

ANALYTICAL REPORT

Eurofins TestAmerica, Sacramento
880 Riverside Parkway
West Sacramento, CA 95605
Tel: (916)373-5600

Laboratory Job ID: 320-77153-1

Client Project/Site: Stewart ANG Base #336089 Kroll Well

For:

New York State D.E.C.
625 Broadway
12th Floor
Albany, New York 12233-7017

Attn: Mr. Dave Chiusano



Authorized for release by:
8/16/2021 11:26:28 AM

Judy Stone, Senior Project Manager
(484)685-0868
Judy.Stone@Eurofinset.com

LINKS

Review your project
results through
TotalAccess

Have a Question?



Visit us at:

www.eurofinsus.com/Env

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.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed within the body of this report. Release of the data contained in this sample data package and in the electronic data deliverable has been authorized by the Laboratory Manager or his/her designee, as verified by the following signature.



Judy Stone
Senior Project Manager
8/16/2021 11:26:28 AM

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15



Table of Contents

Cover Page	1
Table of Contents	3
Definitions/Glossary	4
Case Narrative	5
Detection Summary	6
Client Sample Results	7
Isotope Dilution Summary	17
QC Sample Results	19
QC Association Summary	25
Lab Chronicle	26
Certification Summary	28
Method Summary	29
Sample Summary	30
Chain of Custody	31
Receipt Checklists	32

Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Qualifiers

LCMS

Qualifier	Qualifier Description
I	Value is EMPC (estimated maximum possible concentration).

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

Case Narrative

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Job ID: 320-77153-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-77153-1

Comments

No additional comments.

Receipt

The samples were received on 8/4/2021 10:00 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 1.1° C.

LCMS

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty, and the reported value may have some high bias. However, analyst judgement was used to positively identify the analyte. A-25 (320-77153-5)

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

Organic Prep

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



Detection Summary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: Influent

Lab Sample ID: 320-77153-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.4		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.5		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.0		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	7.0		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	5.3		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.0		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: Mid point

Lab Sample ID: 320-77153-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.1		4.6		ng/L	1		537 (modified)	Total/NA

Client Sample ID: Effluent

Lab Sample ID: 320-77153-3

No Detections.

Client Sample ID: Duplicate

Lab Sample ID: 320-77153-4

No Detections.

Client Sample ID: A-25

Lab Sample ID: 320-77153-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.5		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.3		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.9		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	4.5		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.3	I	1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: A-50

Lab Sample ID: 320-77153-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.7		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.4		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: A-75

Lab Sample ID: 320-77153-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.1		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: B-25

Lab Sample ID: 320-77153-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.2		4.6		ng/L	1		537 (modified)	Total/NA

Client Sample ID: B-50

Lab Sample ID: 320-77153-9

No Detections.

Client Sample ID: B-75

Lab Sample ID: 320-77153-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: Influent

Lab Sample ID: 320-77153-1

Date Collected: 08/03/21 11:22

Matrix: Water

Date Received: 08/04/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluoropentanoic acid (PFPeA)	2.4		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorohexanoic acid (PFHxA)	2.5		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluoroheptanoic acid (PFHpA)	2.0		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorooctanoic acid (PFOA)	7.0		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorobutanesulfonic acid (PFBS)	5.3		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorooctanesulfonic acid (PFOS)	8.0		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:11	1
6:2 FTS	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:11	1
8:2 FTS	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C5 PFPeA	93		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C2 PFHxA	92		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C4 PFHpA	100		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C4 PFOA	97		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C5 PFNA	95		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C2 PFDA	100		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C2 PFUnA	99		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C2 PFDoA	99		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C2 PFTeDA	99		25 - 150	08/06/21 05:02	08/08/21 20:11	1
18O2 PFHxS	83		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C4 PFOS	78		25 - 150	08/06/21 05:02	08/08/21 20:11	1
13C8 FOSA	88		25 - 150	08/06/21 05:02	08/08/21 20:11	1
d3-NMeFOSAA	75		25 - 150	08/06/21 05:02	08/08/21 20:11	1
d5-NEtFOSAA	96		25 - 150	08/06/21 05:02	08/08/21 20:11	1
M2-6:2 FTS	77		25 - 150	08/06/21 05:02	08/08/21 20:11	1
M2-8:2 FTS	70		25 - 150	08/06/21 05:02	08/08/21 20:11	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: Mid point

Lab Sample ID: 320-77153-2

Date Collected: 08/03/21 11:02

Matrix: Water

Date Received: 08/04/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.1		4.6		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:20	1
6:2 FTS	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:20	1
8:2 FTS	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C5 PFPeA	88		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C2 PFHxA	89		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C4 PFHpA	98		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C4 PFOA	98		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C5 PFNA	89		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C2 PFDA	92		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C2 PFUnA	93		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C2 PFDoA	96		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C2 PFTeA	96		25 - 150	08/06/21 05:02	08/08/21 20:20	1
18O2 PFHxS	85		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C4 PFOS	77		25 - 150	08/06/21 05:02	08/08/21 20:20	1
13C8 FOSA	84		25 - 150	08/06/21 05:02	08/08/21 20:20	1
d3-NMeFOSAA	71		25 - 150	08/06/21 05:02	08/08/21 20:20	1
d5-NEtFOSAA	84		25 - 150	08/06/21 05:02	08/08/21 20:20	1
M2-6:2 FTS	68		25 - 150	08/06/21 05:02	08/08/21 20:20	1
M2-8:2 FTS	65		25 - 150	08/06/21 05:02	08/08/21 20:20	1

