 05:03	05/04/22 18:53	1
8:2 FTS	2.1		1.9	0.44	ng/L		05/03/22 05:03	05/04/22 18:53	1
10:2 FTS	<0.65		1.9	0.65	ng/L		05/03/22 05:03	05/04/22 18:53	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.39		1.9	0.39	ng/L		05/03/22 05:03	05/04/22 18:53	1
HFPO-DA (GenX)	<1.4		3.9	1.4	ng/L		05/03/22 05:03	05/04/22 18:53	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		05/03/22 05:03	05/04/22 18:53	1
11Cl-PF3OUdS	<0.31		1.9	0.31	ng/L		05/03/22 05:03	05/04/22 18:53	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				05/03/22 05:03	05/04/22 18:53	1
13C5 PFPeA	97		25 - 150				05/03/22 05:03	05/04/22 18:53	1
13C2 PFHxA	106		25 - 150				05/03/22 05:03	05/04/22 18:53	1
13C4 PFHpA	106		25 - 150				05/03/22 05:03	05/04/22 18:53	1
13C4 PFOA	108		25 - 150				05/03/22 05:03	05/04/22 18:53	1

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Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-50
Date Collected: 04/20/22 12:08
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-5
Matrix: Water

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

<u>Isotope Dilution</u>	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>	<u>Prepared</u>	<u>Analyzed</u>	<u>Dil Fac</u>
13C5 PFNA	100		25 - 150	05/03/22 05:03	05/04/22 18:53	1
13C2 PFDA	108		25 - 150	05/03/22 05:03	05/04/22 18:53	1
13C2 PFUnA	105		25 - 150	05/03/22 05:03	05/04/22 18:53	1
13C2 PFDoA	104		25 - 150	05/03/22 05:03	05/04/22 18:53	1
13C2 PFTeDA	104		25 - 150	05/03/22 05:03	05/04/22 18:53	1
13C2 PFHxDA	110		25 - 150	05/03/22 05:03	05/04/22 18:53	1
13C3 PFBS	113		25 - 150	05/03/22 05:03	05/04/22 18:53	1
18O2 PFHxS	111		25 - 150	05/03/22 05:03	05/04/22 18:53	1
13C4 PFOS	94		25 - 150	05/03/22 05:03	05/04/22 18:53	1
13C8 FOSA	88		10 - 150	05/03/22 05:03	05/04/22 18:53	1
d3-NMeFOSAA	105		25 - 150	05/03/22 05:03	05/04/22 18:53	1
d5-NEtFOSAA	110		25 - 150	05/03/22 05:03	05/04/22 18:53	1
d-N-MeFOSA-M	86		10 - 150	05/03/22 05:03	05/04/22 18:53	1
d-N-EtFOSA-M	83		10 - 150	05/03/22 05:03	05/04/22 18:53	1
d7-N-MeFOSE-M	87		10 - 150	05/03/22 05:03	05/04/22 18:53	1
d9-N-EtFOSE-M	85		10 - 150	05/03/22 05:03	05/04/22 18:53	1
M2-4:2 FTS	134		25 - 150	05/03/22 05:03	05/04/22 18:53	1
M2-6:2 FTS	121		25 - 150	05/03/22 05:03	05/04/22 18:53	1
M2-8:2 FTS	118		25 - 150	05/03/22 05:03	05/04/22 18:53	1
13C3 HFPO-DA	98		25 - 150	05/03/22 05:03	05/04/22 18:53	1
13C2 10:2 FTS	125		25 - 150	05/03/22 05:03	05/04/22 18:53	1

Client Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: DUP 1

Lab Sample ID: 500-215473-6

Date Collected: 04/20/22 13:13

Matrix: Water

Date Received: 04/22/22 09:06

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	140		4.6	2.2	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluoroheptanoic acid (PFHpA)	310		1.9	0.23	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorooctanoic acid (PFOA)	110		1.9	0.79	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorononanoic acid (PFNA)	20		1.9	0.25	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorodecanoic acid (PFDA)	7.7		1.9	0.29	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.9	0.51	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.9	1.2	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorotetradecanoic acid (PFTeA)	<0.68		1.9	0.68	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.83		1.9	0.83	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.87		1.9	0.87	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorobutanesulfonic acid (PFBS)	2.7		1.9	0.19	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluoropentanesulfonic acid (PFPeS)	1.1 J		1.9	0.28	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorohexanesulfonic acid (PFHxS)	14		1.9	0.53	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorooctanesulfonic acid (PFOS)	19		1.9	0.50	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.9	0.34	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorododecanesulfonic acid (PFDoS)	<0.90		1.9	0.90	ng/L		05/03/22 05:03	05/04/22 19:03	1
Perfluorooctanesulfonamide (FOSA)	<0.91		1.9	0.91	ng/L		05/03/22 05:03	05/04/22 19:03	1
NEtFOSA	<0.81		1.9	0.81	ng/L		05/03/22 05:03	05/04/22 19:03	1
NMeFOSA	<0.40		1.9	0.40	ng/L		05/03/22 05:03	05/04/22 19:03	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		05/03/22 05:03	05/04/22 19:03	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		05/03/22 05:03	05/04/22 19:03	1
NMeFOSE	<1.3		3.7	1.3	ng/L		05/03/22 05:03	05/04/22 19:03	1
NEtFOSE	<0.79		1.9	0.79	ng/L		05/03/22 05:03	05/04/22 19:03	1
4:2 FTS	<0.22		1.9	0.22	ng/L		05/03/22 05:03	05/04/22 19:03	1
6:2 FTS	42		4.6	2.3	ng/L		05/03/22 05:03	05/04/22 19:03	1
8:2 FTS	3.3		1.9	0.43	ng/L		05/03/22 05:03	05/04/22 19:03	1
10:2 FTS	0.99 J		1.9	0.62	ng/L		05/03/22 05:03	05/04/22 19:03	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.9	0.37	ng/L		05/03/22 05:03	05/04/22 19:03	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		05/03/22 05:03	05/04/22 19:03	1
9Cl-PF3ONS	<0.22		1.9	0.22	ng/L		05/03/22 05:03	05/04/22 19:03	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		05/03/22 05:03	05/04/22 19:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C5 PFPeA	86		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C2 PFHxA	104		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C4 PFHpA	103		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C4 PFOA	96		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C5 PFNA	97		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C2 PFDA	101		25 - 150	05/03/22 05:03	05/04/22 19:03	1

Eurofins Chicago

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: DUP 1
Date Collected: 04/20/22 13:13
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-6
Matrix: Water

