

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

625 Broadway, 12th Floor, Albany, New York 12233-7011

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www.dec.ny.gov

February 28, 2020

Mr. George Meyers, Supervisor
Town of New Windsor
555 Union Avenue
New Windsor, New York 12553

Re: New Windsor Public Water Supply Well Sample Results
Kroll Well, New Windsor (T), Orange County

Dear Supervisor Meyers:

The New York State Department of Environmental Conservation (DEC) is providing you with a copy of analytical results derived from the February 14, 2020 sampling of the granular activated carbon (GAC) water treatment system by DEC representatives that was installed on the Town of New Windsor (Town) Kroll Well located at 354 Mount Airy Road.

No PFOS or PFOA was detected in the Kroll Well GAC-treated water. The U.S. Environmental Protection Agency (EPA) lifetime health advisory level (HAL) is 70 parts per trillion (ppt) for PFOA, PFOS, or the combination of PFOA and PFOS. The proposed NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

Specifically, the samples were analyzed for a total of six and twenty-one per- and polyfluoroalkyl substances (PFAS), including Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS). Data received for the 21 PFAS list analysis has been attached. Please note that the sampling data associated with the 6 PFAS list was provided to the Town under separate letter in December 2019 after receipt and review by DEC and the New York State Department of Health (DOH).

During this event, sampling for the 21 PFAS list was conducted at 9 locations:

- pre-treatment (raw untreated water), which has a "RAW WATER" identifier in the Client Sample ID;
- 25 % treatment – lead tank (A-25 identifier);
- 50 % treatment – lead tank (A-50 identifier);
- 75 % treatment – lead tank (A-75 identifier);
- mid-treatment (after the first GAC canister and prior to the second GAC canister), which has a "MID POINT" identifier in the Client Sample ID;
- 25 % treatment – lag tank (B-25 identifier);
- 50 % treatment – lag tank (B-50 identifier);
- 75 % treatment – lag tank (B-75 identifier); and
- post-treatment (after the entire treatment system), which has a "EFFLUENT" identifier in the Client Sample ID.



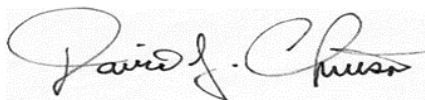
Department of
Environmental
Conservation



The 9 locations sampled (and their associated identifiers) are depicted in Figure 1.

If you have any technical questions regarding the analytical results or on the operation and performance of the GAC treatment system, please feel free to contact me or Jim Hayward, EA Science and Technology (DEC's Project Engineer) at (315) 431-4610 (ext.1857) or jhayward@eaest.com. For weekday or off hour / weekend emergency repair issues, please call DEC's contractor, Brian Neumann of Precision Environmental Services at (518) 441-1520 (cell). For questions regarding site-related health concerns, please contact Steve Gagnon of the Orange County DOH at (845) 291-2331 or Dr. Min-Sook Kim of the NYSDOH Bureau of Water Supply Protection at (518) 402-7650; email: min-sook.kim@health.ny.gov.

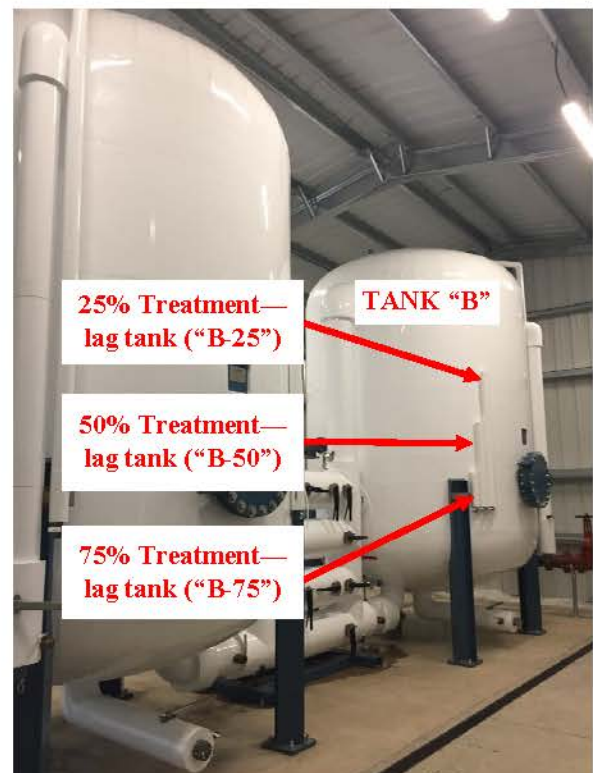
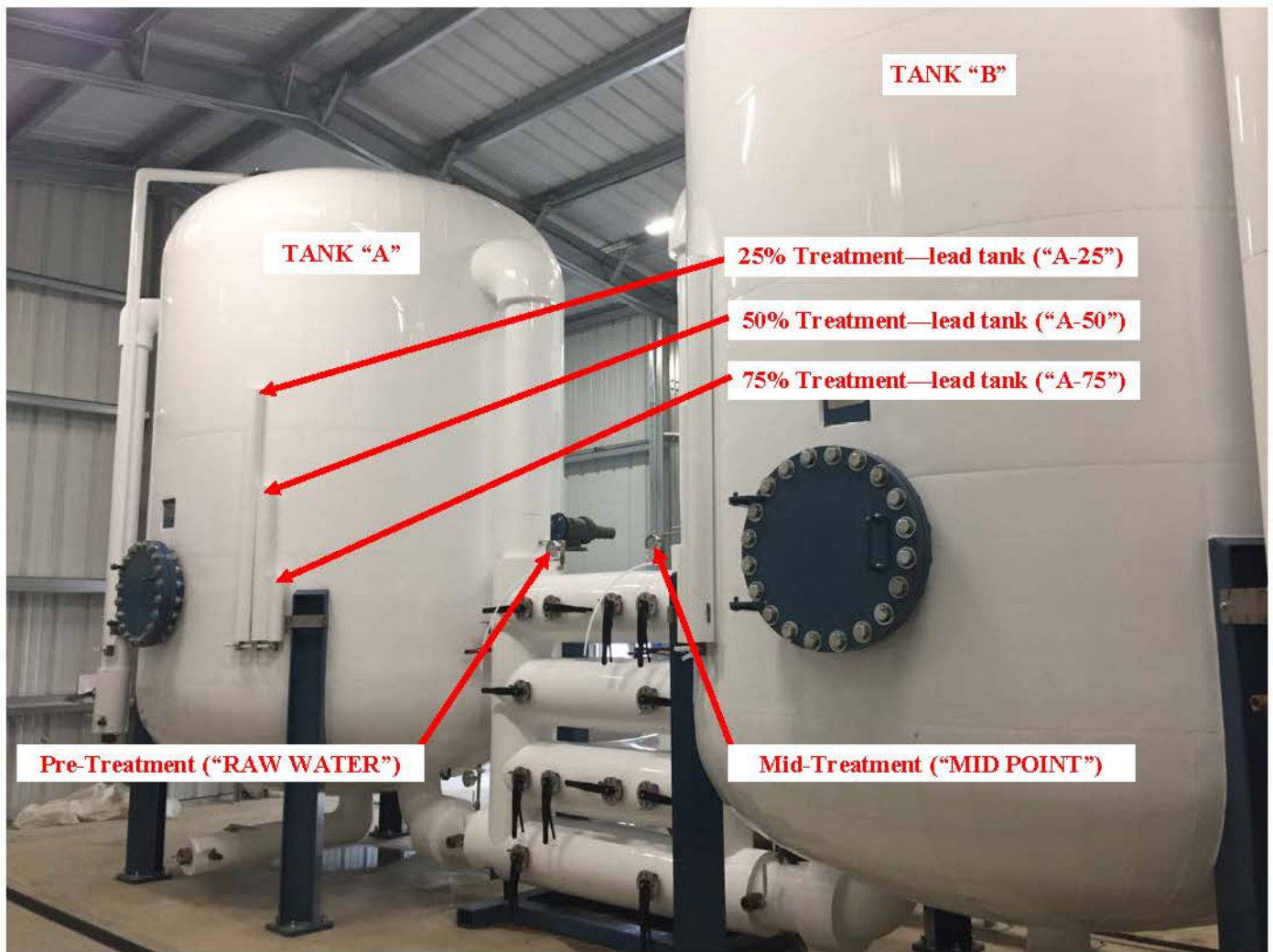
Sincerely,