Client Sample ID: Effluent

Lab Sample ID: 320-77153-3

Date Collected: 08/03/21 10:40

Matrix: Water

Date Received: 08/04/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:29	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: Effluent

Lab Sample ID: 320-77153-3

Date Collected: 08/03/21 10:40

Matrix: Water

Date Received: 08/04/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:29	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:29	1
6:2 FTS	ND		4.6		ng/L		08/06/21 05:02	08/08/21 20:29	1
8:2 FTS	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:29	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C5 PFPeA	84		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C2 PFHxA	84		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C4 PFHpA	103		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C4 PFOA	101		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C5 PFNA	92		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C2 PFDA	92		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C2 PFUnA	87		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C2 PFDoA	89		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C2 PFTeDA	90		25 - 150				08/06/21 05:02	08/08/21 20:29	1
18O2 PFHxS	85		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C4 PFOS	73		25 - 150				08/06/21 05:02	08/08/21 20:29	1
13C8 FOSA	84		25 - 150				08/06/21 05:02	08/08/21 20:29	1
d3-NMeFOSAA	68		25 - 150				08/06/21 05:02	08/08/21 20:29	1
d5-NEtFOSAA	80		25 - 150				08/06/21 05:02	08/08/21 20:29	1
M2-6:2 FTS	70		25 - 150				08/06/21 05:02	08/08/21 20:29	1
M2-8:2 FTS	62		25 - 150				08/06/21 05:02	08/08/21 20:29	1

Client Sample ID: Duplicate

Lab Sample ID: 320-77153-4

Date Collected: 08/03/21 00:00

Matrix: Water

Date Received: 08/04/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.5		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: Duplicate

Lab Sample ID: 320-77153-4

Date Collected: 08/03/21 00:00

Matrix: Water

Date Received: 08/04/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5		ng/L		08/06/21 05:02	08/08/21 20:57	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5		ng/L		08/06/21 05:02	08/08/21 20:57	1
6:2 FTS	ND		4.5		ng/L		08/06/21 05:02	08/08/21 20:57	1
8:2 FTS	ND		1.8		ng/L		08/06/21 05:02	08/08/21 20:57	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C5 PFPeA	84		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C2 PFHxA	84		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C4 PFHpA	96		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C4 PFOA	97		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C5 PFNA	85		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C2 PFDA	89		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C2 PFUnA	82		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C2 PFDoA	90		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C2 PFTeDA	92		25 - 150	08/06/21 05:02	08/08/21 20:57	1
18O2 PFHxS	87		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C4 PFOS	76		25 - 150	08/06/21 05:02	08/08/21 20:57	1
13C8 FOSA	86		25 - 150	08/06/21 05:02	08/08/21 20:57	1
d3-NMeFOSAA	67		25 - 150	08/06/21 05:02	08/08/21 20:57	1
d5-NEtFOSAA	78		25 - 150	08/06/21 05:02	08/08/21 20:57	1
M2-6:2 FTS	63		25 - 150	08/06/21 05:02	08/08/21 20:57	1
M2-8:2 FTS	57		25 - 150	08/06/21 05:02	08/08/21 20:57	1

Client Sample ID: A-25

Lab Sample ID: 320-77153-5

Date Collected: 08/03/21 11:17

Matrix: Water

Date Received: 08/04/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluoropentanoic acid (PFPeA)	2.5		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorohexanoic acid (PFHxA)	2.3		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: A-25

Lab Sample ID: 320-77153-5

Date Collected: 08/03/21 11:17

Matrix: Water

Date Received: 08/04/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorooctanoic acid (PFOA)	4.9		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorobutanesulfonic acid (PFBS)	4.5		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorooctanesulfonic acid (PFOS)	4.3	I	1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:06	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:06	1
6:2 FTS	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:06	1
8:2 FTS	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:06	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	86		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C5 PFPeA	92		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C2 PFHxA	90		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C4 PFHpA	103		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C4 PFOA	96		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C5 PFNA	89		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C2 PFDA	103		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C2 PFUnA	104		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C2 PFDoA	107		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C2 PFTeDA	99		25 - 150				08/06/21 05:02	08/08/21 21:06	1
18O2 PFHxS	84		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C4 PFOS	81		25 - 150				08/06/21 05:02	08/08/21 21:06	1
13C8 FOSA	87		25 - 150				08/06/21 05:02	08/08/21 21:06	1
d3-NMeFOSAA	72		25 - 150				08/06/21 05:02	08/08/21 21:06	1
d5-NEtFOSAA	85		25 - 150				08/06/21 05:02	08/08/21 21:06	1
M2-6:2 FTS	70		25 - 150				08/06/21 05:02	08/08/21 21:06	1
M2-8:2 FTS	65		25 - 150				08/06/21 05:02	08/08/21 21:06	1

Client Sample ID: A-50

Lab Sample ID: 320-77153-6

Date Collected: 08/03/21 11:12

Matrix: Water

Date Received: 08/04/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluoropentanoic acid (PFPeA)	2.7		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: A-50