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFluA	104		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C2 PFlDoA	93		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C2 PFlTeDA	102		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C2 PFlHxDA	100		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C3 PFlBS	103		25 - 150	05/03/22 05:03	05/04/22 19:03	1
18O2 PFlHxS	106		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C4 PFlOS	94		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C8 FOSA	93		10 - 150	05/03/22 05:03	05/04/22 19:03	1
d3-NMeFOSAA	95		25 - 150	05/03/22 05:03	05/04/22 19:03	1
d5-NEtFOSAA	103		25 - 150	05/03/22 05:03	05/04/22 19:03	1
d-N-MeFOSA-M	89		10 - 150	05/03/22 05:03	05/04/22 19:03	1
d-N-EtFOSA-M	82		10 - 150	05/03/22 05:03	05/04/22 19:03	1
d7-N-MeFOSE-M	73		10 - 150	05/03/22 05:03	05/04/22 19:03	1
d9-N-EtFOSE-M	79		10 - 150	05/03/22 05:03	05/04/22 19:03	1
M2-4:2 FTS	122		25 - 150	05/03/22 05:03	05/04/22 19:03	1
M2-6:2 FTS	113		25 - 150	05/03/22 05:03	05/04/22 19:03	1
M2-8:2 FTS	108		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C3 HFPO-DA	101		25 - 150	05/03/22 05:03	05/04/22 19:03	1
13C2 10:2 FTS	108		25 - 150	05/03/22 05:03	05/04/22 19:03	1

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

<i>Analyte</i>	<i>Result</i>	<i>Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluoropentanoic acid (PFPeA)	610		9.3	2.3	ng/L		05/03/22 05:03	05/05/22 19:19	5
Perfluorohexanoic acid (PFHxA)	440		9.3	2.7	ng/L		05/03/22 05:03	05/05/22 19:19	5

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C5 PFPeA	89		25 - 150	05/03/22 05:03	05/05/22 19:19	5
13C2 PFHxA	103		25 - 150	05/03/22 05:03	05/05/22 19:19	5

Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: FB-1

Lab Sample ID: 500-215473-7

Date Collected: 04/20/22 13:25

Matrix: Water

Date Received: 04/22/22 09:06

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.3		4.8	2.3	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluoropentanoic acid (PFPeA)	<0.47		1.9	0.47	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorohexanoic acid (PFHxA)	<0.55		1.9	0.55	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluoroheptanoic acid (PFHpA)	<0.24		1.9	0.24	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorooctanoic acid (PFOA)	<0.81		1.9	0.81	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorononanoic acid (PFNA)	<0.26		1.9	0.26	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorodecanoic acid (PFDA)	<0.30		1.9	0.30	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.9	1.0	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorododecanoic acid (PFDoA)	<0.52		1.9	0.52	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorotridecanoic acid (PFTTrDA)	<1.2		1.9	1.2	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorotetradecanoic acid (PFTeA)	<0.70		1.9	0.70	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.85		1.9	0.85	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.90		1.9	0.90	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorobutanesulfonic acid (PFBS)	<0.19		1.9	0.19	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluoropentanesulfonic acid (PFPeS)	<0.29		1.9	0.29	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorohexanesulfonic acid (PFHxS)	<0.54		1.9	0.54	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.9	0.18	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorooctanesulfonic acid (PFOS)	<0.51		1.9	0.51	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorononanesulfonic acid (PFNS)	<0.35		1.9	0.35	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorodecanesulfonic acid (PFDS)	<0.30		1.9	0.30	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorododecanesulfonic acid (PFDoS)	<0.92		1.9	0.92	ng/L		05/03/22 05:03	05/04/22 19:13	1
Perfluorooctanesulfonamide (FOSA)	<0.93		1.9	0.93	ng/L		05/03/22 05:03	05/04/22 19:13	1
NEtFOSA	<0.83		1.9	0.83	ng/L		05/03/22 05:03	05/04/22 19:13	1
NMeFOSA	<0.41		1.9	0.41	ng/L		05/03/22 05:03	05/04/22 19:13	1
NMeFOSAA	<1.1		4.8	1.1	ng/L		05/03/22 05:03	05/04/22 19:13	1
NEtFOSAA	<1.2		4.8	1.2	ng/L		05/03/22 05:03	05/04/22 19:13	1
NMeFOSE	<1.3		3.8	1.3	ng/L		05/03/22 05:03	05/04/22 19:13	1
NEtFOSE	<0.81		1.9	0.81	ng/L		05/03/22 05:03	05/04/22 19:13	1
4:2 FTS	<0.23		1.9	0.23	ng/L		05/03/22 05:03	05/04/22 19:13	1
6:2 FTS	<2.4		4.8	2.4	ng/L		05/03/22 05:03	05/04/22 19:13	1
8:2 FTS	<0.44		1.9	0.44	ng/L		05/03/22 05:03	05/04/22 19:13	1
10:2 FTS	<0.64		1.9	0.64	ng/L		05/03/22 05:03	05/04/22 19:13	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.38		1.9	0.38	ng/L		05/03/22 05:03	05/04/22 19:13	1
HFPO-DA (GenX)	<1.4		3.8	1.4	ng/L		05/03/22 05:03	05/04/22 19:13	1
9Cl-PF3ONS	<0.23		1.9	0.23	ng/L		05/03/22 05:03	05/04/22 19:13	1
11Cl-PF3OUdS	<0.30		1.9	0.30	ng/L		05/03/22 05:03	05/04/22 19:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	113		25 - 150				05/03/22 05:03	05/04/22 19:13	1
13C5 PFPeA	106		25 - 150				05/03/22 05:03	05/04/22 19:13	1
13C2 PFHxA	107		25 - 150				05/03/22 05:03	05/04/22 19:13	1
13C4 PFHpA	101		25 - 150				05/03/22 05:03	05/04/22 19:13	1
13C4 PFOA	99		25 - 150				05/03/22 05:03	05/04/22 19:13	1
13C5 PFNA	105		25 - 150				05/03/22 05:03	05/04/22 19:13	1
13C2 PFDA	98		25 - 150				05/03/22 05:03	05/04/22 19:13	1
13C2 PFUnA	103		25 - 150				05/03/22 05:03	05/04/22 19:13	1

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Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: FB-1

