



June 24, 2021

Mike Brown
Illinois Environmental Protection Agency
Physical Services MC#2
Springfield, IL 62702-4059

Dear Mike Brown:

Please find enclosed the analytical results for the **18** sample(s) the laboratory received on **6/18/21 3:08 pm** and logged in under work order **EF03960**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of PDC Laboratories, Inc.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

PDC Laboratories, Inc. appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the Director of Client Services, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lgrant@pdclab.com.

Sincerely,

Lisa Grant
Director of Client Services
(309) 692-9688 x1764
lgrant@pdclab.com



**SAMPLE RECEIPT CHECK LIST**

Items not applicable will be marked as in compliance

Work Order EF03960

YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
NO	COC completed & legible
NO	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

**ANALYTICAL RESULTS****Work Order:** EF03960**Samples:** See Below**Sampled:** See Below**Received:** 06/18/21 15:08**Reg ID:****PO #:**

Sample Number	Description		
EF03960-01	CHEMTOOL #1 SID #1	6/17/21 12:30	SUBCONTRACTED ANALYSIS ATTACHED
EF03960-02	TRIP BLANK		
EF03960-03	CHEMTOOL SID B-1 TRENCH 2	6/17/21 13:45	
EF03960-04	TRIP BLANK		
EF03960-05	CHEMTOOL SID B-2 RUN OFF	6/17/21 14:00	
EF03960-06	TRIP BLANK		
EF03960-07	CHEMTOOL SID A ROCK RIVER UPSTREAM	6/17/21 15:10	
EF03960-08	TRIP BLANK		
EF03960-09	CHEMTOOL SID C5 ROCK RIVER	6/17/21 15:50	
EF03960-10	TRIP BLANK		
EF03960-11	CHEMTOOL SID C1 ROCK RIVER	6/17/21 16:20	
EF03960-12	TRIP BLANK		
EF03960-13	CHEMTOOL SID C2 ROCK RIVER	6/17/21 16:40	
EF03960-14	TRIP BLANK		
EF03960-15	CHEMTOOL SID C4 ROCK RIVER	6/17/21 17:20	
EF03960-16	TRIP BLANK		
EF03960-17	CHEMTOOL SID POTW EFFLUENT	6/18/21 11:25	
EF03960-18	TRIP BLANK		



NOTES

Specifications regarding method revisions and method modifications used for analysis are available upon request. Please contact your project manager.

* Not a TNI accredited analyte

Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553

Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807

USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050

Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050



Certified by: Lisa Grant, Director of Client Services



Report ID: S25465.01(02)
Generated on 06/23/2021
Replaces report S25465.01(01) generated on 06/23/2021

Report to

Attention: Lisa Grant
PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615

Phone: 309-683-1764 FAX:
Email: lgrant@pdclab.com

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Barbara Ball (bball@meritlabs.com)

Report Summary

Lab Sample ID(s): S25465.01-S25465.18
Project: EF03960
Collected Date(s): 06/17/2021 - 06/18/2021
Submitted Date/Time: 06/19/2021 11:00
Sampled by: Unknown
P.O. #:

Table of Contents

Cover Page (Page 1)
General Report Notes (Page 2)
Report Narrative (Page 2)
Laboratory Certifications (Page 3)
Qualifier Descriptions (Page 3)
Glossary of Abbreviations (Page 3)
Method Summary (Page 4)
Sample Summary (Page 5)

Maya Murshak
Technical Director



General Report Notes

Analytical results relate only to the samples tested, in the condition received by the laboratory.

Methods may be modified for improved performance.

Results reported on a dry weight basis where applicable.

'Not detected' indicates that parameter was not found at a level equal to or greater than the reporting limit (RL).

40 CFR Part 136 Table II Required Containers, Preservation Techniques and Holding Times for the Clean Water Act specify that samples for acrolein and acrylonitrile need to be preserved at a pH in the range of 4 to 5 or if not preserved, analyzed within 3 days of sampling.

QA/QC corresponding to this analytical report is a separate document with the same Merit ID reference and is available upon request.

Full accreditation certificates are available upon request. Starred (*) analytes are not NELAP accredited.

Samples are held by the lab for 30 days from the final report date unless a written request to hold longer is provided by the client.

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Limits for drinking water samples, are listed as the MCL Limits (Maximum Contaminant Level Concentrations)

PFAS requirement: Section 9.3.8 of U.S. EPA Method 537.1 states "If the method analyte(s) found in the Field Sample is present in the FRB at a concentration greater than 1/3 the MRL, then all samples collected with that FRB are invalid and must be recollected and reanalyzed."

Samples submitted without an accompanying FRB may not be acceptable for compliance purposes.

Report Narrative

All analyses completed

Laboratory Certifications

Authority	Certification ID
Michigan DEQ	#9956
DOD ELAP/ISO 17025	#69699
WBENC	#2005110032
Ohio VAP	#CL0002
Indiana DOH	#C-MI-07
New York NELAC	#11814
North Carolina DENR	#680
North Carolina DOH	#26702
Alaska CSLAP	#17-001
Pennsylvania DEP	#68-05884

Qualifier Descriptions

Qualifier	Description
!	Result is outside of stated limit criteria
B	Compound also found in associated method blank
E	Concentration exceeds calibration range
F	Analysis run outside of holding time
G	Estimated result due to extraction run outside of holding time
H	Sample submitted and run outside of holding time
I	Matrix interference with internal standard
J	Estimated value less than reporting limit, but greater than MDL
L	Elevated reporting limit due to low sample amount
M	Result reported to MDL not RDL
O	Analysis performed by outside laboratory. See attached report.
R	Preliminary result
S	Surrogate recovery outside of control limits
T	No correction for total solids
X	Elevated reporting limit due to matrix interference
Y	Elevated reporting limit due to high target concentration
b	Value detected less than reporting limit, but greater than MDL
e	Reported value estimated due to interference
j	Analyte also found in associated method blank
p	Benzo(b)Fluoranthene and Benzo(k)Fluoranthene integrated as one peak.
x	Preserved from bulk sample

Glossary of Abbreviations

Abbreviation	Description
RL/RDL	Reporting Limit
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
SW	EPA SW 846 (Soil and Wastewater) Methods
E	EPA Methods
SM	Standard Methods
LN	Linear
BR	Branched

Method Summary

Method	Version
ASTM D7968-17M	ASTM Method D7968 - 17 Modified (Isotopic Dilution)
ASTMD7979-19M	ASTM Method D7979 - 19 Modified (Isotopic Dilution)
SM2540B	Standard Method 2540 B 2011