David J. Chiusano
Environmental Engineer/Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

Enclosures

ec: w/enclosures
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S. Gladding, NYSDOH
S. Gagnon, OCDOH
M. Andersen, OCDOH
J. Hayward, EA Engineering
B. Neumann, PES
M. Cruden, NYSDEC
D. Bendell, Region 3 RHWRE
D. Harrington, NYSDEC



**Figure 1—Kroll Well GAC Treatment System
Sampling Locations**

Town of New Windsor

Kroll Well GAC Operation and Maintenance PFOA and PFOS Sampling Results ** (Parts Per Trillion (PPT))

Date	Analyte	Result ¹ Raw Water	Result A25	Result ² A50	Result A75	Result Mid-Point	Result B25	Result B50	Result B75	Treated Effluent	USEPA Drinking Water Health Advisory Guidance Value	Proposed NYS MCLs
September 2019 (Based on 21 PFAS Analysis Data only)	PFOA	8.4	ND	6.1	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	14	ND	7.8	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
October 2019 (Based on 21 PFAS Analysis Data only)	PFOA	7.9	6.5	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	13	8.7	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
November 2019 (Based on 21 PFAS Analysis Data only)	PFOA	12	10	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	10	8.4	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
December 2019 (Based on 21 PFAS Analysis Data only)	PFOA	12	10	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	10	8.7	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
January 2020 (Based on 21 PFAS Analysis Data only)	PFOA	11	10	2.2	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	10	8.7	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
February 2020 (Based on 21 PFAS Analysis Data only)	PFOA	11	9.9	3.3	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵
	PFOS	9.7	8.4	ND	ND	ND	ND	ND	ND	ND	70 ⁴	10 ⁵

Notes:

** 21 PFAS List Analysis.

1. PFOS and PFOA results and comparison values are reported in parts per trillion (ppt, nanograms per liter, ng/l).
2. "ND" means non-detect. The analyte was not detected in the sample.
3. MCL (Maximum Contaminant Level, mg/l) is the maximum permissible level of a contaminant in water delivered by a public water system.
4. Guidance: USEPA Drinking Water Health Advisory guidance value is currently 70 ppt.
5. The proposed NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

How to Read Your Laboratory Reports

PFOA and PFOS Results:

- Analyte is the term used to describe what the laboratory was testing for, in this case PFOS and PFOA.
- Conc. (ng/l) is your result for PFOS and PFOA. In your case, no PFOS and PFOA were detected, thus ND or “non-detect” or <2.0 ng/l was reported. (ng/l = ppt)
- RL = reporting limit or RDL = reportable detection limit is the lowest level at which this specific testing protocol and laboratory has confidence in measuring the given analyte.
- Qualifiers are added information to help understand the quality of the data. Often, if something about the results or the calibration of the testing equipment was irregular, it would be reported here.

All other columns represent laboratory quality control information. The laboratory calibrates its equipment against a precise quantity of the chemical in order to ensure that the equipment is functioning properly. Some laboratory reports may not have all this information.

- Labeled Standard or Surrogate is the lab's specific name for an individual control sample.
- %R is the percent of the control sample that was detected by the equipment. A 100% reading represents perfect equipment alignment.
- LCL-UCL is the lower concentration limit (LCL) and upper concentration limit (UCL). The LCL represents the lowest acceptable %R value and the UCL represent the highest acceptable %R value required to ensure your result is accurate.
- Qualifiers: If a result quality control variance is noted or if the %R value of any of the control samples were outside the allowable range that would have been noted in this last column. This gives the analyst less confidence in the measured value.

The analysis for PFOS and PFOA is performed using modified EPA Method 537. The laboratory may report a detection of PFOS and PFOA down to approximately 2.0 nanograms per liter (ng/l) or parts per trillion (ppt).

Inorganic Results:

- Parameter is the same as “analyte” above – it is the chemical being tested.
- Result is the concentration of that chemical detected.
- RL/PQL is the lowest level at which the specific laboratory test can reliably quantify the concentration. Below that number, the result is considered unreliable.
- DIL is the number of times the sample was diluted (necessary because the test has a certain range that it is accurate for).
- Units: mg/l is milligrams per liter or parts per million; ug/l is micrograms per liter or parts per billion.
- DW MCL stands for drinking water (DW) and “maximum contaminant level” (MCL). All chemicals that have a “maximum contaminant level” (MCL) established for drinking water (DW) have a level reported in this column.

- Sec Goal is the EPA nomenclature for all contaminants that have regulatory levels set based on aesthetics (for example, taste or color). DOH recognizes these EPA secondary goals as primary standards and enforces its drinking water quality program accordingly.
- Date/Time represents the date and time of the analysis at the lab.
- By refers to the technician who ran the test.
- Reference indicates the EPA method used in the test.

ANALYTICAL REPORT

Eurofins TestAmerica, Burlington
30 Community Drive
Suite 11
South Burlington, VT 05403
Tel: (802)660-1990

Laboratory Job ID: 200-52663-1

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:
2/27/2020 5:15:06 PM

Judy Stone, Senior Project Manager
(484)685-0868
judy.stone@testamericainc.com

LINKS

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www.testamericainc.com

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

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

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

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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
2/27/2020 5:15:06 PM

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Definitions/Glossary

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

Job ID: 200-52663-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
□	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
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)

Case Narrative

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

Job ID: 200-52663-1

Job ID: 200-52663-1

Laboratory: Eurofins TestAmerica, Burlington

Narrative

Job Narrative 200-52663-1

Receipt

The samples were received on 2/15/2020 10:10 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 1.6° C.