Lab Sample ID: 500-215473-7

Date Collected: 04/20/22 13:25

Matrix: Water

Date Received: 04/22/22 09:06

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDoA	103		25 - 150	05/03/22 05:03	05/04/22 19:13	1
13C2 PFTeDA	101		25 - 150	05/03/22 05:03	05/04/22 19:13	1
13C2 PFHxDA	98		25 - 150	05/03/22 05:03	05/04/22 19:13	1
13C3 PFBS	109		25 - 150	05/03/22 05:03	05/04/22 19:13	1
18O2 PFHxS	105		25 - 150	05/03/22 05:03	05/04/22 19:13	1
13C4 PFOS	97		25 - 150	05/03/22 05:03	05/04/22 19:13	1
13C8 FOSA	88		10 - 150	05/03/22 05:03	05/04/22 19:13	1
d3-NMeFOSAA	108		25 - 150	05/03/22 05:03	05/04/22 19:13	1
d5-NEtFOSAA	111		25 - 150	05/03/22 05:03	05/04/22 19:13	1
d-N-MeFOSA-M	81		10 - 150	05/03/22 05:03	05/04/22 19:13	1
d-N-EtFOSA-M	76		10 - 150	05/03/22 05:03	05/04/22 19:13	1
d7-N-MeFOSE-M	78		10 - 150	05/03/22 05:03	05/04/22 19:13	1
d9-N-EtFOSE-M	81		10 - 150	05/03/22 05:03	05/04/22 19:13	1
M2-4:2 FTS	125		25 - 150	05/03/22 05:03	05/04/22 19:13	1
M2-6:2 FTS	118		25 - 150	05/03/22 05:03	05/04/22 19:13	1
M2-8:2 FTS	111		25 - 150	05/03/22 05:03	05/04/22 19:13	1
13C3 HFPO-DA	110		25 - 150	05/03/22 05:03	05/04/22 19:13	1
13C2 10:2 FTS	118		25 - 150	05/03/22 05:03	05/04/22 19:13	1

Client Sample Results

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: EB-1

Lab Sample ID: 500-215473-9

Date Collected: 04/20/22 13:22

Matrix: Water

Date Received: 04/22/22 09:06

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	<2.2		4.6	2.2	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluoropentanoic acid (PFPeA)	<0.45		1.8	0.45	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorohexanoic acid (PFHxA)	<0.53		1.8	0.53	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluoroheptanoic acid (PFHpA)	<0.23		1.8	0.23	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorooctanoic acid (PFOA)	<0.78		1.8	0.78	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorononanoic acid (PFNA)	<0.25		1.8	0.25	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorodecanoic acid (PFDA)	<0.29		1.8	0.29	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluoroundecanoic acid (PFUnA)	<1.0		1.8	1.0	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorododecanoic acid (PFDoA)	<0.51		1.8	0.51	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorotridecanoic acid (PFTrDA)	<1.2		1.8	1.2	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorotetradecanoic acid (PFTeA)	<0.67		1.8	0.67	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.82		1.8	0.82	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.87		1.8	0.87	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorobutanesulfonic acid (PFBS)	<0.18		1.8	0.18	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluoropentanesulfonic acid (PFPeS)	<0.28		1.8	0.28	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorohexanesulfonic acid (PFHxS)	<0.53		1.8	0.53	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.18		1.8	0.18	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorooctanesulfonic acid (PFOS)	<0.50		1.8	0.50	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorononanesulfonic acid (PFNS)	<0.34		1.8	0.34	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorodecanesulfonic acid (PFDS)	<0.29		1.8	0.29	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorododecanesulfonic acid (PFDoS)	<0.89		1.8	0.89	ng/L		05/03/22 05:03	05/04/22 19:55	1
Perfluorooctanesulfonamide (FOSA)	<0.90		1.8	0.90	ng/L		05/03/22 05:03	05/04/22 19:55	1
NEtFOSA	<0.80		1.8	0.80	ng/L		05/03/22 05:03	05/04/22 19:55	1
NMeFOSA	<0.40		1.8	0.40	ng/L		05/03/22 05:03	05/04/22 19:55	1
NMeFOSAA	<1.1		4.6	1.1	ng/L		05/03/22 05:03	05/04/22 19:55	1
NEtFOSAA	<1.2		4.6	1.2	ng/L		05/03/22 05:03	05/04/22 19:55	1
NMeFOSE	<1.3		3.7	1.3	ng/L		05/03/22 05:03	05/04/22 19:55	1
NEtFOSE	<0.78		1.8	0.78	ng/L		05/03/22 05:03	05/04/22 19:55	1
4:2 FTS	<0.22		1.8	0.22	ng/L		05/03/22 05:03	05/04/22 19:55	1
6:2 FTS	<2.3		4.6	2.3	ng/L		05/03/22 05:03	05/04/22 19:55	1
8:2 FTS	<0.42		1.8	0.42	ng/L		05/03/22 05:03	05/04/22 19:55	1
10:2 FTS	<0.62		1.8	0.62	ng/L		05/03/22 05:03	05/04/22 19:55	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.37		1.8	0.37	ng/L		05/03/22 05:03	05/04/22 19:55	1
HFPO-DA (GenX)	<1.4		3.7	1.4	ng/L		05/03/22 05:03	05/04/22 19:55	1
9Cl-PF3ONS	<0.22		1.8	0.22	ng/L		05/03/22 05:03	05/04/22 19:55	1
11Cl-PF3OUdS	<0.29		1.8	0.29	ng/L		05/03/22 05:03	05/04/22 19:55	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150				05/03/22 05:03	05/04/22 19:55	1
13C5 PFPeA	106		25 - 150				05/03/22 05:03	05/04/22 19:55	1
13C2 PFHxA	105		25 - 150				05/03/22 05:03	05/04/22 19:55	1
13C4 PFHpA	98		25 - 150				05/03/22 05:03	05/04/22 19:55	1
13C4 PFOA	103		25 - 150				05/03/22 05:03	05/04/22 19:55	1
13C5 PFNA	104		25 - 150				05/03/22 05:03	05/04/22 19:55	1
13C2 PFDA	106		25 - 150				05/03/22 05:03	05/04/22 19:55	1
13C2 PFUnA	109		25 - 150				05/03/22 05:03	05/04/22 19:55	1

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Client Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: EB-1

Lab Sample ID: 500-215473-9

Date Collected: 04/20/22 13:22

Matrix: Water

Date Received: 04/22/22 09:06

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

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C2 PFDoA	101		25 - 150	05/03/22 05:03	05/04/22 19:55	1
13C2 PFTeDA	110		25 - 150	05/03/22 05:03	05/04/22 19:55	1
13C2 PFHxDA	98		25 - 150	05/03/22 05:03	05/04/22 19:55	1
13C3 PFBS	116		25 - 150	05/03/22 05:03	05/04/22 19:55	1
18O2 PFHxS	107		25 - 150	05/03/22 05:03	05/04/22 19:55	1
13C4 PFOS	98		25 - 150	05/03/22 05:03	05/04/22 19:55	1
13C8 FOSA	87		10 - 150	05/03/22 05:03	05/04/22 19:55	1
d3-NMeFOSAA	113		25 - 150	05/03/22 05:03	05/04/22 19:55	1
d5-NEtFOSAA	124		25 - 150	05/03/22 05:03	05/04/22 19:55	1
d-N-MeFOSA-M	86		10 - 150	05/03/22 05:03	05/04/22 19:55	1
d-N-EtFOSA-M	82		10 - 150	05/03/22 05:03	05/04/22 19:55	1
d7-N-MeFOSE-M	85		10 - 150	05/03/22 05:03	05/04/22 19:55	1
d9-N-EtFOSE-M	84		10 - 150	05/03/22 05:03	05/04/22 19:55	1
M2-4:2 FTS	117		25 - 150	05/03/22 05:03	05/04/22 19:55	1
M2-6:2 FTS	122		25 - 150	05/03/22 05:03	05/04/22 19:55	1
M2-8:2 FTS	112		25 - 150	05/03/22 05:03	05/04/22 19:55	1
13C3 HFPO-DA	106		25 - 150	05/03/22 05:03	05/04/22 19:55	1
13C2 10:2 FTS	114		25 - 150	05/03/22 05:03	05/04/22 19:55	1