Parameter Summary

Parameter	Synonym	Cas #
PFBA	Perfluorobutanoic Acid	375-22-4
PFPeA	Perfluoropentanoic Acid	2706-90-3
4:2 FTSA	4:2 Fluorotelomer Sulfonic Acid	757124-72-4
PFHxA	Perfluorohexanoic Acid	307-24-4
PFBS	Perfluorobutane sulfonic Acid	375-73-5
PFHpA	Perfluoroheptanoic Acid	375-85-9
PFPeS	Perfluoropentane Sulfonic Acid	2706-91-4
6:2 FTSA	6:2 Fluorotelomer Sulfonic Acid	27619-97-2
PFOA	Perfluorooctanoic Acid	335-67-1
PFHxS	Perfluorohexane Sulfonic Acid	355-46-4
PFHxS-LN	Perfluorohexane Sulfonic Acid - LN	355-46-4-LN
PFHxS-BR	Perfluorohexane Sulfonic Acid - BR	355-46-4-BR
PFNA	Perfluorononanoic Acid	375-95-1
8:2 FTSA	8:2 Fluorotelomer Sulfonic Acid	39108-34-4
PFHpS	Perfluoroheptane Sulfonic Acid	375-92-8
PFDA	Perfluorodecanoic Acid	335-76-2
N-MeFOSAA	N-methyl perfluorooctanesulfonamidoacetic acid	2355-31-9
EtFOSAA	N-Ethyl Perfluorooctane Sulfonamidoacetic Acid	2991-50-6
PFOS	Perfluorooctane Sulfonic Acid	1763-23-1
PFOS-LN	Perfluorooctane Sulfonic Acid - LN	1763-23-1-LN
PFOS-BR	Perfluorooctane Sulfonic Acid - BR	1763-23-1-BR
PFUnDA	Perfluoroundecanoic Acid	2058-94-8
PFNS	Perfluorononane Sulfonic Acid	68259-12-1
PFDoDA	Perfluorododecanoic Acid	307-55-1
PFDS	Perfluorodecane Sulfonic Acid	335-77-3
PFTTrDA	Perfluorotridecanoic Acid	72629-94-8
FOSA	Perfluorooctane Sulfonamide	754-91-6
PFTeDA	Perfluorotetradecanoic Acid	376-06-7
11Cl-PF3OUdS	11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	763051-92-9
9Cl-PF3ONS	9-chlorohexadecafluoro-3-oxanone1-sulfonic acid	756426-58-1
ADONA	4,8-dioxa-3H-perfluorononanoic acid	919005-14-4
HFPO-DA	Hexafluoropropylene oxide dimer	13252-13-6



Sample Summary (18 samples)

Sample ID	Sample Tag	Matrix	Collected Date/Time
S25465.01	EF03960-01	Wastewater	06/17/21 12:30
S25465.02	EF03960-02	Wastewater	06/17/21 00:01
S25465.03	EF03960-03	Wastewater	06/17/21 13:45
S25465.04	EF03960-04	Wastewater	06/17/21 00:01
S25465.05	EF03960-05	Sludge	06/17/21 14:00
S25465.06	EF03960-06	Wastewater	06/17/21 00:01
S25465.07	EF03960-07	Wastewater	06/17/21 15:10
S25465.08	EF03960-08	Wastewater	06/17/21 00:01
S25465.09	EF03960-09	Wastewater	06/17/21 15:50
S25465.10	EF03960-10	Wastewater	06/17/21 00:01
S25465.11	EF03960-11	Wastewater	06/17/21 16:20
S25465.12	EF03960-12	Wastewater	06/17/21 00:01
S25465.13	EF03960-13	Wastewater	06/17/21 16:40
S25465.14	EF03960-14	Wastewater	06/17/21 00:01
S25465.15	EF03960-15	Wastewater	06/17/21 17:20
S25465.16	EF03960-16	Wastewater	06/17/21 00:01
S25465.17	EF03960-17	Wastewater	06/18/21 11:25
S25465.18	EF03960-18	Wastewater	06/17/21 00:01



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S25465.01

Sample Tag: EF03960-01

Collected Date/Time: 06/17/2021 12:30

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.09/7.07/10	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/22/21 21:45, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	11	10.0		ng/L	1.99	375-22-4	
PFPeA*	28	4.0		ng/L	1.99	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.99	757124-72-4	
PFHxA*	39	2.0		ng/L	1.99	307-24-4	
PFBS*	2.5	2.0		ng/L	1.99	375-73-5	
PFHpA*	Not detected	2.0		ng/L	1.99	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.99	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.99	27619-97-2	
PFOA*	2.0	2.0		ng/L	1.99	335-67-1	
PFHxS*	Not detected	2.0		ng/L	1.99	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.99	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.99	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.99	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.99	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.99	375-92-8	
PFDA*	3.2	2.0		ng/L	1.99	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.99	2355-31-9	
EtFOSAA*	Not detected	4.0		ng/L	1.99	2991-50-6	
PFOS*	39	2.0		ng/L	1.99	1763-23-1	
PFOS-LN*	30	2.0		ng/L	1.99	1763-23-1-LN	
PFOS-BR*	6.2	2.0		ng/L	1.99	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.99	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.99	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.99	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.99	335-77-3	
PFTDA*	Not detected	2.0		ng/L	1.99	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.99	754-91-6	
PFTeDA*	Not detected	4.0		ng/L	1.99	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.99	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.99	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.99	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.99	13252-13-6	

1-subsample from 250mL plastic



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S25465.02

Sample Tag: EF03960-02

Collected Date/Time: 06/17/2021 00:01

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.54/6.92/11	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/22/21 22:24, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.8		ng/L	1.96	375-22-4	
PFPeA*	Not detected	3.9		ng/L	1.96	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.96	757124-72-4	
PFHxA*	Not detected	2.0		ng/L	1.96	307-24-4	
PFBS*	Not detected	2.0		ng/L	1.96	375-73-5	
PFHpA*	Not detected	2.0		ng/L	1.96	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.96	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.96	27619-97-2	
PFOA*	Not detected	2.0		ng/L	1.96	335-67-1	
PFHxS*	Not detected	2.0		ng/L	1.96	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.96	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0		ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9		ng/L	1.96	2991-50-6	
PFOS*	Not detected	2.0		ng/L	1.96	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	1.96	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.96	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.96	335-77-3	
PFTTrDA*	Not detected	2.0		ng/L	1.96	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.96	754-91-6	
PFTeDA*	Not detected	3.9		ng/L	1.96	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.96	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.96	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.96	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.96	13252-13-6	

1-subsample from 250mL plastic

Lab Sample ID: S25465.03

Sample Tag: EF03960-03

Collected Date/Time: 06/17/2021 13:45

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	11.93/6.90/10	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics
28 PFAs, Method: ASTMD7979-19M, Run Date: 06/22/21 22:43, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10.0		ng/L	1.99	375-22-4	
PFPeA*	Not detected	4.0		ng/L	1.99	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.99	757124-72-4	
PFHxA*	Not detected	2.0		ng/L	1.99	307-24-4	
PFBS*	17	2.0		ng/L	1.99	375-73-5	
PFHpA*	Not detected	2.0		ng/L	1.99	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.99	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.99	27619-97-2	
PFOA*	Not detected	2.0		ng/L	1.99	335-67-1	
PFHxS*	Not detected	2.0		ng/L	1.99	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.99	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.99	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.99	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.99	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.99	375-92-8	
PFDA*	Not detected	2.0		ng/L	1.99	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.99	2355-31-9	
EtFOSAA*	Not detected	4.0		ng/L	1.99	2991-50-6	
PFOS*	Not detected	2.0		ng/L	1.99	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	1.99	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	1.99	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.99	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.99	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.99	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.99	335-77-3	
PFTDA*	Not detected	2.0		ng/L	1.99	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.99	754-91-6	
PFTeDA*	Not detected	4.0		ng/L	1.99	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.99	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.99	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.99	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.99	13252-13-6	