LCMS

Method 537 (modified): The low level continuing calibration verification (CCVL) associated with batch 200-152693 recovered above the upper control limit for Perfluoroheptanesulfonic Acid (PFHpS). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

Method 537 (modified): The continuing calibration verification (CCV) associated with batch 200-152745 recovered above the upper control limit for Perfluorotetradecanoic acid (PFTeA). The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported.

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

Detection Summary

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

Job ID: 200-52663-1

Client Sample ID: EFFLUENT

Lab Sample ID: 200-52663-1

No Detections.

Client Sample ID: MID POINT

Lab Sample ID: 200-52663-2

No Detections.

Client Sample ID: RAW WATER

Lab Sample ID: 200-52663-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.5		1.8		ng/L	1			537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.3		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.9		1.8		ng/L	1			537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.8		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	11		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	6.2		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	9.7		1.8		ng/L	1			537 (modified)	Total/NA

Client Sample ID: DUPLICATE

Lab Sample ID: 200-52663-4

No Detections.

Client Sample ID: A-25

Lab Sample ID: 200-52663-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.7		1.8		ng/L	1			537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.7		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.8		1.8		ng/L	1			537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.7		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	9.9		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	6.7		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.0		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.4		1.8		ng/L	1			537 (modified)	Total/NA

Client Sample ID: A-50

Lab Sample ID: 200-52663-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.8		1.8		ng/L	1			537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.0		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.6		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.3		1.8		ng/L	1			537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.5		1.8		ng/L	1			537 (modified)	Total/NA

Client Sample ID: A-75

Lab Sample ID: 200-52663-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil	Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.3		1.8		ng/L	1			537 (modified)	Total/NA

Client Sample ID: B-25

Lab Sample ID: 200-52663-8

No Detections.

Client Sample ID: B-50

Lab Sample ID: 200-52663-9

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Detection Summary

Client: New York State D.E.C.

Job ID: 200-52663-1

Project/Site: Stewart ANG Base #336089 Kroll Well

Client Sample ID: B-75

Lab Sample ID: 200-52663-10

☐ No Detections.

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This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-52663-1

Client Sample ID: EFFLUENT

Lab Sample ID: 200-52663-1

Date Collected: 02/14/20 09:27

Matrix: Water

Date Received: 02/15/20 10:10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluoropentanoic acid (PFPeA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorohexanoic acid (PFHxA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorooctanoic acid (PFOA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7		ng/L		02/24/20 09:37	02/26/20 17:45	1
Perfluorooctanesulfonamide (FOSA)	ND		8.5		ng/L		02/24/20 09:37	02/26/20 17:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		02/24/20 09:37	02/26/20 17:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		02/24/20 09:37	02/26/20 17:45	1
6:2 FTS	ND		17		ng/L		02/24/20 09:37	02/26/20 17:45	1
8:2 FTS	ND		17		ng/L		02/24/20 09:37	02/26/20 17:45	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	86		25 - 150	02/24/20 09:37	02/26/20 17:45	1
13C4 PFBA	102		25 - 150	02/24/20 09:37	02/26/20 17:45	1
13C5-PFPeA DNU	111		25 - 150	02/24/20 09:37	02/26/20 17:45	1
13C2 PFHxA	91		50 - 150	02/24/20 09:37	02/26/20 17:45	1
13C4 PFHpA	94		50 - 150	02/24/20 09:37	02/26/20 17:45	1
13C4 PFOA	96		50 - 150	02/24/20 09:37	02/26/20 17:45	1
13C5 PFNA	95		50 - 150	02/24/20 09:37	02/26/20 17:45	1
13C2 PFDA	88		50 - 150	02/24/20 09:37	02/26/20 17:45	1
13C2 PFUnA	74		50 - 150	02/24/20 09:37	02/26/20 17:45	1
13C2 PFDoA	79		50 - 150	02/24/20 09:37	02/26/20 17:45	1
13C2 PFTeDA	77		50 - 150	02/24/20 09:37	02/26/20 17:45	1
13C3 PFBS	90		50 - 150	02/24/20 09:37	02/26/20 17:45	1
18O2 PFHxS	92		50 - 150	02/24/20 09:37	02/26/20 17:45	1
13C4 PFOS	89		50 - 150	02/24/20 09:37	02/26/20 17:45	1
d3-NMeFOSAA	101		50 - 150	02/24/20 09:37	02/26/20 17:45	1
d5-NEtFOSAA	80		50 - 150	02/24/20 09:37	02/26/20 17:45	1
M2-6:2 FTS	96		25 - 150	02/24/20 09:37	02/26/20 17:45	1
M2-8:2 FTS	84		25 - 150	02/24/20 09:37	02/26/20 17:45	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-52663-1

Client Sample ID: MID POINT

Lab Sample ID: 200-52663-2

Date Collected: 02/14/20 09:47

Matrix: Water

Date Received: 02/15/20 10:10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluoropentanoic acid (PFPeA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorohexanoic acid (PFHxA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorooctanoic acid (PFOA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
Perfluorooctanesulfonamide (FOSA)	ND		8.7		ng/L		02/24/20 09:37	02/25/20 16:01	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		02/24/20 09:37	02/25/20 16:01	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		02/24/20 09:37	02/25/20 16:01	1
6:2 FTS	ND		17		ng/L		02/24/20 09:37	02/25/20 16:01	1
8:2 FTS	ND		17		ng/L		02/24/20 09:37	02/25/20 16:01	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C8 FOSA	89		25 - 150				02/24/20 09:37	02/25/20 16:01	1
13C4 PFBA	104		25 - 150				02/24/20 09:37	02/25/20 16:01	1
13C5-PFPeA DNU	112		25 - 150				02/24/20 09:37	02/25/20 16:01	1
13C2 PFHxA	92		50 - 150				02/24/20 09:37	02/25/20 16:01	1
13C4 PFHpA	100		50 - 150				02/24/20 09:37	02/25/20 16:01	1
13C4 PFOA	96		50 - 150				02/24/20 09:37	02/25/20 16:01	1
13C5 PFNA	102		50 - 150				02/24/20 09:37	02/25/20 16:01	1
13C2 PFDA	88		50 - 150				02/24/20 09:37	02/25/20 16:01	1
13C2 PFUnA	87		50 - 150				02/24/20 09:37	02/25/20 16:01	1
13C2 PFDoA	86		50 - 150				02/24/20 09:37	02/25/20 16:01	1
13C2 PFTeDA	97		50 - 150				02/24/20 09:37	02/25/20 16:01	1
13C3 PFBS	98		50 - 150				02/24/20 09:37	02/25/20 16:01	1
18O2 PFHxS	100		50 - 150				02/24/20 09:37	02/25/20 16:01	1
13C4 PFOS	96		50 - 150				02/24/20 09:37	02/25/20 16:01	1
d3-NMeFOSAA	91		50 - 150				02/24/20 09:37	02/25/20 16:01	1
d5-NEtFOSAA	97		50 - 150				02/24/20 09:37	02/25/20 16:01	1
M2-6:2 FTS	103		25 - 150				02/24/20 09:37	02/25/20 16:01	1
M2-8:2 FTS	94		25 - 150				02/24/20 09:37	02/25/20 16:01	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-52663-1