Definitions/Glossary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Qualifiers

LCMS

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

QC Association Summary

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

LCMS

Prep Batch: 584757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215473-1	W-08r	Total/NA	Water	3535	
500-215473-2	W-44	Total/NA	Water	3535	
500-215473-3 - DL	W-45	Total/NA	Water	3535	
500-215473-3	W-45	Total/NA	Water	3535	
500-215473-4 - DL	W-49	Total/NA	Water	3535	
500-215473-4	W-49	Total/NA	Water	3535	
500-215473-5	W-50	Total/NA	Water	3535	
500-215473-6 - DL	DUP 1	Total/NA	Water	3535	
500-215473-6	DUP 1	Total/NA	Water	3535	
500-215473-7	FB-1	Total/NA	Water	3535	
500-215473-9	EB-1	Total/NA	Water	3535	
MB 320-584757/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-584757/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-584757/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 585222

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215473-1	W-08r	Total/NA	Water	537 (modified)	584757
500-215473-2	W-44	Total/NA	Water	537 (modified)	584757
500-215473-3	W-45	Total/NA	Water	537 (modified)	584757
500-215473-4	W-49	Total/NA	Water	537 (modified)	584757
500-215473-5	W-50	Total/NA	Water	537 (modified)	584757
500-215473-6	DUP 1	Total/NA	Water	537 (modified)	584757
500-215473-7	FB-1	Total/NA	Water	537 (modified)	584757
500-215473-9	EB-1	Total/NA	Water	537 (modified)	584757
MB 320-584757/1-A	Method Blank	Total/NA	Water	537 (modified)	584757

Analysis Batch: 585445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
500-215473-3 - DL	W-45	Total/NA	Water	537 (modified)	584757
500-215473-4 - DL	W-49	Total/NA	Water	537 (modified)	584757
500-215473-6 - DL	DUP 1	Total/NA	Water	537 (modified)	584757
LCS 320-584757/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	584757
LCSD 320-584757/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	584757

QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-584757/1-A
Matrix: Water
Analysis Batch: 585222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584757

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	<2.4		5.0	2.4	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluoropentanoic acid (PFPeA)	<0.49		2.0	0.49	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorohexanoic acid (PFHxA)	<0.58		2.0	0.58	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluoroheptanoic acid (PFHpA)	<0.25		2.0	0.25	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorooctanoic acid (PFOA)	<0.85		2.0	0.85	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorononanoic acid (PFNA)	<0.27		2.0	0.27	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorodecanoic acid (PFDA)	<0.31		2.0	0.31	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluoroundecanoic acid (PFUnA)	<1.1		2.0	1.1	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorododecanoic acid (PFDoA)	<0.55		2.0	0.55	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorotridecanoic acid (PFTrDA)	<1.3		2.0	1.3	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorotetradecanoic acid (PFTeA)	<0.73		2.0	0.73	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluoro-n-hexadecanoic acid (PFHxDA)	<0.89		2.0	0.89	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluoro-n-octadecanoic acid (PFODA)	<0.94		2.0	0.94	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorobutanesulfonic acid (PFBS)	<0.20		2.0	0.20	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluoropentanesulfonic acid (PFPeS)	<0.30		2.0	0.30	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorohexanesulfonic acid (PFHxS)	<0.57		2.0	0.57	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluoroheptanesulfonic acid (PFHpS)	<0.19		2.0	0.19	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorooctanesulfonic acid (PFOS)	<0.54		2.0	0.54	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorononanesulfonic acid (PFNS)	<0.37		2.0	0.37	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorodecanesulfonic acid (PFDS)	<0.32		2.0	0.32	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorododecanesulfonic acid (PFDoS)	<0.97		2.0	0.97	ng/L		05/03/22 05:03	05/04/22 17:40	1
Perfluorooctanesulfonamide (FOSA)	<0.98		2.0	0.98	ng/L		05/03/22 05:03	05/04/22 17:40	1
NEtFOSA	<0.87		2.0	0.87	ng/L		05/03/22 05:03	05/04/22 17:40	1
NMeFOSA	<0.43		2.0	0.43	ng/L		05/03/22 05:03	05/04/22 17:40	1
NMeFOSAA	<1.2		5.0	1.2	ng/L		05/03/22 05:03	05/04/22 17:40	1
NEtFOSAA	<1.3		5.0	1.3	ng/L		05/03/22 05:03	05/04/22 17:40	1
NMeFOSE	<1.4		4.0	1.4	ng/L		05/03/22 05:03	05/04/22 17:40	1
NEtFOSE	<0.85		2.0	0.85	ng/L		05/03/22 05:03	05/04/22 17:40	1
4:2 FTS	<0.24		2.0	0.24	ng/L		05/03/22 05:03	05/04/22 17:40	1
6:2 FTS	<2.5		5.0	2.5	ng/L		05/03/22 05:03	05/04/22 17:40	1
8:2 FTS	<0.46		2.0	0.46	ng/L		05/03/22 05:03	05/04/22 17:40	1
10:2 FTS	<0.67		2.0	0.67	ng/L		05/03/22 05:03	05/04/22 17:40	1
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	<0.40		2.0	0.40	ng/L		05/03/22 05:03	05/04/22 17:40	1
HFPO-DA (GenX)	<1.5		4.0	1.5	ng/L		05/03/22 05:03	05/04/22 17:40	1
9Cl-PF3ONS	<0.24		2.0	0.24	ng/L		05/03/22 05:03	05/04/22 17:40	1
11Cl-PF3OUdS	<0.32		2.0	0.32	ng/L		05/03/22 05:03	05/04/22 17:40	1
Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac			
	%Recovery	Qualifier							
13C4 PFBA	108		25 - 150	05/03/22 05:03	05/04/22 17:40	1			
13C5 PFPeA	104		25 - 150	05/03/22 05:03	05/04/22 17:40	1			
13C2 PFHxA	105		25 - 150	05/03/22 05:03	05/04/22 17:40	1			
13C4 PFHpA	95		25 - 150	05/03/22 05:03	05/04/22 17:40	1			
13C4 PFOA	97		25 - 150	05/03/22 05:03	05/04/22 17:40	1			
13C5 PFNA	99		25 - 150	05/03/22 05:03	05/04/22 17:40	1			