1-subsample from 250mL plastic



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S25465.04

Sample Tag: EF03960-04

Collected Date/Time: 06/17/2021 00:01

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.61/6.96/11	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/22/21 23:22, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.8		ng/L	1.95	375-22-4	
PFPeA*	Not detected	3.9		ng/L	1.95	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.95	757124-72-4	
PFHxA*	Not detected	2.0		ng/L	1.95	307-24-4	
PFBS*	Not detected	2.0		ng/L	1.95	375-73-5	
PFHpA*	Not detected	2.0		ng/L	1.95	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.95	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.95	27619-97-2	
PFOA*	Not detected	2.0		ng/L	1.95	335-67-1	
PFHxS*	Not detected	2.0		ng/L	1.95	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.95	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.95	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.95	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.95	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.95	375-92-8	
PFDA*	Not detected	2.0		ng/L	1.95	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.95	2355-31-9	
EtFOSAA*	Not detected	3.9		ng/L	1.95	2991-50-6	
PFOS*	Not detected	2.0		ng/L	1.95	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	1.95	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	1.95	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.95	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.95	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.95	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.95	335-77-3	
PFTTrDA*	Not detected	2.0		ng/L	1.95	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.95	754-91-6	
PFTeDA*	Not detected	3.9		ng/L	1.95	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.95	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.95	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.95	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.95	13252-13-6	

1-subsample from 250mL plastic

Lab Sample ID: S25465.05

Sample Tag: EF03960-05

Collected Date/Time: 06/17/2021 14:00

Matrix: Sludge

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	7.194/6.962/10	ASTM D7968-17M	06/21/21 16:00	KCV	1

Inorganics

Method: SM2540B, Run Date: 06/23/21 13:30, Analyst: ELR

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
Total Solids*	94	1		%	1		

Organics

28 PFAs, Method: ASTM D7968-17M, Run Date: 06/22/21 13:31, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	910		ng/kg	43.1	375-22-4	
PFPeA*	Not detected	460		ng/kg	43.1	2706-90-3	
4:2 FTSA*	Not detected	460		ng/kg	43.1	757124-72-4	I
PFHxA*	Not detected	460		ng/kg	43.1	307-24-4	
PFBS*	Not detected	460		ng/kg	43.1	375-73-5	
PFHpA*	Not detected	460		ng/kg	43.1	375-85-9	
PFPeS*	Not detected	460		ng/kg	43.1	2706-91-4	
6:2 FTSA*	Not detected	460		ng/kg	43.1	27619-97-2	I
PFOA*	Not detected	460		ng/kg	43.1	335-67-1	
PFHxS*	Not detected	460		ng/kg	43.1	355-46-4	
PFHxS-LN*	Not detected	460		ng/kg	43.1	355-46-4-LN	
PFHxS-BR*	Not detected	460		ng/kg	43.1	355-46-4-BR	
PFNA*	Not detected	460		ng/kg	43.1	375-95-1	
8:2 FTSA*	Not detected	460		ng/kg	43.1	39108-34-4	I
PFHpS*	Not detected	460		ng/kg	43.1	375-92-8	
PFDA*	Not detected	460		ng/kg	43.1	335-76-2	I
N-MeFOSAA*	Not detected	460		ng/kg	43.1	2355-31-9	I
EtFOSAA*	Not detected	460		ng/kg	43.1	2991-50-6	I
PFOS*	Not detected	460		ng/kg	43.1	1763-23-1	
PFOS-LN*	Not detected	460		ng/kg	43.1	1763-23-1-LN	
PFOS-BR*	Not detected	460		ng/kg	43.1	1763-23-1-BR	
PFUnDA*	Not detected	460		ng/kg	43.1	2058-94-8	I
PFNS*	Not detected	460		ng/kg	43.1	68259-12-1	
PFDoDA*	Not detected	460		ng/kg	43.1	307-55-1	I
PFDS*	Not detected	460		ng/kg	43.1	335-77-3	
PFTTrDA*	Not detected	460		ng/kg	43.1	72629-94-8	I
FOSA*	Not detected	460		ng/kg	43.1	754-91-6	I
PFTeDA*	Not detected	460		ng/kg	43.1	376-06-7	I2
11CI-PF3OUdS*	Not detected	460		ng/kg	43.1	763051-92-9	

1-subsample from 250mL plastic

I-Matrix interference with internal standard

2-IS recovery <10%



Lab Sample ID: S25465.05 (continued)

Sample Tag: EF03960-05

28 PFAs, Method: ASTM D7968-17M, Run Date: 06/22/21 13:31, Analyst: KCV (continued)

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
9CI-PF3ONS*	Not detected	460		ng/kg	43.1	756426-58-1	
ADONA*	Not detected	460		ng/kg	43.1	919005-14-4	
HFPO-DA*	Not detected	460		ng/kg	43.1	13252-13-6	

Lab Sample ID: S25465.06

Sample Tag: EF03960-06

Collected Date/Time: 06/17/2021 00:01

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.09/6.95/10	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/22/21 23:42, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.8		ng/L	1.95	375-22-4	
PFPeA*	Not detected	3.9		ng/L	1.95	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.95	757124-72-4	
PFHxA*	Not detected	2.0		ng/L	1.95	307-24-4	
PFBS*	Not detected	2.0		ng/L	1.95	375-73-5	
PFHpA*	Not detected	2.0		ng/L	1.95	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.95	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.95	27619-97-2	
PFOA*	Not detected	2.0		ng/L	1.95	335-67-1	
PFHxS*	Not detected	2.0		ng/L	1.95	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.95	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.95	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.95	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.95	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.95	375-92-8	
PFDA*	Not detected	2.0		ng/L	1.95	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.95	2355-31-9	
EtFOSAA*	Not detected	3.9		ng/L	1.95	2991-50-6	
PFOS*	Not detected	2.0		ng/L	1.95	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	1.95	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	1.95	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.95	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.95	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.95	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.95	335-77-3	
PFTDA*	Not detected	2.0		ng/L	1.95	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.95	754-91-6	
PFTeDA*	Not detected	3.9		ng/L	1.95	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.95	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.95	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.95	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.95	13252-13-6	

1-subsample from 250mL plastic

Lab Sample ID: S25465.07

Sample Tag: EF03960-07

Collected Date/Time: 06/17/2021 15:10

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.45/6.93/11	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 00:01, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	13	10.0		ng/L	1.99	375-22-4	
PFPeA*	37	4.0		ng/L	1.99	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.99	757124-72-4	
PFHxA*	56	2.0		ng/L	1.99	307-24-4	
PFBS*	2.2	2.0		ng/L	1.99	375-73-5	
PFHpA*	2.4	2.0		ng/L	1.99	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.99	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.99	27619-97-2	
PFOA*	Not detected	2.0		ng/L	1.99	335-67-1	
PFHxS*	2.1	2.0		ng/L	1.99	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.99	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.99	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.99	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.99	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.99	375-92-8	
PFDA*	Not detected	2.0		ng/L	1.99	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.99	2355-31-9	
EtFOSAA*	Not detected	4.0		ng/L	1.99	2991-50-6	
PFOS*	3.1	2.0		ng/L	1.99	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	1.99	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	1.99	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.99	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.99	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.99	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.99	335-77-3	
PFTDA*	Not detected	2.0		ng/L	1.99	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.99	754-91-6	
PFTeDA*	Not detected	4.0		ng/L	1.99	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.99	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.99	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.99	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.99	13252-13-6	