Lab Sample ID: 320-77153-6

Date Collected: 08/03/21 11:12

Matrix: Water

Date Received: 08/04/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorobutanesulfonic acid (PFBS)	2.4		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:15	1
6:2 FTS	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:15	1
8:2 FTS	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:15	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C5 PFPeA	86		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C2 PFHxA	88		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C4 PFHpA	105		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C4 PFOA	102		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C5 PFNA	93		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C2 PFDA	97		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C2 PFUnA	96		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C2 PFDoA	100		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C2 PFTeDA	97		25 - 150	08/06/21 05:02	08/08/21 21:15	1
18O2 PFHxS	86		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C4 PFOS	77		25 - 150	08/06/21 05:02	08/08/21 21:15	1
13C8 FOSA	88		25 - 150	08/06/21 05:02	08/08/21 21:15	1
d3-NMeFOSAA	68		25 - 150	08/06/21 05:02	08/08/21 21:15	1
d5-NEtFOSAA	82		25 - 150	08/06/21 05:02	08/08/21 21:15	1
M2-6:2 FTS	62		25 - 150	08/06/21 05:02	08/08/21 21:15	1
M2-8:2 FTS	63		25 - 150	08/06/21 05:02	08/08/21 21:15	1

Client Sample ID: A-75

Lab Sample ID: 320-77153-7

Date Collected: 08/03/21 11:07

Matrix: Water

Date Received: 08/04/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluoropentanoic acid (PFPeA)	2.1		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1

Eurolins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: A-75

Lab Sample ID: 320-77153-7

Date Collected: 08/03/21 11:07

Matrix: Water

Date Received: 08/04/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:24	1
6:2 FTS	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:24	1
8:2 FTS	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C5 PFPeA	88		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C2 PFHxA	93		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C4 PFHpA	110		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C4 PFOA	96		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C5 PFNA	86		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C2 PFDA	99		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C2 PFUnA	88		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C2 PFDoA	95		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C2 PFTeDA	94		25 - 150	08/06/21 05:02	08/08/21 21:24	1
18O2 PFHxS	90		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C4 PFOS	78		25 - 150	08/06/21 05:02	08/08/21 21:24	1
13C8 FOSA	87		25 - 150	08/06/21 05:02	08/08/21 21:24	1
d3-NMeFOSAA	75		25 - 150	08/06/21 05:02	08/08/21 21:24	1
d5-NEtFOSAA	81		25 - 150	08/06/21 05:02	08/08/21 21:24	1
M2-6:2 FTS	65		25 - 150	08/06/21 05:02	08/08/21 21:24	1
M2-8:2 FTS	64		25 - 150	08/06/21 05:02	08/08/21 21:24	1

Client Sample ID: B-25

Lab Sample ID: 320-77153-8

Date Collected: 08/03/21 10:57

Matrix: Water

Date Received: 08/04/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.2		4.6		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: B-25

Lab Sample ID: 320-77153-8

Date Collected: 08/03/21 10:57

Matrix: Water

Date Received: 08/04/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:33	1
6:2 FTS	ND		4.6		ng/L		08/06/21 05:02	08/08/21 21:33	1
8:2 FTS	ND		1.8		ng/L		08/06/21 05:02	08/08/21 21:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C5 PFPeA	93		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C2 PFHxA	91		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C4 PFHpA	109		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C4 PFOA	107		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C5 PFNA	92		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C2 PFDA	102		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C2 PFUnA	96		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C2 PFDoA	94		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C2 PFTeDA	100		25 - 150				08/06/21 05:02	08/08/21 21:33	1
18O2 PFHxS	95		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C4 PFOS	83		25 - 150				08/06/21 05:02	08/08/21 21:33	1
13C8 FOSA	89		25 - 150				08/06/21 05:02	08/08/21 21:33	1
d3-NMeFOSAA	76		25 - 150				08/06/21 05:02	08/08/21 21:33	1
d5-NEtFOSAA	85		25 - 150				08/06/21 05:02	08/08/21 21:33	1
M2-6:2 FTS	67		25 - 150				08/06/21 05:02	08/08/21 21:33	1
M2-8:2 FTS	68		25 - 150				08/06/21 05:02	08/08/21 21:33	1

Client Sample ID: B-50

Lab Sample ID: 320-77153-9

Date Collected: 08/03/21 10:52

Matrix: Water

Date Received: 08/04/21 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: B-50
Date Collected: 08/03/21 10:52
Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-9
Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 22:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 22:01	1
6:2 FTS	ND		4.6		ng/L		08/06/21 05:02	08/08/21 22:01	1
8:2 FTS	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:01	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	94		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C5 PFPeA	95		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C2 PFHxA	93		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C4 PFHpA	114		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C4 PFOA	104		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C5 PFNA	99		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C2 PFDA	96		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C2 PFUnA	97		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C2 PFDoA	97		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C2 PFTeDA	100		25 - 150	08/06/21 05:02	08/08/21 22:01	1
18O2 PFHxS	87		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C4 PFOS	82		25 - 150	08/06/21 05:02	08/08/21 22:01	1
13C8 FOSA	91		25 - 150	08/06/21 05:02	08/08/21 22:01	1
d3-NMeFOSAA	72		25 - 150	08/06/21 05:02	08/08/21 22:01	1
d5-NEtFOSAA	85		25 - 150	08/06/21 05:02	08/08/21 22:01	1
M2-6:2 FTS	68		25 - 150	08/06/21 05:02	08/08/21 22:01	1
M2-8:2 FTS	69		25 - 150	08/06/21 05:02	08/08/21 22:01	1

Client Sample ID: B-75
Date Collected: 08/03/21 10:47
Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-10
Matrix: Water