Client Sample ID: RAW WATER

Lab Sample ID: 200-52663-3

Date Collected: 02/14/20 10:07

Matrix: Water

Date Received: 02/15/20 10:10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.5		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluoropentanoic acid (PFPeA)	4.3		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorohexanoic acid (PFHxA)	3.9		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluoroheptanoic acid (PFHpA)	2.8		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorooctanoic acid (PFOA)	11		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorobutanesulfonic acid (PFBS)	6.2		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorohexanesulfonic acid (PFHxS)	2.2		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorooctanesulfonic acid (PFOS)	9.7		1.8		ng/L		02/24/20 09:37	02/25/20 16:09	1
Perfluorooctanesulfonamide (FOSA)	ND		9.0		ng/L		02/24/20 09:37	02/25/20 16:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:09	1
6:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:09	1
8:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:09	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	91		25 - 150	02/24/20 09:37	02/25/20 16:09	1
13C4 PFBA	102		25 - 150	02/24/20 09:37	02/25/20 16:09	1
13C5-PFPeA DNU	99		25 - 150	02/24/20 09:37	02/25/20 16:09	1
13C2 PFHxA	90		50 - 150	02/24/20 09:37	02/25/20 16:09	1
13C4 PFHpA	97		50 - 150	02/24/20 09:37	02/25/20 16:09	1
13C4 PFOA	96		50 - 150	02/24/20 09:37	02/25/20 16:09	1
13C5 PFNA	97		50 - 150	02/24/20 09:37	02/25/20 16:09	1
13C2 PFDA	97		50 - 150	02/24/20 09:37	02/25/20 16:09	1
13C2 PFUnA	91		50 - 150	02/24/20 09:37	02/25/20 16:09	1
13C2 PFDoA	83		50 - 150	02/24/20 09:37	02/25/20 16:09	1
13C2 PFTeDA	98		50 - 150	02/24/20 09:37	02/25/20 16:09	1
13C3 PFBS	90		50 - 150	02/24/20 09:37	02/25/20 16:09	1
18O2 PFHxS	98		50 - 150	02/24/20 09:37	02/25/20 16:09	1
13C4 PFOS	97		50 - 150	02/24/20 09:37	02/25/20 16:09	1
d3-NMeFOSAA	94		50 - 150	02/24/20 09:37	02/25/20 16:09	1
d5-NEtFOSAA	102		50 - 150	02/24/20 09:37	02/25/20 16:09	1
M2-6:2 FTS	103		25 - 150	02/24/20 09:37	02/25/20 16:09	1
M2-8:2 FTS	100		25 - 150	02/24/20 09:37	02/25/20 16:09	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-52663-1

Client Sample ID: DUPLICATE

Lab Sample ID: 200-52663-4

Date Collected: 02/14/20 00:00

Matrix: Water

Date Received: 02/15/20 10:10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluoropentanoic acid (PFPeA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorohexanoic acid (PFHxA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorooctanoic acid (PFOA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 16:17	1
Perfluorooctanesulfonamide (FOSA)	ND		8.6		ng/L		02/24/20 09:37	02/25/20 16:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		02/24/20 09:37	02/25/20 16:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		02/24/20 09:37	02/25/20 16:17	1
6:2 FTS	ND		17		ng/L		02/24/20 09:37	02/25/20 16:17	1
8:2 FTS	ND		17		ng/L		02/24/20 09:37	02/25/20 16:17	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	97		25 - 150	02/24/20 09:37	02/25/20 16:17	1
13C4 PFBA	104		25 - 150	02/24/20 09:37	02/25/20 16:17	1
13C5-PFPeA DNU	107		25 - 150	02/24/20 09:37	02/25/20 16:17	1
13C2 PFHxA	100		50 - 150	02/24/20 09:37	02/25/20 16:17	1
13C4 PFHpA	101		50 - 150	02/24/20 09:37	02/25/20 16:17	1
13C4 PFOA	93		50 - 150	02/24/20 09:37	02/25/20 16:17	1
13C5 PFNA	95		50 - 150	02/24/20 09:37	02/25/20 16:17	1
13C2 PFDA	100		50 - 150	02/24/20 09:37	02/25/20 16:17	1
13C2 PFUnA	91		50 - 150	02/24/20 09:37	02/25/20 16:17	1
13C2 PFDoA	89		50 - 150	02/24/20 09:37	02/25/20 16:17	1
13C2 PFTeDA	97		50 - 150	02/24/20 09:37	02/25/20 16:17	1
13C3 PFBS	97		50 - 150	02/24/20 09:37	02/25/20 16:17	1
18O2 PFHxS	93		50 - 150	02/24/20 09:37	02/25/20 16:17	1
13C4 PFOS	102		50 - 150	02/24/20 09:37	02/25/20 16:17	1
d3-NMeFOSAA	99		50 - 150	02/24/20 09:37	02/25/20 16:17	1
d5-NEtFOSAA	95		50 - 150	02/24/20 09:37	02/25/20 16:17	1
M2-6:2 FTS	104		25 - 150	02/24/20 09:37	02/25/20 16:17	1
M2-8:2 FTS	114		25 - 150	02/24/20 09:37	02/25/20 16:17	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-52663-1