1-subsample from 250mL plastic



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S25465.08

Sample Tag: EF03960-08

Collected Date/Time: 06/17/2021 00:01

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.47/6.98/11	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 00:21, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10		ng/L	2	375-22-4	
PFPeA*	Not detected	4.0		ng/L	2	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	2	757124-72-4	
PFHxA*	Not detected	2.0		ng/L	2	307-24-4	
PFBS*	Not detected	2.0		ng/L	2	375-73-5	
PFHpA*	Not detected	2.0		ng/L	2	375-85-9	
PFPeS*	Not detected	2.0		ng/L	2	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	2	27619-97-2	
PFOA*	Not detected	2.0		ng/L	2	335-67-1	
PFHxS*	Not detected	2.0		ng/L	2	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	2	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	2	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	2	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	2	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	2	375-92-8	
PFDA*	Not detected	2.0		ng/L	2	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	2	2355-31-9	
EtFOSAA*	Not detected	4.0		ng/L	2	2991-50-6	
PFOS*	Not detected	2.0		ng/L	2	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	2	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	2	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	2	2058-94-8	
PFNS*	Not detected	2.0		ng/L	2	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	2	307-55-1	
PFDS*	Not detected	2.0		ng/L	2	335-77-3	
PFTTrDA*	Not detected	2.0		ng/L	2	72629-94-8	
FOSA*	Not detected	2.0		ng/L	2	754-91-6	
PFTeDA*	Not detected	4.0		ng/L	2	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	2	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	2	756426-58-1	
ADONA*	Not detected	2.0		ng/L	2	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	2	13252-13-6	

1-subsample from 250mL plastic



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S25465.09

Sample Tag: EF03960-09

Collected Date/Time: 06/17/2021 15:50

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.10/6.96/10	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 00:40, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	12	9.8		ng/L	1.95	375-22-4	
PFPeA*	28	3.9		ng/L	1.95	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.95	757124-72-4	
PFHxA*	43	2.0		ng/L	1.95	307-24-4	
PFBS*	2.6	2.0		ng/L	1.95	375-73-5	
PFHpA*	Not detected	2.0		ng/L	1.95	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.95	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.95	27619-97-2	
PFOA*	Not detected	2.0		ng/L	1.95	335-67-1	
PFHxS*	Not detected	2.0		ng/L	1.95	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.95	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.95	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.95	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.95	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.95	375-92-8	
PFDA*	Not detected	2.0		ng/L	1.95	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.95	2355-31-9	
EtFOSAA*	Not detected	3.9		ng/L	1.95	2991-50-6	
PFOS*	3.9	2.0		ng/L	1.95	1763-23-1	
PFOS-LN*	2.1	2.0		ng/L	1.95	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	1.95	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.95	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.95	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.95	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.95	335-77-3	
PFTDA*	Not detected	2.0		ng/L	1.95	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.95	754-91-6	
PFTeDA*	Not detected	3.9		ng/L	1.95	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.95	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.95	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.95	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.95	13252-13-6	

1-subsample from 250mL plastic

Lab Sample ID: S25465.10

Sample Tag: EF03960-10

Collected Date/Time: 06/17/2021 00:01

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.62/6.97/11	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics
28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 01:00, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.8		ng/L	1.95	375-22-4	
PFPeA*	Not detected	3.9		ng/L	1.95	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.95	757124-72-4	
PFHxA*	Not detected	2.0		ng/L	1.95	307-24-4	
PFBS*	Not detected	2.0		ng/L	1.95	375-73-5	
PFHpA*	Not detected	2.0		ng/L	1.95	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.95	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.95	27619-97-2	
PFOA*	Not detected	2.0		ng/L	1.95	335-67-1	
PFHxS*	Not detected	2.0		ng/L	1.95	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.95	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.95	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.95	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.95	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.95	375-92-8	
PFDA*	Not detected	2.0		ng/L	1.95	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.95	2355-31-9	
EtFOSAA*	Not detected	3.9		ng/L	1.95	2991-50-6	
PFOS*	Not detected	2.0		ng/L	1.95	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	1.95	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	1.95	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.95	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.95	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.95	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.95	335-77-3	
PFTDA*	Not detected	2.0		ng/L	1.95	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.95	754-91-6	
PFTeDA*	Not detected	3.9		ng/L	1.95	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.95	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.95	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.95	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.95	13252-13-6	

1-subsample from 250mL plastic



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S25465.11

Sample Tag: EF03960-11

Collected Date/Time: 06/17/2021 16:20

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.00/7.02/10	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 01:19, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	10	10		ng/L	2.01	375-22-4	
PFPeA*	27	4.0		ng/L	2.01	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	2.01	757124-72-4	
PFHxA*	41	2.0		ng/L	2.01	307-24-4	
PFBS*	2.6	2.0		ng/L	2.01	375-73-5	
PFHpA*	Not detected	2.0		ng/L	2.01	375-85-9	
PFPeS*	Not detected	2.0		ng/L	2.01	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	2.01	27619-97-2	
PFOA*	Not detected	2.0		ng/L	2.01	335-67-1	
PFHxS*	Not detected	2.0		ng/L	2.01	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	2.01	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	2.01	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	2.01	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	2.01	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	2.01	375-92-8	
PFDA*	Not detected	2.0		ng/L	2.01	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	2.01	2355-31-9	
EtFOSAA*	Not detected	4.0		ng/L	2.01	2991-50-6	
PFOS*	3.9	2.0		ng/L	2.01	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	2.01	1763-23-1-LN	
PFOS-BR*	2.1	2.0		ng/L	2.01	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	2.01	2058-94-8	
PFNS*	Not detected	2.0		ng/L	2.01	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	2.01	307-55-1	
PFDS*	Not detected	2.0		ng/L	2.01	335-77-3	
PFTDA*	Not detected	2.0		ng/L	2.01	72629-94-8	
FOSA*	Not detected	2.0		ng/L	2.01	754-91-6	
PFTeDA*	Not detected	4.0		ng/L	2.01	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	2.01	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	2.01	756426-58-1	
ADONA*	Not detected	2.0		ng/L	2.01	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	2.01	13252-13-6	