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QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

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

Lab Sample ID: MB 320-584757/1-A
Matrix: Water
Analysis Batch: 585222

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 584757

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFDA	105		25 - 150	05/03/22 05:03	05/04/22 17:40	1
13C2 PFUnA	104		25 - 150	05/03/22 05:03	05/04/22 17:40	1
13C2 PFDoA	119		25 - 150	05/03/22 05:03	05/04/22 17:40	1
13C2 PFTeDA	108		25 - 150	05/03/22 05:03	05/04/22 17:40	1
13C2 PFHxDA	94		25 - 150	05/03/22 05:03	05/04/22 17:40	1
13C3 PFBS	102		25 - 150	05/03/22 05:03	05/04/22 17:40	1
18O2 PFHxS	110		25 - 150	05/03/22 05:03	05/04/22 17:40	1
13C4 PFOS	92		25 - 150	05/03/22 05:03	05/04/22 17:40	1
13C8 FOSA	92		10 - 150	05/03/22 05:03	05/04/22 17:40	1
d3-NMeFOSAA	108		25 - 150	05/03/22 05:03	05/04/22 17:40	1
d5-NEtFOSAA	118		25 - 150	05/03/22 05:03	05/04/22 17:40	1
d-N-MeFOSA-M	85		10 - 150	05/03/22 05:03	05/04/22 17:40	1
d-N-EtFOSA-M	80		10 - 150	05/03/22 05:03	05/04/22 17:40	1
d7-N-MeFOSE-M	79		10 - 150	05/03/22 05:03	05/04/22 17:40	1
d9-N-EtFOSE-M	88		10 - 150	05/03/22 05:03	05/04/22 17:40	1
M2-4:2 FTS	103		25 - 150	05/03/22 05:03	05/04/22 17:40	1
M2-6:2 FTS	108		25 - 150	05/03/22 05:03	05/04/22 17:40	1
M2-8:2 FTS	113		25 - 150	05/03/22 05:03	05/04/22 17:40	1
13C3 HFPO-DA	90		25 - 150	05/03/22 05:03	05/04/22 17:40	1
13C2 10:2 FTS	124		25 - 150	05/03/22 05:03	05/04/22 17:40	1

Lab Sample ID: LCS 320-584757/2-A
Matrix: Water
Analysis Batch: 585445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec	Limits
Perfluoropentanoic acid (PFPeA)	40.0	42.7		ng/L		107	60 - 135	
Perfluorohexanoic acid (PFHxA)	40.0	43.0		ng/L		107	60 - 135	
Perfluoroheptanoic acid (PFHpA)	40.0	43.5		ng/L		109	60 - 135	
Perfluorooctanoic acid (PFOA)	40.0	42.9		ng/L		107	60 - 135	
Perfluorononanoic acid (PFNA)	40.0	43.9		ng/L		110	60 - 135	
Perfluorodecanoic acid (PFDA)	40.0	43.7		ng/L		109	60 - 135	
Perfluoroundecanoic acid (PFUnA)	40.0	41.5		ng/L		104	60 - 135	
Perfluorododecanoic acid (PFDoA)	40.0	43.9		ng/L		110	60 - 135	
Perfluorotridecanoic acid (PFTTrDA)	40.0	50.3		ng/L		126	60 - 135	
Perfluorotetradecanoic acid (PFTeA)	40.0	42.9		ng/L		107	60 - 135	
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	45.6		ng/L		114	60 - 135	
Perfluoro-n-octadecanoic acid (PFODA)	40.0	39.0		ng/L		98	60 - 135	
Perfluorobutanesulfonic acid (PFBS)	35.4	39.0		ng/L		110	60 - 135	
Perfluoropentanesulfonic acid (PFPeS)	37.5	42.5		ng/L		113	60 - 135	
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.3		ng/L		97	60 - 135	

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QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

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

Lab Sample ID: LCS 320-584757/2-A
Matrix: Water
Analysis Batch: 585445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584757

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Perfluoroheptanesulfonic acid (PFHpS)	38.1	43.7		ng/L		115	60 - 135
Perfluorooctanesulfonic acid (PFOS)	37.1	44.4		ng/L		120	60 - 135
Perfluorononanesulfonic acid (PFNS)	38.4	45.1		ng/L		117	60 - 135
Perfluorodecanesulfonic acid (PFDS)	38.6	47.2		ng/L		122	60 - 135
Perfluorododecanesulfonic acid (PFDoS)	38.7	44.4		ng/L		115	60 - 135
Perfluorooctanesulfonamide (FOSA)	40.0	48.4		ng/L		121	60 - 135
NEtFOSA	40.0	46.0		ng/L		115	60 - 135
NMeFOSA	40.0	44.9		ng/L		112	60 - 135
NMeFOSAA	40.0	44.4		ng/L		111	60 - 135
NEtFOSAA	40.0	41.7		ng/L		104	60 - 135
NMeFOSE	40.0	51.2		ng/L		128	60 - 135
NEtFOSE	40.0	45.3		ng/L		113	60 - 135
4:2 FTS	37.4	40.7		ng/L		109	60 - 135
6:2 FTS	37.9	40.5		ng/L		107	60 - 135
8:2 FTS	38.3	46.8		ng/L		122	60 - 135
10:2 FTS	38.6	43.1		ng/L		112	60 - 135
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	44.0		ng/L		117	60 - 135
HFPO-DA (GenX)	40.0	42.9		ng/L		107	60 - 135
9CI-PF3ONS	37.3	42.0		ng/L		113	60 - 135
11CI-PF3OUdS	37.7	47.8		ng/L		127	60 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	LCS Limits
13C4 PFBA	101		25 - 150
13C5 PFPeA	98		25 - 150
13C2 PFHxA	100		25 - 150
13C4 PFHpA	104		25 - 150
13C4 PFOA	99		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	101		25 - 150
13C2 PFUnA	109		25 - 150
13C2 PFDoA	106		25 - 150
13C2 PFTeDA	109		25 - 150
13C2 PFHxDA	98		25 - 150
13C3 PFBS	105		25 - 150
18O2 PFHxS	104		25 - 150
13C4 PFOS	96		25 - 150
13C8 FOSA	83		10 - 150
d3-NMeFOSAA	107		25 - 150
d5-NEtFOSAA	117		25 - 150
d-N-MeFOSA-M	83		10 - 150
d-N-EtFOSA-M	80		10 - 150
d7-N-MeFOSE-M	80		10 - 150
d9-N-EtFOSE-M	79		10 - 150

QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

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

Lab Sample ID: LCS 320-584757/2-A
Matrix: Water
Analysis Batch: 585445

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 584757

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
M2-4:2 FTS	99		25 - 150
M2-6:2 FTS	107		25 - 150
M2-8:2 FTS	91		25 - 150
13C3 HFPO-DA	100		25 - 150
13C2 10:2 FTS	113		25 - 150

Lab Sample ID: LCSD 320-584757/3-A
Matrix: Water
Analysis Batch: 585445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584757

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	43.9		ng/L		110	60 - 135	3	30
Perfluoropentanoic acid (PFPeA)	40.0	44.4		ng/L		111	60 - 135	4	30
Perfluorohexanoic acid (PFHxA)	40.0	45.2		ng/L		113	60 - 135	5	30
Perfluoroheptanoic acid (PFHpA)	40.0	41.1		ng/L		103	60 - 135	6	30
Perfluorooctanoic acid (PFOA)	40.0	42.0		ng/L		105	60 - 135	2	30
Perfluorononanoic acid (PFNA)	40.0	42.8		ng/L		107	60 - 135	3	30
Perfluorodecanoic acid (PFDA)	40.0	40.7		ng/L		102	60 - 135	7	30
Perfluoroundecanoic acid (PFUnA)	40.0	43.6		ng/L		109	60 - 135	5	30
Perfluorododecanoic acid (PFDoA)	40.0	40.7		ng/L		102	60 - 135	7	30
Perfluorotridecanoic acid (PFTrDA)	40.0	50.6		ng/L		126	60 - 135	1	30
Perfluorotetradecanoic acid (PFTeA)	40.0	39.3		ng/L		98	60 - 135	9	30
Perfluoro-n-hexadecanoic acid (PFHxDA)	40.0	42.1		ng/L		105	60 - 135	8	30
Perfluoro-n-octadecanoic acid (PFODA)	40.0	44.0		ng/L		110	60 - 135	12	30
Perfluorobutanesulfonic acid (PFBS)	35.4	37.3		ng/L		105	60 - 135	4	30
Perfluoropentanesulfonic acid (PFPeS)	37.5	40.9		ng/L		109	60 - 135	4	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.1		ng/L		94	60 - 135	4	30
Perfluoroheptanesulfonic acid (PFHpS)	38.1	40.5		ng/L		106	60 - 135	7	30
Perfluorooctanesulfonic acid (PFOS)	37.1	40.0		ng/L		108	60 - 135	10	30
Perfluorononanesulfonic acid (PFNS)	38.4	40.9		ng/L		106	60 - 135	10	30
Perfluorodecanesulfonic acid (PFDS)	38.6	41.2		ng/L		107	60 - 135	14	30
Perfluorododecanesulfonic acid (PFDoS)	38.7	41.0		ng/L		106	60 - 135	8	30
Perfluorooctanesulfonamide (FOSA)	40.0	45.0		ng/L		112	60 - 135	7	30
NEtFOSA	40.0	44.5		ng/L		111	60 - 135	3	30
NMeFOSA	40.0	45.5		ng/L		114	60 - 135	1	30
NMeFOSAA	40.0	44.3		ng/L		111	60 - 135	0	30
NEtFOSAA	40.0	42.8		ng/L		107	60 - 135	3	30
NMeFOSE	40.0	47.1		ng/L		118	60 - 135	8	30

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QC Sample Results

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

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

Lab Sample ID: LCSD 320-584757/3-A
Matrix: Water
Analysis Batch: 585445

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 584757

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
NEtFOSE	40.0	43.0		ng/L		108	60 - 135	5	30
4:2 FTS	37.4	38.1		ng/L		102	60 - 135	7	30
6:2 FTS	37.9	44.6		ng/L		118	60 - 135	10	30
8:2 FTS	38.3	44.1		ng/L		115	60 - 135	6	30
10:2 FTS	38.6	41.8		ng/L		108	60 - 135	3	30
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	37.7	40.6		ng/L		108	60 - 135	8	30
HFPO-DA (GenX)	40.0	47.7		ng/L		119	60 - 135	11	30
9Cl-PF3ONS	37.3	36.9		ng/L		99	60 - 135	13	30
11Cl-PF3OUdS	37.7	45.8		ng/L		122	60 - 135	4	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	102		25 - 150
13C5 PFPeA	93		25 - 150
13C2 PFHxA	95		25 - 150
13C4 PFHpA	102		25 - 150
13C4 PFOA	99		25 - 150
13C5 PFNA	103		25 - 150
13C2 PFDA	104		25 - 150
13C2 PFUnA	106		25 - 150
13C2 PFDoA	109		25 - 150
13C2 PFTeDA	112		25 - 150
13C2 PFHxDA	103		25 - 150
13C3 PFBS	104		25 - 150
18O2 PFHxS	105		25 - 150
13C4 PFOS	101		25 - 150
13C8 FOSA	88		10 - 150
d3-NMeFOSAA	105		25 - 150
d5-NEtFOSAA	112		25 - 150
d-N-MeFOSA-M	82		10 - 150
d-N-EtFOSA-M	81		10 - 150
d7-N-MeFOSE-M	81		10 - 150
d9-N-EtFOSE-M	81		10 - 150
M2-4:2 FTS	102		25 - 150
M2-6:2 FTS	103		25 - 150
M2-8:2 FTS	104		25 - 150
13C3 HFPO-DA	96		25 - 150
13C2 10:2 FTS	109		25 - 150

Lab Chronicle

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: W-08r
Date Collected: 04/20/22 13:44
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	585222	05/04/22 18:11	RS1	TAL SAC

Client Sample ID: W-44
Date Collected: 04/20/22 10:50
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	585222	05/04/22 18:21	RS1	TAL SAC

Client Sample ID: W-45
Date Collected: 04/20/22 11:43
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	585222	05/04/22 18:32	RS1	TAL SAC
Total/NA	Prep	3535	DL		584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5	585445	05/05/22 18:58	S1M	TAL SAC

Client Sample ID: W-49
Date Collected: 04/20/22 13:13
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	585222	05/04/22 18:42	RS1	TAL SAC
Total/NA	Prep	3535	DL		584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5	585445	05/05/22 19:08	S1M	TAL SAC

Client Sample ID: W-50
Date Collected: 04/20/22 12:08
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	585222	05/04/22 18:53	RS1	TAL SAC

Client Sample ID: DUP 1
Date Collected: 04/20/22 13:13
Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	585222	05/04/22 19:03	RS1	TAL SAC

Lab Chronicle

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Client Sample ID: DUP 1

Date Collected: 04/20/22 13:13

Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535	DL		584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)	DL	5	585445	05/05/22 19:19	S1M	TAL SAC

Client Sample ID: FB-1

Date Collected: 04/20/22 13:25

Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	585222	05/04/22 19:13	RS1	TAL SAC