Client Sample ID: A-25

Lab Sample ID: 200-52663-5

Date Collected: 02/14/20 10:02

Matrix: Water

Date Received: 02/15/20 10:10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.7		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluoropentanoic acid (PFPeA)	3.7		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorohexanoic acid (PFHxA)	3.8		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluoroheptanoic acid (PFHpA)	2.7		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorooctanoic acid (PFOA)	9.9		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorobutanesulfonic acid (PFBS)	6.7		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorohexanesulfonic acid (PFHxS)	2.0		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorooctanesulfonic acid (PFOS)	8.4		1.8		ng/L		02/24/20 09:37	02/25/20 16:26	1
Perfluorooctanesulfonamide (FOSA)	ND		9.0		ng/L		02/24/20 09:37	02/25/20 16:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:26	1
6:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:26	1
8:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:26	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	101		25 - 150	02/24/20 09:37	02/25/20 16:26	1
13C4 PFBA	106		25 - 150	02/24/20 09:37	02/25/20 16:26	1
13C5-PFPeA DNU	112		25 - 150	02/24/20 09:37	02/25/20 16:26	1
13C2 PFHxA	96		50 - 150	02/24/20 09:37	02/25/20 16:26	1
13C4 PFHpA	104		50 - 150	02/24/20 09:37	02/25/20 16:26	1
13C4 PFOA	102		50 - 150	02/24/20 09:37	02/25/20 16:26	1
13C5 PFNA	109		50 - 150	02/24/20 09:37	02/25/20 16:26	1
13C2 PFDA	108		50 - 150	02/24/20 09:37	02/25/20 16:26	1
13C2 PFUnA	93		50 - 150	02/24/20 09:37	02/25/20 16:26	1
13C2 PFDoA	96		50 - 150	02/24/20 09:37	02/25/20 16:26	1
13C2 PFTeDA	104		50 - 150	02/24/20 09:37	02/25/20 16:26	1
13C3 PFBS	95		50 - 150	02/24/20 09:37	02/25/20 16:26	1
18O2 PFHxS	106		50 - 150	02/24/20 09:37	02/25/20 16:26	1
13C4 PFOS	113		50 - 150	02/24/20 09:37	02/25/20 16:26	1
d3-NMeFOSAA	117		50 - 150	02/24/20 09:37	02/25/20 16:26	1
d5-NEtFOSAA	101		50 - 150	02/24/20 09:37	02/25/20 16:26	1
M2-6:2 FTS	106		25 - 150	02/24/20 09:37	02/25/20 16:26	1
M2-8:2 FTS	105		25 - 150	02/24/20 09:37	02/25/20 16:26	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-52663-1

Client Sample ID: A-50

Lab Sample ID: 200-52663-6

Date Collected: 02/14/20 09:57

Matrix: Water

Date Received: 02/15/20 10:10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.8		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluoropentanoic acid (PFPeA)	4.0		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorohexanoic acid (PFHxA)	2.6		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorooctanoic acid (PFOA)	3.3		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorobutanesulfonic acid (PFBS)	3.5		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
Perfluorooctanesulfonamide (FOSA)	ND		8.8		ng/L		02/24/20 09:37	02/25/20 16:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:34	1
6:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:34	1
8:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:34	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	95		25 - 150	02/24/20 09:37	02/25/20 16:34	1
13C4 PFBA	104		25 - 150	02/24/20 09:37	02/25/20 16:34	1
13C5-PFPeA DNU	104		25 - 150	02/24/20 09:37	02/25/20 16:34	1
13C2 PFHxA	96		50 - 150	02/24/20 09:37	02/25/20 16:34	1
13C4 PFHpA	100		50 - 150	02/24/20 09:37	02/25/20 16:34	1
13C4 PFOA	94		50 - 150	02/24/20 09:37	02/25/20 16:34	1
13C5 PFNA	100		50 - 150	02/24/20 09:37	02/25/20 16:34	1
13C2 PFDA	99		50 - 150	02/24/20 09:37	02/25/20 16:34	1
13C2 PFUnA	88		50 - 150	02/24/20 09:37	02/25/20 16:34	1
13C2 PFDoA	85		50 - 150	02/24/20 09:37	02/25/20 16:34	1
13C2 PFTeDA	93		50 - 150	02/24/20 09:37	02/25/20 16:34	1
13C3 PFBS	90		50 - 150	02/24/20 09:37	02/25/20 16:34	1
18O2 PFHxS	103		50 - 150	02/24/20 09:37	02/25/20 16:34	1
13C4 PFOS	100		50 - 150	02/24/20 09:37	02/25/20 16:34	1
d3-NMeFOSAA	107		50 - 150	02/24/20 09:37	02/25/20 16:34	1
d5-NEtFOSAA	89		50 - 150	02/24/20 09:37	02/25/20 16:34	1
M2-6:2 FTS	103		25 - 150	02/24/20 09:37	02/25/20 16:34	1
M2-8:2 FTS	101		25 - 150	02/24/20 09:37	02/25/20 16:34	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-52663-1

Client Sample ID: A-75

Lab Sample ID: 200-52663-7

Date Collected: 02/14/20 09:52

Matrix: Water

Date Received: 02/15/20 10:10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.3		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
Perfluorooctanesulfonamide (FOSA)	ND		8.8		ng/L		02/24/20 09:37	02/25/20 16:42	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:42	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:42	1
6:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:42	1
8:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:42	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C8 FOSA	101		25 - 150				02/24/20 09:37	02/25/20 16:42	1
13C4 PFBA	104		25 - 150				02/24/20 09:37	02/25/20 16:42	1
13C5-PFPeA DNU	114		25 - 150				02/24/20 09:37	02/25/20 16:42	1
13C2 PFHxA	95		50 - 150				02/24/20 09:37	02/25/20 16:42	1
13C4 PFHpA	104		50 - 150				02/24/20 09:37	02/25/20 16:42	1
13C4 PFOA	98		50 - 150				02/24/20 09:37	02/25/20 16:42	1
13C5 PFNA	108		50 - 150				02/24/20 09:37	02/25/20 16:42	1
13C2 PFDA	100		50 - 150				02/24/20 09:37	02/25/20 16:42	1
13C2 PFUnA	98		50 - 150				02/24/20 09:37	02/25/20 16:42	1
13C2 PFDoA	94		50 - 150				02/24/20 09:37	02/25/20 16:42	1
13C2 PFTeDA	99		50 - 150				02/24/20 09:37	02/25/20 16:42	1
13C3 PFBS	93		50 - 150				02/24/20 09:37	02/25/20 16:42	1
18O2 PFHxS	99		50 - 150				02/24/20 09:37	02/25/20 16:42	1
13C4 PFOS	107		50 - 150				02/24/20 09:37	02/25/20 16:42	1
d3-NMeFOSAA	107		50 - 150				02/24/20 09:37	02/25/20 16:42	1
d5-NEtFOSAA	90		50 - 150				02/24/20 09:37	02/25/20 16:42	1
M2-6:2 FTS	104		25 - 150				02/24/20 09:37	02/25/20 16:42	1
M2-8:2 FTS	96		25 - 150				02/24/20 09:37	02/25/20 16:42	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-52663-1