1-subsample from 250mL plastic



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S25465.12

Sample Tag: EF03960-12

Collected Date/Time: 06/17/2021 00:01

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.06/6.88/10	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 01:39, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.7		ng/L	1.93	375-22-4	
PFPeA*	Not detected	3.9		ng/L	1.93	2706-90-3	
4:2 FTSA*	Not detected	1.9		ng/L	1.93	757124-72-4	
PFHxA*	Not detected	1.9		ng/L	1.93	307-24-4	
PFBS*	Not detected	1.9		ng/L	1.93	375-73-5	
PFHpA*	Not detected	1.9		ng/L	1.93	375-85-9	
PFPeS*	Not detected	1.9		ng/L	1.93	2706-91-4	
6:2 FTSA*	Not detected	1.9		ng/L	1.93	27619-97-2	
PFOA*	Not detected	1.9		ng/L	1.93	335-67-1	
PFHxS*	Not detected	1.9		ng/L	1.93	355-46-4	
PFHxS-LN*	Not detected	1.9		ng/L	1.93	355-46-4-LN	
PFHxS-BR*	Not detected	1.9		ng/L	1.93	355-46-4-BR	
PFNA*	Not detected	1.9		ng/L	1.93	375-95-1	
8:2 FTSA*	Not detected	1.9		ng/L	1.93	39108-34-4	
PFHpS*	Not detected	1.9		ng/L	1.93	375-92-8	
PFDA*	Not detected	1.9		ng/L	1.93	335-76-2	
N-MeFOSAA*	Not detected	1.9		ng/L	1.93	2355-31-9	
EtFOSAA*	Not detected	3.9		ng/L	1.93	2991-50-6	
PFOS*	Not detected	1.9		ng/L	1.93	1763-23-1	
PFOS-LN*	Not detected	1.9		ng/L	1.93	1763-23-1-LN	
PFOS-BR*	Not detected	1.9		ng/L	1.93	1763-23-1-BR	
PFUnDA*	Not detected	1.9		ng/L	1.93	2058-94-8	
PFNS*	Not detected	1.9		ng/L	1.93	68259-12-1	
PFDODA*	Not detected	1.9		ng/L	1.93	307-55-1	
PFDS*	Not detected	1.9		ng/L	1.93	335-77-3	
PFTDA*	Not detected	1.9		ng/L	1.93	72629-94-8	
FOSA*	Not detected	1.9		ng/L	1.93	754-91-6	
PFTeDA*	Not detected	3.9		ng/L	1.93	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9		ng/L	1.93	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9		ng/L	1.93	756426-58-1	
ADONA*	Not detected	1.9		ng/L	1.93	919005-14-4	
HFPO-DA*	Not detected	1.9		ng/L	1.93	13252-13-6	

1-subsample from 250mL plastic

Lab Sample ID: S25465.13

Sample Tag: EF03960-13

Collected Date/Time: 06/17/2021 16:40

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.18/7.09/10	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics
28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 01:58, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	10	9.8		ng/L	1.96	375-22-4	
PFPeA*	28	3.9		ng/L	1.96	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.96	757124-72-4	
PFHxA*	45	2.0		ng/L	1.96	307-24-4	
PFBS*	2.3	2.0		ng/L	1.96	375-73-5	
PFHpA*	2.0	2.0		ng/L	1.96	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.96	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.96	27619-97-2	
PFOA*	Not detected	2.0		ng/L	1.96	335-67-1	
PFHxS*	Not detected	2.0		ng/L	1.96	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.96	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0		ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9		ng/L	1.96	2991-50-6	
PFOS*	2.6	2.0		ng/L	1.96	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	1.96	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.96	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.96	335-77-3	
PFTDA*	Not detected	2.0		ng/L	1.96	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.96	754-91-6	
PFTeDA*	Not detected	3.9		ng/L	1.96	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.96	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.96	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.96	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.96	13252-13-6	

1-subsample from 250mL plastic



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S25465.14

Sample Tag: EF03960-14

Collected Date/Time: 06/17/2021 00:01

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.08/6.98/10	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 02:18, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.8		ng/L	1.96	375-22-4	
PFPeA*	Not detected	3.9		ng/L	1.96	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.96	757124-72-4	
PFHxA*	Not detected	2.0		ng/L	1.96	307-24-4	
PFBS*	Not detected	2.0		ng/L	1.96	375-73-5	
PFHpA*	Not detected	2.0		ng/L	1.96	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.96	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.96	27619-97-2	
PFOA*	Not detected	2.0		ng/L	1.96	335-67-1	
PFHxS*	Not detected	2.0		ng/L	1.96	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.96	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0		ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9		ng/L	1.96	2991-50-6	
PFOS*	Not detected	2.0		ng/L	1.96	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	1.96	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.96	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.96	335-77-3	
PFTTrDA*	Not detected	2.0		ng/L	1.96	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.96	754-91-6	
PFTeDA*	Not detected	3.9		ng/L	1.96	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.96	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.96	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.96	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.96	13252-13-6	

1-subsample from 250mL plastic

Lab Sample ID: S25465.15

Sample Tag: EF03960-15

Collected Date/Time: 06/17/2021 17:20

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.20/7.09/10	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics
28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 02:37, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	11	9.8		ng/L	1.96	375-22-4	
PFPeA*	28	3.9		ng/L	1.96	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	1.96	757124-72-4	
PFHxA*	39	2.0		ng/L	1.96	307-24-4	
PFBS*	2.5	2.0		ng/L	1.96	375-73-5	
PFHpA*	2.0	2.0		ng/L	1.96	375-85-9	
PFPeS*	Not detected	2.0		ng/L	1.96	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	1.96	27619-97-2	
PFOA*	Not detected	2.0		ng/L	1.96	335-67-1	
PFHxS*	Not detected	2.0		ng/L	1.96	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	1.96	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	1.96	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	1.96	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	1.96	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	1.96	375-92-8	
PFDA*	Not detected	2.0		ng/L	1.96	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	1.96	2355-31-9	
EtFOSAA*	Not detected	3.9		ng/L	1.96	2991-50-6	
PFOS*	9.3	2.0		ng/L	1.96	1763-23-1	
PFOS-LN*	5.2	2.0		ng/L	1.96	1763-23-1-LN	
PFOS-BR*	4.0	2.0		ng/L	1.96	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	1.96	2058-94-8	
PFNS*	Not detected	2.0		ng/L	1.96	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	1.96	307-55-1	
PFDS*	Not detected	2.0		ng/L	1.96	335-77-3	
PFTDA*	Not detected	2.0		ng/L	1.96	72629-94-8	
FOSA*	Not detected	2.0		ng/L	1.96	754-91-6	
PFTeDA*	Not detected	3.9		ng/L	1.96	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	1.96	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	1.96	756426-58-1	
ADONA*	Not detected	2.0		ng/L	1.96	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	1.96	13252-13-6	

1-subsample from 250mL plastic



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S25465.16

Sample Tag: EF03960-16

Collected Date/Time: 06/17/2021 00:01

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.16/6.96/10	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 02:57, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	9.6		ng/L	1.92	375-22-4	
PFPeA*	Not detected	3.8		ng/L	1.92	2706-90-3	
4:2 FTSA*	Not detected	1.9		ng/L	1.92	757124-72-4	
PFHxA*	Not detected	1.9		ng/L	1.92	307-24-4	
PFBS*	Not detected	1.9		ng/L	1.92	375-73-5	
PFHpA*	Not detected	1.9		ng/L	1.92	375-85-9	
PFPeS*	Not detected	1.9		ng/L	1.92	2706-91-4	
6:2 FTSA*	Not detected	1.9		ng/L	1.92	27619-97-2	
PFOA*	Not detected	1.9		ng/L	1.92	335-67-1	
PFHxS*	Not detected	1.9		ng/L	1.92	355-46-4	
PFHxS-LN*	Not detected	1.9		ng/L	1.92	355-46-4-LN	
PFHxS-BR*	Not detected	1.9		ng/L	1.92	355-46-4-BR	
PFNA*	Not detected	1.9		ng/L	1.92	375-95-1	
8:2 FTSA*	Not detected	1.9		ng/L	1.92	39108-34-4	
PFHpS*	Not detected	1.9		ng/L	1.92	375-92-8	
PFDA*	Not detected	1.9		ng/L	1.92	335-76-2	
N-MeFOSAA*	Not detected	1.9		ng/L	1.92	2355-31-9	
EtFOSAA*	Not detected	3.8		ng/L	1.92	2991-50-6	
PFOS*	Not detected	1.9		ng/L	1.92	1763-23-1	
PFOS-LN*	Not detected	1.9		ng/L	1.92	1763-23-1-LN	
PFOS-BR*	Not detected	1.9		ng/L	1.92	1763-23-1-BR	
PFUnDA*	Not detected	1.9		ng/L	1.92	2058-94-8	
PFNS*	Not detected	1.9		ng/L	1.92	68259-12-1	
PFDODA*	Not detected	1.9		ng/L	1.92	307-55-1	
PFDS*	Not detected	1.9		ng/L	1.92	335-77-3	
PFTDA*	Not detected	1.9		ng/L	1.92	72629-94-8	
FOSA*	Not detected	1.9		ng/L	1.92	754-91-6	
PFTeDA*	Not detected	3.8		ng/L	1.92	376-06-7	
11Cl-PF3OUdS*	Not detected	1.9		ng/L	1.92	763051-92-9	
9Cl-PF3ONS*	Not detected	1.9		ng/L	1.92	756426-58-1	
ADONA*	Not detected	1.9		ng/L	1.92	919005-14-4	
HFPO-DA*	Not detected	1.9		ng/L	1.92	13252-13-6	