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: B-75

Lab Sample ID: 320-77153-10

Date Collected: 08/03/21 10:47

Matrix: Water

Date Received: 08/04/21 10:00

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 22:10	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		08/06/21 05:02	08/08/21 22:10	1
6:2 FTS	ND		4.6		ng/L		08/06/21 05:02	08/08/21 22:10	1
8:2 FTS	ND		1.8		ng/L		08/06/21 05:02	08/08/21 22:10	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C5 PFPeA	90		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C2 PFHxA	92		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C4 PFHpA	106		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C4 PFOA	95		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C5 PFNA	91		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C2 PFDA	91		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C2 PFUnA	93		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C2 PFDoA	105		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C2 PFTeDA	94		25 - 150				08/06/21 05:02	08/08/21 22:10	1
18O2 PFHxS	86		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C4 PFOS	80		25 - 150				08/06/21 05:02	08/08/21 22:10	1
13C8 FOSA	89		25 - 150				08/06/21 05:02	08/08/21 22:10	1
d3-NMeFOSAA	71		25 - 150				08/06/21 05:02	08/08/21 22:10	1
d5-NEtFOSAA	89		25 - 150				08/06/21 05:02	08/08/21 22:10	1
M2-6:2 FTS	64		25 - 150				08/06/21 05:02	08/08/21 22:10	1
M2-8:2 FTS	66		25 - 150				08/06/21 05:02	08/08/21 22:10	1

Isotope Dilution Summary

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-77153-1	Influent	82	93	92	100	97	95	100	99
320-77153-2	Mid point	88	88	89	98	98	89	92	93
320-77153-3	Effluent	85	84	84	103	101	92	92	87
320-77153-3 MS	Effluent	87	84	88	101	100	83	97	89
320-77153-3 MSD	Effluent	92	95	100	105	101	88	101	106
320-77153-4	Duplicate	85	84	84	96	97	85	89	82
320-77153-5	A-25	86	92	90	103	96	89	103	104
320-77153-6	A-50	87	86	88	105	102	93	97	96
320-77153-7	A-75	88	88	93	110	96	86	99	88
320-77153-8	B-25	90	93	91	109	107	92	102	96
320-77153-9	B-50	94	95	93	114	104	99	96	97
320-77153-10	B-75	87	90	92	106	95	91	91	93
LCS 320-513582/2-A	Lab Control Sample	86	89	94	106	98	97	105	98
LCSD 320-513582/3-A	Lab Control Sample Dup	87	95	95	103	95	96	100	98
MB 320-513582/1-A	Method Blank	90	90	98	103	99	94	103	95

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA (25-150)	PFTDA (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)	M262FTS (25-150)
320-77153-1	Influent	99	99	83	78	88	75	96	77
320-77153-2	Mid point	96	96	85	77	84	71	84	68
320-77153-3	Effluent	89	90	85	73	84	68	80	70
320-77153-3 MS	Effluent	90	96	85	79	87	69	85	67
320-77153-3 MSD	Effluent	98	100	90	84	90	80	83	68
320-77153-4	Duplicate	90	92	87	76	86	67	78	63
320-77153-5	A-25	107	99	84	81	87	72	85	70
320-77153-6	A-50	100	97	86	77	88	68	82	62
320-77153-7	A-75	95	94	90	78	87	75	81	65
320-77153-8	B-25	94	100	95	83	89	76	85	67
320-77153-9	B-50	97	100	87	82	91	72	85	68
320-77153-10	B-75	105	94	86	80	89	71	89	64
LCS 320-513582/2-A	Lab Control Sample	91	102	86	83	85	82	90	91
LCSD 320-513582/3-A	Lab Control Sample Dup	100	106	91	84	88	86	93	96
MB 320-513582/1-A	Method Blank	97	104	88	79	88	84	95	98

Lab Sample ID	Client Sample ID	M282FTS
		(25-150)
320-77153-1	Influent	70
320-77153-2	Mid point	65
320-77153-3	Effluent	62
320-77153-3 MS	Effluent	60
320-77153-3 MSD	Effluent	65
320-77153-4	Duplicate	57
320-77153-5	A-25	65
320-77153-6	A-50	63
320-77153-7	A-75	64
320-77153-8	B-25	68
320-77153-9	B-50	69
320-77153-10	B-75	66
LCS 320-513582/2-A	Lab Control Sample	90

Eurofins TestAmerica, Sacramento

Isotope Dilution Summary

Client: New York State D.E.C.

Job ID: 320-77153-1

Project/Site: Stewart ANG Base #336089 Kroll Well

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	M282FTS (25-150)
LCSD 320-513582/3-A	Lab Control Sample Dup	90
MB 320-513582/1-A	Method Blank	92

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
PFHxS = 18O2 PFHxS
PFOS = 13C4 PFOS
PFOSA = 13C8 FOSA
d3NMFOS = d3-NMeFOSAA
d5NEFOS = d5-NEtFOSAA
M262FTS = M2-6:2 FTS
M282FTS = M2-8:2 FTS

QC Sample Results

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-513582/1-A
Matrix: Water
Analysis Batch: 514511

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 513582

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	ND		5.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
6:2 FTS	ND		5.0		ng/L		08/06/21 05:02	08/08/21 18:22	1
8:2 FTS	ND		2.0		ng/L		08/06/21 05:02	08/08/21 18:22	1