Client Sample ID: EB-1

Date Collected: 04/20/22 13:22

Date Received: 04/22/22 09:06

Lab Sample ID: 500-215473-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			584757	05/03/22 05:03	NSS	TAL SAC
Total/NA	Analysis	537 (modified)		1	585222	05/04/22 19:55	RS1	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

Laboratory: Eurofins 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	06-17-22
California	State	2897	01-31-23
Colorado	State	CA0004	08-31-22
Florida	NELAP	E87570	06-30-22
Georgia	State	4040	01-30-23
Hawaii	State	<cert No.>	01-29-23
Illinois	NELAP	200060	03-17-23
Kansas	NELAP	E-10375	10-31-22
Louisiana	NELAP	01944	06-30-22
Maine	State	CA00004	04-14-24
Michigan	State	9947	01-31-23
Nevada	State	CA00044	08-31-22
New Hampshire	NELAP	2997	04-18-23
New Jersey	NELAP	CA005	06-30-22
New York	NELAP	11666	04-02-23
Ohio	State	41252	01-29-23
Oregon	NELAP	4040	01-29-23
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	01-23-23
Utah	NELAP	CA000442021-12	03-01-22 *
Virginia	NELAP	460278	03-14-23
Washington	State	C581	05-05-22
West Virginia (DW)	State	9930C	12-31-22
Wisconsin	State	998204680	08-31-22
Wyoming	State Program	8TMS-L	01-28-19 *

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



500-215473 COC

Chain of Custody Record

America


Client Information		Sampler:	Lab PM	Carrier Tracking Note:	COC No:																																																																																
Client Contact: Mr. Tim Pelrick Company: Endpoint Solutions Corp Address: 6871 S. Lovell's Lane City: Franklin State, Zip: WI, 53132 Phone: 414-427-1200 (Tel) Email: tim@endpointcorporation.com Project Name: Arkema - Soukville		Fredrick, Sandie E-Mail: Sandra.Fredrick@et.eurofinsus.com	Fredrick, Sandie E-Mail: Sandra.Fredrick@et.eurofinsus.com	Wisconsin	500-100108-43706.1 Page: Page 1 of 1 Job #: 341-022-004																																																																																
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 341-022 WO #: Project #: 50017526 SOW#:		Analysis Requested			Preservation Codes: A - HCl B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amctel H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDTA M - Hexane N - None O - AsH2O2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)																																																																																
Sample Identification <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sample ID</th> <th>Sample Date</th> <th>Sample Time</th> <th>Sample Type (C=comp, G=grab)</th> <th>MATRIX (W=water, S=soil, G=grab, etc)</th> <th>Preservation Code</th> <th>Analysis Requested</th> <th>Analysis Results</th> </tr> </thead> <tbody> <tr> <td>W-08R</td> <td>4/20/22</td> <td>13:44</td> <td>G</td> <td>W</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>W-44</td> <td>4/20/22</td> <td>10:50</td> <td>G</td> <td>W</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>W-45</td> <td>4/20/22</td> <td>11:43</td> <td>G</td> <td>W</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>W-49</td> <td>4/20/22</td> <td>13:13</td> <td>G</td> <td>W</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>W-50</td> <td>4/20/22</td> <td>12:08</td> <td>G</td> <td>W</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>DUP 1</td> <td>4/20/22</td> <td>13:13</td> <td>G</td> <td>W</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>FB-1</td> <td>4/20/22</td> <td>13:25</td> <td>G</td> <td>W</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>trip blank</td> <td>4/20/22</td> <td></td> <td></td> <td>W</td> <td>X</td> <td></td> <td></td> </tr> <tr> <td>CB-1</td> <td>4/20/22</td> <td>13:22</td> <td>G</td> <td>W</td> <td>X</td> <td></td> <td></td> </tr> </tbody> </table>		Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	MATRIX (W=water, S=soil, G=grab, etc)	Preservation Code	Analysis Requested	Analysis Results	W-08R	4/20/22	13:44	G	W	X			W-44	4/20/22	10:50	G	W	X			W-45	4/20/22	11:43	G	W	X			W-49	4/20/22	13:13	G	W	X			W-50	4/20/22	12:08	G	W	X			DUP 1	4/20/22	13:13	G	W	X			FB-1	4/20/22	13:25	G	W	X			trip blank	4/20/22			W	X			CB-1	4/20/22	13:22	G	W	X			PFC 10A - PFCs (if needed) list (36 analytes)			Other: 215473
Sample ID	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	MATRIX (W=water, S=soil, G=grab, etc)	Preservation Code	Analysis Requested	Analysis Results																																																																														
W-08R	4/20/22	13:44	G	W	X																																																																																
W-44	4/20/22	10:50	G	W	X																																																																																
W-45	4/20/22	11:43	G	W	X																																																																																
W-49	4/20/22	13:13	G	W	X																																																																																
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DUP 1	4/20/22	13:13	G	W	X																																																																																
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CB-1	4/20/22	13:22	G	W	X																																																																																
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal																																																																																			
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements.																																																																																			
Empty Kit Relinquished by:		Date/Time:																																																																																			
Relinquished by: <i>[Signature]</i>		Date/Time: 4-21-22 / 12:50		Company: <i>[Signature]</i>																																																																																	
Relinquished by: <i>[Signature]</i>		Date/Time: 4/21/22 / 1:30		Company:																																																																																	
Relinquished by:		Date/Time:		Company:																																																																																	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks																																																																																			

Ver: 01/16/2019

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Log + Sub
Shipped Direct

Chain of Custody Record

Client Information Client Contact: Mr. Tim Petrick Company: Endpoint Solutions Corp Address: 6871 S. Lover's Lane City: Franklin State, Zip: WI, 53132 Phone: 414-427-1200 (Tel) Email: tim@endpointcorporation.com Project Name: ARKema - Saukville 341-022-004 Site: <i>Arkema - Saukville</i>		Lab PM: Fredrick, Sandie E-Mail: Sandra.Fredrick@et.eurofins.com PWSID:		Sampler: Fredrick, Sandie State of Origin: <i>Wisconsin</i>		COC No: 500-100108-43706.1 Page: Page 1 of 1 Job #: <i>341-022-004</i>											
Due Date Requested: TAT Requested (days): Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: 341-022 WO #:		Analysis Requested  500-215473 Chain of Custody		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)											
Sample Identification W-08R W-44 W-45 W-49 W-50 DUP1 FB-1 trip blank CB-1		Sample Date 4/20/22 4/20/22 4/20/22 4/20/22 4/20/22 4/20/22 4/20/22 4/20/22		Sample Time 13:44 10:50 11:43 13:13 12:08 13:13 13:25 13:22		Sample Type (C=Comp, G=grab) G G G G G G - G		Matrix (W=water, S=solid, O=wastewater, BT=biological, A=air) W W W W W W W W		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/>		Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/>		Total Number of containers 2 2 2 2 2 2 1 1		Special Instructions/Note: PFC (36 analytes) PFC (36 analytes) 	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological																	
Deliverable Requested: I, II, III, IV, Other (specify)																	
Empty Kit Relinquished by:																	
Relinquished by: <i>Chandra Pulluri</i> Date: 4-20-22 / 12:50 Relinquished by: <i>Deva</i> Date: 4/21/22 / 13:00 Relinquished by:																	
Relinquished by: <i>Chandra Pulluri</i> Date: 4/21/22 / 12:50 Relinquished by: <i>Deva</i> Date: 4/21/22 / 13:55 Relinquished by:																	
Company: <i>EW</i> Company: <i>EW</i> Company:																	
Custody Seal No.: <i>1955285</i> Cooler Temperature(s) °C and Other Remarks: <i>0.60</i>																	