1-subsample from 250mL plastic

Lab Sample ID: S25465.17

Sample Tag: EF03960-17

Collected Date/Time: 06/18/2021 11:25

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
3	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.22/6.87/11	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 03:36, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	52		ng/L	10.3	375-22-4	Y
PFPeA*	48	21		ng/L	10.3	2706-90-3	Y
4:2 FTSA*	Not detected	10		ng/L	10.3	757124-72-4	Y
PFHxA*	240	10		ng/L	10.3	307-24-4	Y
PFBS*	Not detected	10		ng/L	10.3	375-73-5	Y
PFHpA*	Not detected	10		ng/L	10.3	375-85-9	Y
PFPeS*	Not detected	10		ng/L	10.3	2706-91-4	Y
6:2 FTSA*	5,700	10		ng/L	10.3	27619-97-2	Y
PFOA*	Not detected	10		ng/L	10.3	335-67-1	Y
PFHxS*	Not detected	10		ng/L	10.3	355-46-4	Y
PFHxS-LN*	Not detected	10		ng/L	10.3	355-46-4-LN	Y
PFHxS-BR*	Not detected	10		ng/L	10.3	355-46-4-BR	Y
PFNA*	Not detected	10		ng/L	10.3	375-95-1	Y
8:2 FTSA*	Not detected	10		ng/L	10.3	39108-34-4	Y
PFHpS*	Not detected	10		ng/L	10.3	375-92-8	Y
PFDA*	Not detected	10		ng/L	10.3	335-76-2	Y
N-MeFOSAA*	Not detected	10		ng/L	10.3	2355-31-9	Y
EtFOSAA*	Not detected	21		ng/L	10.3	2991-50-6	Y
PFOS*	Not detected	10		ng/L	10.3	1763-23-1	Y
PFOS-LN*	Not detected	10		ng/L	10.3	1763-23-1-LN	Y
PFOS-BR*	Not detected	10		ng/L	10.3	1763-23-1-BR	Y
PFUnDA*	Not detected	10		ng/L	10.3	2058-94-8	Y
PFNS*	Not detected	10		ng/L	10.3	68259-12-1	Y
PFDODA*	Not detected	10		ng/L	10.3	307-55-1	Y
PFDS*	Not detected	10		ng/L	10.3	335-77-3	Y
PFTTrDA*	Not detected	10		ng/L	10.3	72629-94-8	Y
FOSA*	Not detected	10		ng/L	10.3	754-91-6	Y
PFTeDA*	Not detected	21		ng/L	10.3	376-06-7	Y
11Cl-PF3OUdS*	Not detected	10		ng/L	10.3	763051-92-9	Y
9Cl-PF3ONS*	Not detected	10		ng/L	10.3	756426-58-1	Y
ADONA*	Not detected	10		ng/L	10.3	919005-14-4	Y
HFPO-DA*	Not detected	10		ng/L	10.3	13252-13-6	Y

1-subsample from 250mL plastic

Y-Elevated reporting limit due to high target concentration



Analytical Laboratory Report

Supplemental Report

Lab Sample ID: S25465.18

Sample Tag: EF03960-18

Collected Date/Time: 06/17/2021 00:01

Matrix: Wastewater

COC Reference:

Sample Containers

#	Type	Preservative(s)	Refrigerated?	Arrival Temp. (C)	Thermometer #
1	250ml Plastic	Trizma	Yes	4.0	IR

Extraction / Prep.

Parameter	Result	Method	Run Date	Analyst	Flags
Initial wt. (g) / Final wt. (g) / Volume (ml)*	12.36/6.88/11	ASTMD7979-19M	06/21/21 10:00	KCV	1

Organics

28 PFAs, Method: ASTMD7979-19M, Run Date: 06/23/21 03:16, Analyst: KCV

Parameter	Result	RL	MDL	Units	Dilution	CAS#	Flags
PFBA*	Not detected	10		ng/L	2.01	375-22-4	
PFPeA*	Not detected	4.0		ng/L	2.01	2706-90-3	
4:2 FTSA*	Not detected	2.0		ng/L	2.01	757124-72-4	
PFHxA*	Not detected	2.0		ng/L	2.01	307-24-4	
PFBS*	Not detected	2.0		ng/L	2.01	375-73-5	
PFHpA*	Not detected	2.0		ng/L	2.01	375-85-9	
PFPeS*	Not detected	2.0		ng/L	2.01	2706-91-4	
6:2 FTSA*	Not detected	2.0		ng/L	2.01	27619-97-2	
PFOA*	Not detected	2.0		ng/L	2.01	335-67-1	
PFHxS*	Not detected	2.0		ng/L	2.01	355-46-4	
PFHxS-LN*	Not detected	2.0		ng/L	2.01	355-46-4-LN	
PFHxS-BR*	Not detected	2.0		ng/L	2.01	355-46-4-BR	
PFNA*	Not detected	2.0		ng/L	2.01	375-95-1	
8:2 FTSA*	Not detected	2.0		ng/L	2.01	39108-34-4	
PFHpS*	Not detected	2.0		ng/L	2.01	375-92-8	
PFDA*	Not detected	2.0		ng/L	2.01	335-76-2	
N-MeFOSAA*	Not detected	2.0		ng/L	2.01	2355-31-9	
EtFOSAA*	Not detected	4.0		ng/L	2.01	2991-50-6	
PFOS*	Not detected	2.0		ng/L	2.01	1763-23-1	
PFOS-LN*	Not detected	2.0		ng/L	2.01	1763-23-1-LN	
PFOS-BR*	Not detected	2.0		ng/L	2.01	1763-23-1-BR	
PFUnDA*	Not detected	2.0		ng/L	2.01	2058-94-8	
PFNS*	Not detected	2.0		ng/L	2.01	68259-12-1	
PFDODA*	Not detected	2.0		ng/L	2.01	307-55-1	
PFDS*	Not detected	2.0		ng/L	2.01	335-77-3	
PFTTrDA*	Not detected	2.0		ng/L	2.01	72629-94-8	
FOSA*	Not detected	2.0		ng/L	2.01	754-91-6	
PFTeDA*	Not detected	4.0		ng/L	2.01	376-06-7	
11Cl-PF3OUdS*	Not detected	2.0		ng/L	2.01	763051-92-9	
9Cl-PF3ONS*	Not detected	2.0		ng/L	2.01	756426-58-1	
ADONA*	Not detected	2.0		ng/L	2.01	919005-14-4	
HFPO-DA*	Not detected	2.0		ng/L	2.01	13252-13-6	