Isotope Dilution	MB	MB	Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C4 PFBA	90		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C5 PFPeA	90		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C2 PFHxA	98		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C4 PFHpA	103		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C4 PFOA	99		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C5 PFNA	94		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C2 PFDA	103		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C2 PFUnA	95		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C2 PFDoA	97		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C2 PFTeDA	104		25 - 150	08/06/21 05:02	08/08/21 18:22	1
18O2 PFHxS	88		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C4 PFOS	79		25 - 150	08/06/21 05:02	08/08/21 18:22	1
13C8 FOSA	88		25 - 150	08/06/21 05:02	08/08/21 18:22	1
d3-NMeFOSAA	84		25 - 150	08/06/21 05:02	08/08/21 18:22	1
d5-NEtFOSAA	95		25 - 150	08/06/21 05:02	08/08/21 18:22	1
M2-6:2 FTS	98		25 - 150	08/06/21 05:02	08/08/21 18:22	1
M2-8:2 FTS	92		25 - 150	08/06/21 05:02	08/08/21 18:22	1

QC Sample Results

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

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

Lab Sample ID: LCS 320-513582/2-A
Matrix: Water
Analysis Batch: 514511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513582

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	40.0	44.6		ng/L		111	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	40.9		ng/L		102	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	39.8		ng/L		99	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	39.4		ng/L		98	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	40.1		ng/L		100	70 - 130
Perfluorononanoic acid (PFNA)	40.0	42.0		ng/L		105	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	36.9		ng/L		92	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	43.3		ng/L		108	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	40.8		ng/L		102	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	41.0		ng/L		103	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	41.7		ng/L		104	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	40.1		ng/L		113	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.4	37.2		ng/L		102	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	41.3		ng/L		108	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.1	38.4		ng/L		104	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	43.0		ng/L		111	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	39.6		ng/L		99	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	48.8		ng/L		122	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	43.2		ng/L		108	76 - 136
6:2 FTS	37.9	35.2		ng/L		93	59 - 175
8:2 FTS	38.3	36.7		ng/L		96	75 - 135

Isotope Dilution	LCS LCS		Limits
	%Recovery	Qualifier	
13C4 PFBA	86		25 - 150
13C5 PFPeA	89		25 - 150
13C2 PFHxA	94		25 - 150
13C4 PFHpA	106		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	97		25 - 150
13C2 PFDA	105		25 - 150
13C2 PFUnA	98		25 - 150
13C2 PFDoA	91		25 - 150
13C2 PFTeDA	102		25 - 150
18O2 PFHxS	86		25 - 150
13C4 PFOS	83		25 - 150
13C8 FOSA	85		25 - 150
d3-NMeFOSAA	82		25 - 150
d5-NEtFOSAA	90		25 - 150
M2-6:2 FTS	91		25 - 150

QC Sample Results

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

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

Lab Sample ID: LCS 320-513582/2-A
Matrix: Water
Analysis Batch: 514511

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 513582

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
M2-8:2 FTS	90		25 - 150

Lab Sample ID: LCSD 320-513582/3-A
Matrix: Water
Analysis Batch: 514511

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513582

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	44.8		ng/L		112	76 - 136	0	30
Perfluoropentanoic acid (PFPeA)	40.0	41.1		ng/L		103	71 - 131	1	30
Perfluorohexanoic acid (PFHxA)	40.0	40.6		ng/L		101	73 - 133	2	30
Perfluoroheptanoic acid (PFHpA)	40.0	40.4		ng/L		101	72 - 132	3	30
Perfluorooctanoic acid (PFOA)	40.0	43.7		ng/L		109	70 - 130	8	30
Perfluorononanoic acid (PFNA)	40.0	40.4		ng/L		101	75 - 135	4	30
Perfluorodecanoic acid (PFDA)	40.0	40.0		ng/L		100	76 - 136	8	30
Perfluoroundecanoic acid (PFUnA)	40.0	43.8		ng/L		109	68 - 128	1	30
Perfluorododecanoic acid (PFDoA)	40.0	40.7		ng/L		102	71 - 131	0	30
Perfluorotridecanoic acid (PFTriA)	40.0	39.1		ng/L		98	71 - 131	5	30
Perfluorotetradecanoic acid (PFTeA)	40.0	42.9		ng/L		107	70 - 130	3	30
Perfluorobutanesulfonic acid (PFBS)	35.4	40.7		ng/L		115	67 - 127	1	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.6		ng/L		98	59 - 119	5	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	43.7		ng/L		115	76 - 136	6	30
Perfluorooctanesulfonic acid (PFOS)	37.1	39.8		ng/L		107	70 - 130	3	30
Perfluorodecanesulfonic acid (PFDS)	38.6	43.0		ng/L		111	71 - 131	0	30
Perfluorooctanesulfonamide (FOSA)	40.0	39.9		ng/L		100	73 - 133	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	47.7		ng/L		119	76 - 136	2	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	42.1		ng/L		105	76 - 136	2	30
6:2 FTS	37.9	35.1		ng/L		93	59 - 175	0	30
8:2 FTS	38.3	39.0		ng/L		102	75 - 135	6	30

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>
13C4 PFBA	87		25 - 150
13C5 PFPeA	95		25 - 150
13C2 PFHxA	95		25 - 150
13C4 PFHpA	103		25 - 150
13C4 PFOA	95		25 - 150
13C5 PFNA	96		25 - 150
13C2 PFDA	100		25 - 150
13C2 PFUnA	98		25 - 150
13C2 PFDoA	100		25 - 150
13C2 PFTeDA	106		25 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