Login Sample Receipt Checklist

Client: Endpoint Solutions Corp

Job Number: 500-215473-1

Login Number: 215473

List Source: Eurofins Chicago

List Number: 1

Creator: Scott, Sherri L

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



Login Sample Receipt Checklist

Client: Endpoint Solutions Corp

Job Number: 500-215473-1

Login Number: 215473

List Number: 2

Creator: Simmons, Jason C

List Source: Eurofins Sacramento

List Creation: 04/22/22 06:05 PM

Question	Answer	Comment
Radioactivity wasn't checked or is \leq background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	1955285
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	0.6c
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?	False	Received project as a subcontract.
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 <math><6\text{mm}</math> (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Isotope Dilution Summary

Client: Endpoint Solutions Corp
Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

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)
500-215473-1	W-08r	90	102	101	103	101	95	107	104
500-215473-2	W-44	105	94	103	107	102	107	108	108
500-215473-3	W-45	95	92	98	101	98	95	103	93
500-215473-3 - DL	W-45								
500-215473-4	W-49	91	87	100	103	100	94	100	108
500-215473-4 - DL	W-49		96	91					
500-215473-5	W-50	94	97	106	106	108	100	108	105
500-215473-6	DUP 1	94	86	104	103	96	97	101	104
500-215473-6 - DL	DUP 1		89	103					
500-215473-7	FB-1	113	106	107	101	99	105	98	103
500-215473-9	EB-1	94	106	105	98	103	104	106	109
LCS 320-584757/2-A	Lab Control Sample	101	98	100	104	99	102	101	109
LCS 320-584757/3-A	Lab Control Sample Dup	102	93	95	102	99	103	104	106
MB 320-584757/1-A	Method Blank	108	104	105	95	97	99	105	104

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDaA (25-150)	PFTDA (25-150)	PFHxDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (10-150)	d3NMFOS (25-150)
500-215473-1	W-08r	103	107	100	108	106	99	91	112
500-215473-2	W-44	103	107	102	104	108	103	91	101
500-215473-3	W-45	98	99	95	111	97	87	83	104
500-215473-3 - DL	W-45						105		
500-215473-4	W-49	101	101	93	104	98	87	85	100
500-215473-4 - DL	W-49								
500-215473-5	W-50	104	104	110	113	111	94	88	105
500-215473-6	DUP 1	93	102	100	103	106	94	93	95
500-215473-6 - DL	DUP 1								
500-215473-7	FB-1	103	101	98	109	105	97	88	108
500-215473-9	EB-1	101	110	98	116	107	98	87	113
LCS 320-584757/2-A	Lab Control Sample	106	109	98	105	104	96	83	107
LCS 320-584757/3-A	Lab Control Sample Dup	109	112	103	104	105	101	88	105
MB 320-584757/1-A	Method Blank	119	108	94	102	110	92	92	108

		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)
500-215473-1	W-08r	111	82	76	82	86	114	121	112
500-215473-2	W-44	110	88	83	80	77	122	133	124
500-215473-3	W-45	102	81	74	75	80	103	110	108
500-215473-3 - DL	W-45								
500-215473-4	W-49	110	83	77	73	79	121	105	108
500-215473-4 - DL	W-49								
500-215473-5	W-50	110	86	83	87	85	134	121	118
500-215473-6	DUP 1	103	89	82	73	79	122	113	108
500-215473-6 - DL	DUP 1								
500-215473-7	FB-1	111	81	76	78	81	125	118	111
500-215473-9	EB-1	124	86	82	85	84	117	122	112
LCS 320-584757/2-A	Lab Control Sample	117	83	80	80	79	99	107	91
LCS 320-584757/3-A	Lab Control Sample Dup	112	82	81	81	81	102	103	104
MB 320-584757/1-A	Method Blank	118	85	80	79	88	103	108	113

Isotope Dilution Summary

Client: Endpoint Solutions Corp
 Project/Site: Arkema - Saukville 341-022-004

Job ID: 500-215473-1

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

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	HFPODA (25-150)	M102FTS (25-150)
500-215473-1	W-08r	98	117
500-215473-2	W-44	104	122
500-215473-3	W-45	93	114
500-215473-3 - DL	W-45		
500-215473-4	W-49	95	112
500-215473-4 - DL	W-49		
500-215473-5	W-50	98	125
500-215473-6	DUP 1	101	108
500-215473-6 - DL	DUP 1		
500-215473-7	FB-1	110	118
500-215473-9	EB-1	106	114
LCS 320-584757/2-A	Lab Control Sample	100	113
LCS 320-584757/3-A	Lab Control Sample Dup	96	109
MB 320-584757/1-A	Method Blank	90	124

Surrogate Legend

- PFBA = 13C4 PFBA
- PFPeA = 13C5 PFPeA
- PFHxA = 13C2 PFHxA
- C4PFHA = 13C4 PFHpA
- PFOA = 13C4 PFOA
- PFNA = 13C5 PFNA
- PFDA = 13C2 PFDA
- PFUnA = 13C2 PFUnA
- PFDoA = 13C2 PFDoA
- PFTDA = 13C2 PFTeDA
- PFHxDA = 13C2 PFHxDA
- C3PFBS = 13C3 PFBS
- PFHxS = 18O2 PFHxS
- PFOS = 13C4 PFOS
- PFOSA = 13C8 FOSA
- d3NMFOS = d3-NMeFOSAA
- d5NEFOS = d5-NEtFOSAA
- dMeFOSA = d-N-MeFOSA-M
- dEtFOSA = d-N-EtFOSA-M
- NMFM = d7-N-MeFOSE-M
- NEFM = d9-N-EtFOSE-M
- M242FTS = M2-4:2 FTS
- M262FTS = M2-6:2 FTS
- M282FTS = M2-8:2 FTS
- HFPODA = 13C3 HFPO-DA
- M102FTS = 13C2 10:2 FTS