1-subsample from 250mL plastic

Merit Laboratories Login Checklist

Lab Set ID:S25465

Client:PDC (PDC Technical Services)

Project: EF03960

Submitted:06/19/2021 11:00 Login User: BJB

Attention: Lisa Grant

Address: PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615

Phone: 309-683-1764

FAX:

Email: lgrant@pdclab.com

Selection	Description	Note
Sample Receiving		
01. ☒ Yes ☐ No ☐ N/A	Samples are received at 4C +/- 2C Thermometer #	IR 4.0
02. ☒ Yes ☐ No ☐ N/A	Received on ice/ cooling process begun	
03. ☒ Yes ☐ No ☐ N/A	Samples shipped	UPS
04. ☐ Yes ☒ No ☐ N/A	Samples left in 24 hr. drop box	
05. ☒ Yes ☐ No ☐ N/A	Are there custody seals/tape or is the drop box locked	
Chain of Custody		
06. ☒ Yes ☐ No ☐ N/A	COC adequately filled out	
07. ☒ Yes ☐ No ☐ N/A	COC signed and relinquished to the lab	
08. ☒ Yes ☐ No ☐ N/A	Sample tag on bottles match COC	
09. ☐ Yes ☒ No ☐ N/A	Subcontracting needed? Subcontracted to:	
Preservation		
10. ☒ Yes ☐ No ☐ N/A	Do sample have correct chemical preservation	
11. ☐ Yes ☐ No ☒ N/A	Completed pH checks on preserved samples? (no VOAs)	
12. ☐ Yes ☒ No ☐ N/A	Did any samples need to be preserved in the lab?	
Bottle Conditions		
13. ☒ Yes ☐ No ☐ N/A	All bottles intact	
14. ☐ Yes ☒ No ☐ N/A	Appropriate analytical bottles are used	Trizma bottles submitted, .05 is a sludge
15. ☒ Yes ☐ No ☐ N/A	Merit bottles used	
16. ☒ Yes ☐ No ☐ N/A	Sufficient sample volume received	
17. ☐ Yes ☒ No ☐ N/A	Samples require laboratory filtration	
18. ☒ Yes ☐ No ☐ N/A	Samples submitted within holding time	
19. ☐ Yes ☐ No ☒ N/A	Do water VOC or TOX bottles contain headspace	

Corrective action for all exceptions is to call the client and to notify the project manager.

Client Review By: _____ Date: _____

SUBCONTRACT ORDER
Transfer Chain of Custody

PDC Laboratories, Inc.

EF03960

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Merit Laboratories, Inc.
2680 East Lansing Dr.
East Lansing, MI 48823
(517) 332-0167

Sample: EF03960-01
Name: CHEMTOOL #1 SID #1

25465.01

Sampled: 06/17/21 12:30
Matrix: Waste Water
Preservative: *** DEFAULT PRESEF

Analysis	Due	Expires	Comments
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01-M537	06/23/21 16:00	07/01/21 12:30	
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Sample: EF03960-02
Name: Trip Blank

25465.02

Sampled: 06/17/21 00:00
Matrix: Waste Water
Preservative: *** DEFAULT PRESEF

Analysis	Due	Expires	Comments
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01-M537	06/23/21 16:00	07/01/21 00:00	
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Sample: EF03960-03
Name: CHEMTOOL SID B-1 TRENCH 2

25465.03

Sampled: 06/17/21 13:45
Matrix: Waste Water
Preservative: *** DEFAULT PRESEF

Analysis	Due	Expires	Comments
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01-M537	06/23/21 16:00	07/01/21 13:45	
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Sample: EF03960-04
Name: Trip Blank

25465.04

Sampled: 06/17/21 00:00
Matrix: Waste Water
Preservative: *** DEFAULT PRESEF

Analysis	Due	Expires	Comments
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01-M537	06/23/21 16:00	07/01/21 00:00	
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Sample: EF03960-05
Name: CHEMTOOL SID B-2 RUN OFF

25465.05

Sampled: 06/17/21 14:00
Matrix: Waste Water
Preservative: *** DEFAULT PRESEF

Analysis	Due	Expires	Comments
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01-M537	06/23/21 16:00	07/01/21 14:00	
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SUBCONTRACT ORDER
Transfer Chain of Custody

PDC Laboratories, Inc.

EF03960

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Merit Laboratories, Inc.
2680 East Lansing Dr.
East Lansing, MI 48823
(517) 332-0167

Sample: EF03960-06

Name: Trip Blank

25465.06

Sampled: 06/17/21 00:00

Matrix: Waste Water

Preservative: *** DEFAULT PRESEF

Analysis

Due

Expires

Comments

01-M537

06/23/21 16:00

07/01/21 00:00

Sample: EF03960-07

Name: CHEMTOOL SID A ROCK RIVER UPS

25465.07

Sampled: 06/17/21 15:10

Matrix: Waste Water

Preservative: *** DEFAULT PRESEF

Analysis

Due

Expires

Comments

01-M537

06/23/21 16:00

07/01/21 15:10

Sample: EF03960-08

Name: Trip Blank

25465.08

Sampled: 06/17/21 00:00

Matrix: Waste Water

Preservative: *** DEFAULT PRESEF

Analysis

Due

Expires

Comments

01-M537

06/23/21 16:00

07/01/21 00:00

Sample: EF03960-09

Name: CHEMTOOL SID C5 ROCK RIVER

25465.09

Sampled: 06/17/21 15:50

Matrix: Waste Water

Preservative: *** DEFAULT PRESEF

Analysis

Due

Expires

Comments

01-M537

06/23/21 16:00

07/01/21 15:50

Sample: EF03960-10

Name: Trip Blank

25465.10

Sampled: 06/17/21 00:00

Matrix: Waste Water

Preservative: *** DEFAULT PRESEF

Analysis

Due

Expires

Comments

01-M537

06/23/21 16:00

07/01/21 00:00

SUBCONTRACT ORDER
Transfer Chain of Custody

PDC Laboratories, Inc.

EF03960

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Merit Laboratories, Inc.
2680 East Lansing Dr.
East Lansing, MI 48823
(517) 332-0167

Sample: EF03960-11
Name: CHEMTOOL SID C1 ROCK RIVER

25465.11

Sampled: 06/17/21 16:20
Matrix: Waste Water
Preservative: *** DEFAULT PRESEF

Analysis	Due	Expires	Comments
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01-M537	06/23/21 16:00	07/01/21 16:20	
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Sample: EF03960-12
Name: Trip Blank

25465.12

Sampled: 06/17/21 00:00
Matrix: Waste Water
Preservative: *** DEFAULT PRESEF

Analysis	Due	Expires	Comments
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01-M537	06/23/21 16:00	07/01/21 00:00	
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Sample: EF03960-13
Name: CHEMTOOL SID C2 ROCK RIVER

25465.13

Sampled: 06/17/21 16:40
Matrix: Waste Water
Preservative: *** DEFAULT PRESEF

Analysis	Due	Expires	Comments
----------	-----	---------	----------

01-M537	06/23/21 16:00	07/01/21 16:40	
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Sample: EF03960-14
Name: Trip Blank

25465.14

Sampled: 06/17/21 00:00
Matrix: Waste Water
Preservative: *** DEFAULT PRESEF

Analysis	Due	Expires	Comments
----------	-----	---------	----------

01-M537	06/23/21 16:00	07/01/21 00:00	
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Sample: EF03960-15
Name: CHEMTOOL SID C4 ROCK RIVER

25465.15

Sampled: 06/17/21 17:20
Matrix: Waste Water
Preservative: *** DEFAULT PRESEF

Analysis	Due	Expires	Comments
----------	-----	---------	----------

01-M537	06/23/21 16:00	07/01/21 17:20	
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SUBCONTRACT ORDER
Transfer Chain of Custody

PDC Laboratories, Inc.