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

Lab Sample ID: LCSD 320-513582/3-A
Matrix: Water
Analysis Batch: 514511

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 513582

<i>Isotope Dilution</i>	<i>LCSD LCSD</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
18O2 PFHxS	91		25 - 150
13C4 PFOS	84		25 - 150
13C8 FOSA	88		25 - 150
d3-NMeFOSAA	86		25 - 150
d5-NEtFOSAA	93		25 - 150
M2-6:2 FTS	96		25 - 150
M2-8:2 FTS	90		25 - 150

Lab Sample ID: 320-77153-3 MS
Matrix: Water
Analysis Batch: 514511

Client Sample ID: Effluent
Prep Type: Total/NA
Prep Batch: 513582

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MS MS</i>		<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>
				<i>Result</i>	<i>Qualifier</i>				
Perfluorobutanoic acid (PFBA)	ND		37.2	41.6		ng/L		112	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		37.2	39.7		ng/L		106	71 - 131
Perfluorohexanoic acid (PFHxA)	ND		37.2	39.1		ng/L		105	73 - 133
Perfluoroheptanoic acid (PFHpA)	ND		37.2	35.8		ng/L		96	72 - 132
Perfluorooctanoic acid (PFOA)	ND		37.2	34.1		ng/L		92	70 - 130
Perfluorononanoic acid (PFNA)	ND		37.2	39.7		ng/L		107	75 - 135
Perfluorodecanoic acid (PFDA)	ND		37.2	35.7		ng/L		96	76 - 136
Perfluoroundecanoic acid (PFUnA)	ND		37.2	41.5		ng/L		111	68 - 128
Perfluorododecanoic acid (PFDoA)	ND		37.2	33.3		ng/L		89	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		37.2	35.0		ng/L		94	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		37.2	38.2		ng/L		102	70 - 130
Perfluorobutanesulfonic acid (PFBS)	ND		32.9	37.6		ng/L		114	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	ND		33.9	33.2		ng/L		98	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	ND		35.5	39.4		ng/L		111	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		34.6	36.2		ng/L		105	70 - 130
Perfluorodecanesulfonic acid (PFDS)	ND		35.9	38.1		ng/L		106	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		37.2	34.3		ng/L		92	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		37.2	44.7		ng/L		120	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		37.2	39.7		ng/L		107	76 - 136
6:2 FTS	ND		35.3	32.0		ng/L		91	59 - 175
8:2 FTS	ND		35.7	34.4		ng/L		96	75 - 135
<i>Isotope Dilution</i>	<i>MS MS</i>		<i>Limits</i>						
<i>%Recovery</i>	<i>Qualifier</i>								
13C4 PFBA	87		25 - 150						
13C5 PFPeA	84		25 - 150						
13C2 PFHxA	88		25 - 150						
13C4 PFHpA	101		25 - 150						

QC Sample Results

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

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

Lab Sample ID: 320-77153-3 MS
Matrix: Water
Analysis Batch: 514511

Client Sample ID: Effluent
Prep Type: Total/NA
Prep Batch: 513582

<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>MS MS Qualifier</i>	<i>Limits</i>
13C4 PFOA	100		25 - 150
13C5 PFNA	83		25 - 150
13C2 PFDA	97		25 - 150
13C2 PFUnA	89		25 - 150
13C2 PFDoA	90		25 - 150
13C2 PFTeDA	96		25 - 150
18O2 PFHxS	85		25 - 150
13C4 PFOS	79		25 - 150
13C8 FOSA	87		25 - 150
d3-NMeFOSAA	69		25 - 150
d5-NEtFOSAA	85		25 - 150
M2-6:2 FTS	67		25 - 150
M2-8:2 FTS	60		25 - 150

Lab Sample ID: 320-77153-3 MSD
Matrix: Water
Analysis Batch: 514511

Client Sample ID: Effluent
Prep Type: Total/NA
Prep Batch: 513582

<i>Analyte</i>	<i>Sample Result</i>	<i>Sample Qualifier</i>	<i>Spike Added</i>	<i>MSD Result</i>	<i>MSD Qualifier</i>	<i>Unit</i>	<i>D</i>	<i>%Rec</i>	<i>%Rec. Limits</i>	<i>RPD</i>	<i>RPD Limit</i>
Perfluorobutanoic acid (PFBA)	ND		37.2	41.5		ng/L		111	76 - 136	0	30
Perfluoropentanoic acid (PFPeA)	ND		37.2	37.5		ng/L		101	71 - 131	6	30
Perfluorohexanoic acid (PFHxA)	ND		37.2	36.7		ng/L		99	73 - 133	6	30
Perfluoroheptanoic acid (PFHpA)	ND		37.2	37.3		ng/L		100	72 - 132	4	30
Perfluorooctanoic acid (PFOA)	ND		37.2	38.4		ng/L		103	70 - 130	12	30
Perfluorononanoic acid (PFNA)	ND		37.2	41.0		ng/L		110	75 - 135	3	30
Perfluorodecanoic acid (PFDA)	ND		37.2	36.6		ng/L		98	76 - 136	2	30
Perfluoroundecanoic acid (PFUnA)	ND		37.2	38.3		ng/L		103	68 - 128	8	30
Perfluorododecanoic acid (PFDoA)	ND		37.2	34.5		ng/L		93	71 - 131	3	30
Perfluorotridecanoic acid (PFTriA)	ND		37.2	37.7		ng/L		101	71 - 131	7	30
Perfluorotetradecanoic acid (PFTeA)	ND		37.2	39.5		ng/L		106	70 - 130	4	30
Perfluorobutanesulfonic acid (PFBS)	ND		32.9	38.5		ng/L		117	67 - 127	2	30
Perfluorohexanesulfonic acid (PFHxS)	ND		33.9	34.3		ng/L		101	59 - 119	3	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		35.4	39.5		ng/L		111	76 - 136	0	30
Perfluorooctanesulfonic acid (PFOS)	ND		34.5	36.4		ng/L		105	70 - 130	0	30
Perfluorodecanesulfonic acid (PFDS)	ND		35.9	37.6		ng/L		105	71 - 131	1	30
Perfluorooctanesulfonamide (FOSA)	ND		37.2	37.0		ng/L		99	73 - 133	7	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		37.2	40.1		ng/L		108	76 - 136	11	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		37.2	41.3		ng/L		111	76 - 136	4	30
6:2 FTS	ND		35.3	32.8		ng/L		93	59 - 175	3	30
8:2 FTS	ND		35.7	34.6		ng/L		97	75 - 135	0	30