Client Sample ID: B-25

Lab Sample ID: 200-52663-8

Date Collected: 02/14/20 09:42

Matrix: Water

Date Received: 02/15/20 10:10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:50	1
Perfluorooctanesulfonamide (FOSA)	ND		8.9		ng/L		02/24/20 09:37	02/25/20 16:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:50	1
6:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:50	1
8:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	97		25 - 150	02/24/20 09:37	02/25/20 16:50	1
13C4 PFBA	103		25 - 150	02/24/20 09:37	02/25/20 16:50	1
13C5-PFPeA DNU	112		25 - 150	02/24/20 09:37	02/25/20 16:50	1
13C2 PFHxA	91		50 - 150	02/24/20 09:37	02/25/20 16:50	1
13C4 PFHpA	101		50 - 150	02/24/20 09:37	02/25/20 16:50	1
13C4 PFOA	96		50 - 150	02/24/20 09:37	02/25/20 16:50	1
13C5 PFNA	96		50 - 150	02/24/20 09:37	02/25/20 16:50	1
13C2 PFDA	105		50 - 150	02/24/20 09:37	02/25/20 16:50	1
13C2 PFUnA	95		50 - 150	02/24/20 09:37	02/25/20 16:50	1
13C2 PFDoA	92		50 - 150	02/24/20 09:37	02/25/20 16:50	1
13C2 PFTeDA	98		50 - 150	02/24/20 09:37	02/25/20 16:50	1
13C3 PFBS	97		50 - 150	02/24/20 09:37	02/25/20 16:50	1
18O2 PFHxS	103		50 - 150	02/24/20 09:37	02/25/20 16:50	1
13C4 PFOS	99		50 - 150	02/24/20 09:37	02/25/20 16:50	1
d3-NMeFOSAA	109		50 - 150	02/24/20 09:37	02/25/20 16:50	1
d5-NEtFOSAA	97		50 - 150	02/24/20 09:37	02/25/20 16:50	1
M2-6:2 FTS	107		25 - 150	02/24/20 09:37	02/25/20 16:50	1
M2-8:2 FTS	107		25 - 150	02/24/20 09:37	02/25/20 16:50	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-52663-1

Client Sample ID: B-50

Lab Sample ID: 200-52663-9

Date Collected: 02/14/20 09:37

Matrix: Water

Date Received: 02/15/20 10:10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		02/24/20 09:37	02/25/20 16:59	1
Perfluorooctanesulfonamide (FOSA)	ND		9.0		ng/L		02/24/20 09:37	02/25/20 16:59	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:59	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		02/24/20 09:37	02/25/20 16:59	1
6:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:59	1
8:2 FTS	ND		18		ng/L		02/24/20 09:37	02/25/20 16:59	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C8 FOSA	90		25 - 150				02/24/20 09:37	02/25/20 16:59	1
13C4 PFBA	105		25 - 150				02/24/20 09:37	02/25/20 16:59	1
13C5-PFPeA DNU	108		25 - 150				02/24/20 09:37	02/25/20 16:59	1
13C2 PFHxA	95		50 - 150				02/24/20 09:37	02/25/20 16:59	1
13C4 PFHpA	99		50 - 150				02/24/20 09:37	02/25/20 16:59	1
13C4 PFOA	100		50 - 150				02/24/20 09:37	02/25/20 16:59	1
13C5 PFNA	98		50 - 150				02/24/20 09:37	02/25/20 16:59	1
13C2 PFDA	99		50 - 150				02/24/20 09:37	02/25/20 16:59	1
13C2 PFUnA	79		50 - 150				02/24/20 09:37	02/25/20 16:59	1
13C2 PFDoA	87		50 - 150				02/24/20 09:37	02/25/20 16:59	1
13C2 PFTeDA	96		50 - 150				02/24/20 09:37	02/25/20 16:59	1
13C3 PFBS	93		50 - 150				02/24/20 09:37	02/25/20 16:59	1
18O2 PFHxS	99		50 - 150				02/24/20 09:37	02/25/20 16:59	1
13C4 PFOS	94		50 - 150				02/24/20 09:37	02/25/20 16:59	1
d3-NMeFOSAA	94		50 - 150				02/24/20 09:37	02/25/20 16:59	1
d5-NEtFOSAA	93		50 - 150				02/24/20 09:37	02/25/20 16:59	1
M2-6:2 FTS	97		25 - 150				02/24/20 09:37	02/25/20 16:59	1
M2-8:2 FTS	96		25 - 150				02/24/20 09:37	02/25/20 16:59	1

Eurofins TestAmerica, Burlington

Client Sample Results

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

Job ID: 200-52663-1

Client Sample ID: B-75

Lab Sample ID: 200-52663-10

Date Collected: 02/14/20 09:33

Matrix: Water

Date Received: 02/15/20 10:10

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluoropentanoic acid (PFPeA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorohexanoic acid (PFHxA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorooctanoic acid (PFOA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7		ng/L		02/24/20 09:37	02/25/20 17:07	1
Perfluorooctanesulfonamide (FOSA)	ND		8.5		ng/L		02/24/20 09:37	02/25/20 17:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		02/24/20 09:37	02/25/20 17:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		02/24/20 09:37	02/25/20 17:07	1
6:2 FTS	ND		17		ng/L		02/24/20 09:37	02/25/20 17:07	1
8:2 FTS	ND		17		ng/L		02/24/20 09:37	02/25/20 17:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	79		25 - 150	02/24/20 09:37	02/25/20 17:07	1
13C4 PFBA	101		25 - 150	02/24/20 09:37	02/25/20 17:07	1
13C5-PFPeA DNU	105		25 - 150	02/24/20 09:37	02/25/20 17:07	1
13C2 PFHxA	88		50 - 150	02/24/20 09:37	02/25/20 17:07	1
13C4 PFHpA	101		50 - 150	02/24/20 09:37	02/25/20 17:07	1
13C4 PFOA	98		50 - 150	02/24/20 09:37	02/25/20 17:07	1
13C5 PFNA	90		50 - 150	02/24/20 09:37	02/25/20 17:07	1
13C2 PFDA	86		50 - 150	02/24/20 09:37	02/25/20 17:07	1
13C2 PFUnA	79		50 - 150	02/24/20 09:37	02/25/20 17:07	1
13C2 PFDoA	78		50 - 150	02/24/20 09:37	02/25/20 17:07	1
13C2 PFTeDA	84		50 - 150	02/24/20 09:37	02/25/20 17:07	1
13C3 PFBS	90		50 - 150	02/24/20 09:37	02/25/20 17:07	1
18O2 PFHxS	94		50 - 150	02/24/20 09:37	02/25/20 17:07	1
13C4 PFOS	83		50 - 150	02/24/20 09:37	02/25/20 17:07	1
d3-NMeFOSAA	99		50 - 150	02/24/20 09:37	02/25/20 17:07	1
d5-NEtFOSAA	90		50 - 150	02/24/20 09:37	02/25/20 17:07	1
M2-6:2 FTS	98		25 - 150	02/24/20 09:37	02/25/20 17:07	1
M2-8:2 FTS	93		25 - 150	02/24/20 09:37	02/25/20 17:07	1