EF03960

SENDING LABORATORY

PDC Laboratories, Inc.
2231 W Altorfer Dr
Peoria, IL 61615
(800) 752-6651

RECEIVING LABORATORY

Merit Laboratories, Inc.
2680 East Lansing Dr.
East Lansing, MI 48823
(517) 332-0167

Sample: EF03960-16

Name: Trip Blank

25465.16

Sampled: 06/17/21 00:00

Matrix: Waste Water

Preservative: * DEFAULT PRESEF**

Analysis	Due	Expires	Comments
01-M537	06/23/21 16:00	07/01/21 00:00	

Sample: EF03960-17

Name: CHEMTOOL SID POTW EFFLUENT

25465.17

Sampled: 06/18/21 11:25

Matrix: Waste Water

Preservative: * DEFAULT PRESEF**

Analysis	Due	Expires	Comments
01-M537	06/23/21 16:00	07/02/21 11:25	

Sample: EF03960-18

Name: Trip Blank

25465.18

Sampled: 06/17/21 00:00

Matrix: Waste Water

Preservative: * DEFAULT PRESEF**

Analysis	Due	Expires	Comments
01-M537	06/23/21 16:00	07/01/21 00:00	

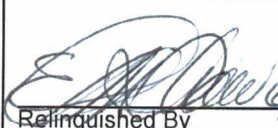
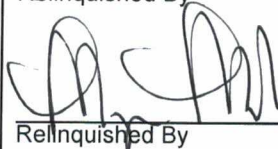
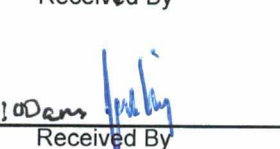
Please email results to Lisa Grant at lgrant@pdclab.com

40C ✓

Date Shipped: 6/18/21 Total # of Containers: 35 Sample Origin (State): IL PO #: _____

Turn-Around Time Requested ☐ NORMAL ☒ RUSH

Date Results Needed: 72hrs

	<u>6/18/21 16:03</u>		<u>6/19/21 11:00am</u>	Sample Temperature Upon Receipt _____ °C
Relinquished By	Date/Time	Received By	Date/Time	Sample(s) Received on Ice Y or N
	<u>6/19/21 11:00am</u>		<u>6/19/21 11:10</u>	Proper Bottles Received in Good Condition Y or N
Relinquished By	Date/Time	Received By	Date/Time	Bottles Filled with Adequate Volume Y or N
				Samples Received Within Hold Time Y or N
				Date/Time Taken From Sample Bottle Y or N



REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED _____

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

1 CLIENT <u>IEPA-DPWS</u>		PROJECT NUMBER		PROJECT LOCATION		PURCHASE ORDER #		3 ANALYSIS REQUESTED		4 (FOR LAB USE ONLY) LOGIN # <u>EFO3940-18</u> LOGGED BY: <u>DCW</u> CLIENT: _____ PROJECT: _____ PROJ. MGR.: _____ CUSTODY SEAL #: _____	
ADDRESS		PHONE NUMBER		E-MAIL		DATE SHIPPED					
CITY STATE ZIP		SAMPLER (PLEASE PRINT)		MATRIX TYPES: WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER WWSL- SLUDGE NAS- NON AQUEOUS SOLID LCHT- LEACHATE OIL- OIL SO- SOIL SOL- SOLID							
CONTACT PERSON		SAMPLER'S SIGNATURE									
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)		DATE COLLECTED	TIME COLLECTED	SAMPLE TYPE GRAB COMP		MATRIX TYPE	BOTTLE COUNT	PRES CODE CLIENT PROVIDED			REMARKS
<u>Chemtool SID #1</u>		<u>6-17-21</u>	<u>12:30</u>	<u>X</u>			<u>24</u>				
<u>River sp. 1 site</u>											
<u>42.472521, -89.067064</u>											
<u>Chemtool SID #2 truck tank</u>		<u>6-17-21</u>	<u>13:05</u>	<u>X</u>			<u>4</u>				
<u>Chemtool SID B-1 Trench 2</u>		<u>6-17-21</u>	<u>13:45</u>	<u>X</u>			<u>4</u>				
<u>Chemtool SID B-2 runoff</u>		<u>6-17-21</u>	<u>14:00</u>	<u>X</u>			<u>4</u>				
<u>Chemtool SID A Rock River upstream</u>		<u>6-17-21</u>	<u>15:10</u>	<u>X</u>			<u>4</u>				
<u>Chemtool SID C5 Rock River</u>		<u>6-17-21</u>	<u>15:50</u>	<u>X</u>			<u>4</u>				
<u>Chemtool SID C1 Rock River</u>		<u>6-17-21</u>	<u>16:20</u>	<u>X</u>			<u>4</u>				
<u>Chemtool SID C2 Rock River</u>		<u>6-17-21</u>	<u>16:40</u>	<u>X</u>			<u>4</u>				
<u>Chemtool SID C4 Rock River</u>		<u>6-17-21</u>	<u>17:20</u>	<u>X</u>			<u>4</u>				
CHEMICAL PRESERVATION CODES: 1 - HCL 2 - H2SO4 3 - HNO3 4 - NAOH 5 - NA2S2O3 6 - UNPRESERVED 7 - OTHER											
5 TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PDC LABS APPROVAL AND SURCHARGE)		DATE RESULTS NEEDED		6 I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities. PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS) _____							
RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE											
EMAIL IF DIFFERENT FROM ABOVE: _____		PHONE # IF DIFFERENT FROM ABOVE: _____									
7 RELINQUISHED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>6/18/21</u>	TIME <u>1508</u>	RECEIVED BY: (SIGNATURE)		DATE		TIME		8 COMMENTS: (FOR LAB USE ONLY)	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE)		DATE		TIME		SAMPLE TEMPERATURE UPON RECEIPT <u>1.3</u> °C	
RELINQUISHED BY: (SIGNATURE)		DATE	TIME	RECEIVED BY: (SIGNATURE) <u>[Signature]</u>		DATE <u>6/18/21</u>		TIME <u>1508</u>		CHILL PROCESS STARTED PRIOR TO RECEIPT <u>Y</u> OR <u>N</u> SAMPLE(S) RECEIVED ON ICE <u>Y</u> OR <u>N</u> SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED <u>Y</u> OR <u>N</u>	
		DATE	TIME							DATE AND TIME TAKEN FROM SAMPLE BOTTLE _____	

REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

CHAIN OF CUSTODY RECORD

STATE WHERE SAMPLE COLLECTED

ALL HIGHLIGHTED AREAS MUST BE COMPLETED BY CLIENT (PLEASE PRINT)

[illegible]