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

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

<i>Isotope Dilution</i>	<i>MSD MSD</i>		<i>Limits</i>
	<i>%Recovery</i>	<i>Qualifier</i>	
13C4 PFBA	92		25 - 150
13C5 PFPeA	95		25 - 150
13C2 PFHxA	100		25 - 150
13C4 PFHpA	105		25 - 150
13C4 PFOA	101		25 - 150
13C5 PFNA	88		25 - 150
13C2 PFDA	101		25 - 150
13C2 PFUnA	106		25 - 150
13C2 PFDoA	98		25 - 150
13C2 PFTeDA	100		25 - 150
18O2 PFHxS	90		25 - 150
13C4 PFOS	84		25 - 150
13C8 FOSA	90		25 - 150
d3-NMeFOSAA	80		25 - 150
d5-NEtFOSAA	83		25 - 150
M2-6:2 FTS	68		25 - 150
M2-8:2 FTS	65		25 - 150



QC Association Summary

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

LCMS

Prep Batch: 513582

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-77153-1	Influent	Total/NA	Water	3535	
320-77153-2	Mid point	Total/NA	Water	3535	
320-77153-3	Effluent	Total/NA	Water	3535	
320-77153-4	Duplicate	Total/NA	Water	3535	
320-77153-5	A-25	Total/NA	Water	3535	
320-77153-6	A-50	Total/NA	Water	3535	
320-77153-7	A-75	Total/NA	Water	3535	
320-77153-8	B-25	Total/NA	Water	3535	
320-77153-9	B-50	Total/NA	Water	3535	
320-77153-10	B-75	Total/NA	Water	3535	
MB 320-513582/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-513582/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-513582/3-A	Lab Control Sample Dup	Total/NA	Water	3535	
320-77153-3 MS	Effluent	Total/NA	Water	3535	
320-77153-3 MSD	Effluent	Total/NA	Water	3535	

Analysis Batch: 514511

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-77153-1	Influent	Total/NA	Water	537 (modified)	513582
320-77153-2	Mid point	Total/NA	Water	537 (modified)	513582
320-77153-3	Effluent	Total/NA	Water	537 (modified)	513582
320-77153-4	Duplicate	Total/NA	Water	537 (modified)	513582
320-77153-5	A-25	Total/NA	Water	537 (modified)	513582
320-77153-6	A-50	Total/NA	Water	537 (modified)	513582
320-77153-7	A-75	Total/NA	Water	537 (modified)	513582
320-77153-8	B-25	Total/NA	Water	537 (modified)	513582
320-77153-9	B-50	Total/NA	Water	537 (modified)	513582
320-77153-10	B-75	Total/NA	Water	537 (modified)	513582
MB 320-513582/1-A	Method Blank	Total/NA	Water	537 (modified)	513582
LCS 320-513582/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	513582
LCSD 320-513582/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	513582
320-77153-3 MS	Effluent	Total/NA	Water	537 (modified)	513582
320-77153-3 MSD	Effluent	Total/NA	Water	537 (modified)	513582

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: Influent

Date Collected: 08/03/21 11:22

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			272.5 mL	10.0 mL	513582	08/06/21 05:02	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			514511	08/08/21 20:11	S1M	TAL SAC

Client Sample ID: Mid point

Date Collected: 08/03/21 11:02

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			272.3 mL	10.0 mL	513582	08/06/21 05:02	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			514511	08/08/21 20:20	S1M	TAL SAC

Client Sample ID: Effluent

Date Collected: 08/03/21 10:40

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			271.9 mL	10.0 mL	513582	08/06/21 05:02	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			514511	08/08/21 20:29	S1M	TAL SAC

Client Sample ID: Duplicate

Date Collected: 08/03/21 00:00

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			277.2 mL	10.0 mL	513582	08/06/21 05:02	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			514511	08/08/21 20:57	S1M	TAL SAC

Client Sample ID: A-25

Date Collected: 08/03/21 11:17

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			270.6 mL	10.0 mL	513582	08/06/21 05:02	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			514511	08/08/21 21:06	S1M	TAL SAC

Client Sample ID: A-50

Date Collected: 08/03/21 11:12

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			272.8 mL	10.0 mL	513582	08/06/21 05:02	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			514511	08/08/21 21:15	S1M	TAL SAC

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Client Sample ID: A-75

Date Collected: 08/03/21 11:07

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			272.9 mL	10.0 mL	513582	08/06/21 05:02	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			514511	08/08/21 21:24	S1M	TAL SAC

Client Sample ID: B-25

Date Collected: 08/03/21 10:57

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			272.6 mL	10.0 mL	513582	08/06/21 05:02	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			514511	08/08/21 21:33	S1M	TAL SAC