Eurofins TestAmerica, Burlington

Isotope Dilution Summary

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

Job ID: 200-52663-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFOSA (25-150)	PFBA (25-150)	PFPeA (25-150)	PFHxA (50-150)	PFHpA (50-150)	PFOA (50-150)	PFNA (50-150)	PFDA (50-150)
200-52663-1	EFFLUENT	86	102	111	91	94	96	95	88
200-52663-2	MID POINT	89	104	112	92	100	96	102	88
200-52663-3	RAW WATER	91	102	99	90	97	96	97	97
200-52663-4	DUPLICATE	97	104	107	100	101	93	95	100
200-52663-5	A-25	101	106	112	96	104	102	109	108
200-52663-6	A-50	95	104	104	96	100	94	100	99
200-52663-7	A-75	101	104	114	95	104	98	108	100
200-52663-8	B-25	97	103	112	91	101	96	96	105
200-52663-9	B-50	90	105	108	95	99	100	98	99
200-52663-10	B-75	79	101	105	88	101	98	90	86
LCS 200-152634/2-A	Lab Control Sample	83	102	102	88	92	92	98	95
LCSD 200-152634/3-A	Lab Control Sample Dup	80	101	103	85	97	94	98	102
MB 200-152634/1-A	Method Blank	84	101	106	92	97	94	98	98
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFUnA (50-150)	PFDoA (50-150)	PFTDA (50-150)	3C3-PFB (50-150)	PFHxS (50-150)	PFOS (50-150)	-NMeFOS (50-150)	-NEtFOS (50-150)
200-52663-1	EFFLUENT	74	79	77	90	92	89	101	80
200-52663-2	MID POINT	87	86	97	98	100	96	91	97
200-52663-3	RAW WATER	91	83	98	90	98	97	94	102
200-52663-4	DUPLICATE	91	89	97	97	93	102	99	95
200-52663-5	A-25	93	96	104	95	106	113	117	101
200-52663-6	A-50	88	85	93	90	103	100	107	89
200-52663-7	A-75	98	94	99	93	99	107	107	90
200-52663-8	B-25	95	92	98	97	103	99	109	97
200-52663-9	B-50	79	87	96	93	99	94	94	93
200-52663-10	B-75	79	78	84	90	94	83	99	90
LCS 200-152634/2-A	Lab Control Sample	82	82	84	91	92	93	106	97
LCSD 200-152634/3-A	Lab Control Sample Dup	88	87	91	94	98	99	102	101
MB 200-152634/1-A	Method Blank	94	87	102	92	94	95	111	105
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)						
200-52663-1	EFFLUENT	96	84						
200-52663-2	MID POINT	103	94						
200-52663-3	RAW WATER	103	100						
200-52663-4	DUPLICATE	104	114						
200-52663-5	A-25	106	105						
200-52663-6	A-50	103	101						
200-52663-7	A-75	104	96						
200-52663-8	B-25	107	107						
200-52663-9	B-50	97	96						
200-52663-10	B-75	98	93						
LCS 200-152634/2-A	Lab Control Sample	111	96						
LCSD 200-152634/3-A	Lab Control Sample Dup	95	101						
MB 200-152634/1-A	Method Blank	109	94						

Surrogate Legend

PFOSA = 13C8 FOSA

PFBA = 13C4 PFBA

Eurofins TestAmerica, Burlington

Isotope Dilution Summary

Client: New York State D.E.C.

Job ID: 200-52663-1

Project/Site: Stewart ANG Base #336089 Kroll Well

PFPeA = 13C5-PFPeA DNU

PFHxA = 13C2 PFHxA

PFHpA = 13C4 PFHpA

PFOA = 13C4 PFOA

PFNA = 13C5 PFNA

PFDA = 13C2 PFDA

PFUnA = 13C2 PFUnA

PFDoA = 13C2 PFDoA

PFTDA = 13C2 PFTeDA

13C3-PFBS = 13C3 PFBS

PFHxS = 18O2 PFHxS

PFOS = 13C4 PFOS

d3-NMeFOSAA = d3-NMeFOSAA

d5-NEtFOSAA = 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: 200-52663-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 200-152634/1-A

Matrix: Water

Analysis Batch: 152695

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 152634

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		02/24/20 09:37	02/25/20 15:28	1
Perfluorooctanesulfonamide (FOSA)	ND		10		ng/L		02/24/20 09:37	02/25/20 15:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20		ng/L		02/24/20 09:37	02/25/20 15:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20		ng/L		02/24/20 09:37	02/25/20 15:28	1
6:2 FTS	ND		20		ng/L		02/24/20 09:37	02/25/20 15:28	1
8:2 FTS	ND		20		ng/L		02/24/20 09:37	02/25/20 15:28	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C8 FOSA	84		25 - 150	02/24/20 09:37	02/25/20 15:28	1
13C4 PFBA	101		25 - 150	02/24/20 09:37	02/25/20 15:28	1
13C5-PFPeA DNU	106		25 - 150	02/24/20 09:37	02/25/20 15:28	1
13C2 PFHxA	92		50 - 150	02/24/20 09:37	02/25/20 15:28	1
13C4 PFHpA	97		50 - 150	02/24/20 09:37	02/25/20 15:28	1
13C4 PFOA	94		50 - 150	02/24/20 09:37	02/25/20 15:28	1
13C5 PFNA	98		50 - 150	02/24/20 09:37	02/25/20 15:28	1
13C2 PFDA	98		50 - 150	02/24/20 09:37	02/25/20 15:28	1
13C2 PFUnA	94		50 - 150	02/24/20 09:37	02/25/20 15:28	1
13C2 PFDoA	87		50 - 150	02/24/20 09:37	02/25/20 15:28	1
13C2 PFTeDA	102		50 - 150	02/24/20 09:37	02/25/20 15:28	1
13C3 PFBS	92		50 - 150	02/24/20 09:37	02/25/20 15:28	1
18O2 PFHxS	94		50 - 150	02/24/20 09:37	02/25/20 15:28	1
13C4 PFOS	95		50 - 150	02/24/20 09:37	02/25/20 15:28	1
d3-NMeFOSAA	111		50 - 150	02/24/20 09:37	02/25/20 15:28	1
d5-NEtFOSAA	105		50 - 150	02/24/20 09:37	02/25/20 15:28	1
M2-6:2 FTS	109		25 - 150	02/24/20 09:37	02/25/20 15:28	1
M2-8:2 FTS	94		25 - 150	02/24/20 09:37	02/25/20 15:28	1

Eurofins TestAmerica, Burlington

QC Sample Results

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

Job ID: 200-52663-1

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

Lab Sample ID: LCS 200-152634/2-A

Matrix: Water

Analysis Batch: 152745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 152634

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	40.7		ng/L		102	50 - 150
Perfluoropentanoic acid (PFPeA)	40.0	39.1		ng/L		98	50 - 150
Perfluorohexanoic acid (PFHxA)	40.0	43.4		ng/L		109	70 - 130
Perfluoroheptanoic acid (PFHpA)	40.0	40.9		ng/L		102	70 - 130
Perfluorooctanoic acid (PFOA)	40.0	44.8		ng/L		112	70 - 130
Perfluorononanoic acid (PFNA)	40.0	33.4		ng/L		83	70 - 130
Perfluorodecanoic acid (PFDA)	40.0	35.4		ng/L		88	70 - 130
Perfluoroundecanoic acid (PFUnA)	40.0	45.2		ng/L		113	70 - 130
Perfluorododecanoic acid (PFDoA)	40.0	41.9		ng/L		105	70 - 130
Perfluorotridecanoic acid (PFTriA)	40.0	40.9		ng/L		102	70 - 130
Perfluorotetradecanoic acid (PFTeA)	40.0	46.6		ng/L		117	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	37.8		ng/L		107	70 - 130
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.2		ng/L		94	70 - 130
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	42.7		ng/L		112	50 - 150
Perfluorodecanesulfonic acid (PFDS)	38.6	37.4		ng/L		97	50 - 150
Perfluorooctanesulfonic acid (PFOS)	37.1	40.1		ng/L		108	70 - 130
Perfluorooctanesulfonamide (FOSA)	40.0	38.0		ng/L		95	50 - 150
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	49.8		ng/L		125	70 - 130
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	42.4		ng/L		106	70 - 130
6:2 FTS	37.9	31.7		ng/L		84	50 - 150
8:2 FTS	38.3	33.0		ng/L		86	50 - 150