Client Sample ID: B-50

Date Collected: 08/03/21 10:52

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			270.5 mL	10.0 mL	513582	08/06/21 05:02	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			514511	08/08/21 22:01	S1M	TAL SAC

Client Sample ID: B-75

Date Collected: 08/03/21 10:47

Date Received: 08/04/21 10:00

Lab Sample ID: 320-77153-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			272.4 mL	10.0 mL	513582	08/06/21 05:02	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			514511	08/08/21 22:10	S1M	TAL SAC

Laboratory References:

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

Accreditation/Certification Summary

Client: New York State D.E.C.
 Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Laboratory: Eurofins TestAmerica, Sacramento

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11666	04-01-22

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
537 (modified)	3535	Water	6:2 FTS
537 (modified)	3535	Water	8:2 FTS
537 (modified)	3535	Water	N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)
537 (modified)	3535	Water	N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)
537 (modified)	3535	Water	Perfluorobutanesulfonic acid (PFBS)
537 (modified)	3535	Water	Perfluorobutanoic acid (PFBA)
537 (modified)	3535	Water	Perfluorodecanesulfonic acid (PFDS)
537 (modified)	3535	Water	Perfluorodecanoic acid (PFDA)
537 (modified)	3535	Water	Perfluorododecanoic acid (PFDoA)
537 (modified)	3535	Water	Perfluoroheptanesulfonic Acid (PFHpS)
537 (modified)	3535	Water	Perfluoroheptanoic acid (PFHpA)
537 (modified)	3535	Water	Perfluorohexanesulfonic acid (PFHxS)
537 (modified)	3535	Water	Perfluorohexanoic acid (PFHxA)
537 (modified)	3535	Water	Perfluorononanoic acid (PFNA)
537 (modified)	3535	Water	Perfluorooctanesulfonamide (FOSA)
537 (modified)	3535	Water	Perfluorooctanesulfonic acid (PFOS)
537 (modified)	3535	Water	Perfluorooctanoic acid (PFOA)
537 (modified)	3535	Water	Perfluoropentanoic acid (PFPeA)
537 (modified)	3535	Water	Perfluorotetradecanoic acid (PFTeA)
537 (modified)	3535	Water	Perfluorotridecanoic acid (PFTriA)
537 (modified)	3535	Water	Perfluoroundecanoic acid (PFUnA)

Method Summary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

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



Sample Summary

Client: New York State D.E.C.
Project/Site: Stewart ANG Base #336089 Kroll Well

Job ID: 320-77153-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
320-77153-1	Influent	Water	08/03/21 11:22	08/04/21 10:00
320-77153-2	Mid point	Water	08/03/21 11:02	08/04/21 10:00
320-77153-3	Effluent	Water	08/03/21 10:40	08/04/21 10:00
320-77153-4	Duplicate	Water	08/03/21 00:00	08/04/21 10:00
320-77153-5	A-25	Water	08/03/21 11:17	08/04/21 10:00
320-77153-6	A-50	Water	08/03/21 11:12	08/04/21 10:00
320-77153-7	A-75	Water	08/03/21 11:07	08/04/21 10:00
320-77153-8	B-25	Water	08/03/21 10:57	08/04/21 10:00
320-77153-9	B-50	Water	08/03/21 10:52	08/04/21 10:00
320-77153-10	B-75	Water	08/03/21 10:47	08/04/21 10:00

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

Chain of Custody Record

Client Information Client Contact: Brian Neumann Company: Precision Environmental Services Inc. Address: 831 State Route 67 Ste 38 City: Ballston Spa State, Zip: NY, 12020 Phone: 518-402-9813(Tel) Email: bneumann@pesnyinc.com Project Name: Stewart ANG Base #336089 Kroll Well Site:		Lab PM: Stone, Judy L E-Mail: Judy.Stone@Eurofinset.com Carrier Tracking No(s): 480-163238-35194.2 State of Origin:	
Due Date Requested: TAT Requested (days): Standard (10-Day) Compliance Project: <input type="checkbox"/> Yes <input type="checkbox"/> No PO #: Callout ID: 137132 WO #: Project #: 48020467 SSOW#:		Analysis Requested Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - Ni/HSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification Influent Mid Point Effluent Duplicate A-25 A-50 A-75 B-25 B-50 B-75		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> No PFC, IDA - PFAS, Standard List (21 Analytes) - BURL <input checked="" type="checkbox"/> No Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> No Total Number of Containers:	
Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=wastewater, BI=BIOS, A=Air)
8-3-21	1122	Grab	Water
	1102		
	1140		
	1117		
	1112		
	1107		
	1057		
	1052		
	1047		
Special Instructions/Note: Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: Cat B Deliverables			
Empty Kit Relinquished by: Patrol Relinquished by: Kroll Meyer Relinquished by:		Received by: Kroll Meyer Received by: Patrol Received by:	
Date/Time	Date/Time	Date/Time	Date/Time
8/3/21 - 1326	8/3/21 - 1326	8/14/21 - 1000	8/14/21 - 1000
Company: PEF	Company: PEF	Company: ETA Sac	Company: ETA Sac
Custody Seal No.: 632357 Custody, Seals Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 1-1	



Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 320-77153-1

Login Number: 77153

List Source: Eurofins TestAmerica, Sacramento

List Number: 1

Creator: Oropeza, Salvador

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	1632337
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 sample IDs on the containers 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	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	