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C8 FOSA	83		25 - 150
13C4 PFBA	102		25 - 150
13C5-PFPeA DNU	102		25 - 150
13C2 PFHxA	88		50 - 150
13C4 PFHpA	92		50 - 150
13C4 PFOA	92		50 - 150
13C5 PFNA	98		50 - 150
13C2 PFDA	95		50 - 150
13C2 PFUnA	82		50 - 150
13C2 PFDoA	82		50 - 150
13C2 PFTeDA	84		50 - 150
13C3 PFBS	91		50 - 150
18O2 PFHxS	92		50 - 150
13C4 PFOS	93		50 - 150
d3-NMeFOSAA	106		50 - 150
d5-NEtFOSAA	97		50 - 150

Eurofins TestAmerica, Burlington

QC Sample Results

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

Job ID: 200-52663-1

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

Lab Sample ID: LCS 200-152634/2-A

Matrix: Water

Analysis Batch: 152745

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 152634

<i>Isotope Dilution</i>	<i>LCS %Recovery</i>	<i>LCS Qualifier</i>	<i>Limits</i>
M2-6:2 FTS	111		25 - 150
M2-8:2 FTS	96		25 - 150

Lab Sample ID: LCSD 200-152634/3-A

Matrix: Water

Analysis Batch: 152695

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 152634

<i>Analyte</i>	<i>Spike Added</i>	<i>LCSD Result</i>	<i>LCSD 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)	40.0	40.2		ng/L		100	50 - 150	1	30
Perfluoropentanoic acid (PFPeA)	40.0	37.9		ng/L		95	50 - 150	3	30
Perfluorohexanoic acid (PFHxA)	40.0	42.2		ng/L		106	70 - 130	3	20
Perfluoroheptanoic acid (PFHpA)	40.0	39.8		ng/L		100	70 - 130	3	20
Perfluorooctanoic acid (PFOA)	40.0	42.4		ng/L		106	70 - 130	5	20
Perfluorononanoic acid (PFNA)	40.0	39.1		ng/L		98	70 - 130	16	20
Perfluorodecanoic acid (PFDA)	40.0	38.5		ng/L		96	70 - 130	8	20
Perfluoroundecanoic acid (PFUnA)	40.0	41.1		ng/L		103	70 - 130	9	20
Perfluorododecanoic acid (PFDoA)	40.0	41.4		ng/L		103	70 - 130	1	20
Perfluorotridecanoic acid (PFTriA)	40.0	38.1		ng/L		95	70 - 130	7	20
Perfluorotetradecanoic acid (PFTeA)	40.0	47.2		ng/L		118	70 - 130	1	20
Perfluorobutanesulfonic acid (PFBS)	35.4	37.0		ng/L		105	70 - 130	2	20
Perfluorohexanesulfonic acid (PFHxS)	36.4	33.3		ng/L		91	70 - 130	3	20
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	38.4		ng/L		101	50 - 150	11	30
Perfluorodecanesulfonic acid (PFDS)	38.6	36.8		ng/L		95	50 - 150	2	30
Perfluorooctanesulfonic acid (PFOS)	37.1	38.8		ng/L		104	70 - 130	3	20
Perfluorooctanesulfonamide (FOSA)	40.0	36.2		ng/L		91	50 - 150	5	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	50.9		ng/L		127	70 - 130	2	20
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	46.5		ng/L		116	70 - 130	9	20
6:2 FTS	37.9	33.8		ng/L		89	50 - 150	6	30
8:2 FTS	38.3	32.3		ng/L		84	50 - 150	2	30

<i>Isotope Dilution</i>	<i>LCSD %Recovery</i>	<i>LCSD Qualifier</i>	<i>Limits</i>
13C8 FOSA	80		25 - 150
13C4 PFBA	101		25 - 150
13C5-PFPeA DNU	103		25 - 150
13C2 PFHxA	85		50 - 150
13C4 PFHpA	97		50 - 150
13C4 PFOA	94		50 - 150
13C5 PFNA	98		50 - 150
13C2 PFDA	102		50 - 150
13C2 PFUnA	88		50 - 150

Eurofins TestAmerica, Burlington

QC Sample Results

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

Job ID: 200-52663-1

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

Lab Sample ID: LCSD 200-152634/3-A

Matrix: Water

Analysis Batch: 152695

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 152634

Isotope Dilution	LCSD	LCSD	Limits
	%Recovery	Qualifier	
13C2 PFDoA	87		50 - 150
13C2 PFTeDA	91		50 - 150
13C3 PFBS	94		50 - 150
18O2 PFHxS	98		50 - 150
13C4 PFOS	99		50 - 150
d3-NMeFOSAA	102		50 - 150
d5-NEtFOSAA	101		50 - 150
M2-6:2 FTS	95		25 - 150
M2-8:2 FTS	101		25 - 150

QC Association Summary

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

Job ID: 200-52663-1

LCMS

Prep Batch: 152634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52663-1	EFFLUENT	Total/NA	Water	3535	
200-52663-2	MID POINT	Total/NA	Water	3535	
200-52663-3	RAW WATER	Total/NA	Water	3535	
200-52663-4	DUPLICATE	Total/NA	Water	3535	
200-52663-5	A-25	Total/NA	Water	3535	
200-52663-6	A-50	Total/NA	Water	3535	
200-52663-7	A-75	Total/NA	Water	3535	
200-52663-8	B-25	Total/NA	Water	3535	
200-52663-9	B-50	Total/NA	Water	3535	
200-52663-10	B-75	Total/NA	Water	3535	
MB 200-152634/1-A	Method Blank	Total/NA	Water	3535	
LCS 200-152634/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 200-152634/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 152695

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52663-2	MID POINT	Total/NA	Water	537 (modified)	152634
200-52663-3	RAW WATER	Total/NA	Water	537 (modified)	152634
200-52663-4	DUPLICATE	Total/NA	Water	537 (modified)	152634
200-52663-5	A-25	Total/NA	Water	537 (modified)	152634
200-52663-6	A-50	Total/NA	Water	537 (modified)	152634
200-52663-7	A-75	Total/NA	Water	537 (modified)	152634
200-52663-8	B-25	Total/NA	Water	537 (modified)	152634
200-52663-9	B-50	Total/NA	Water	537 (modified)	152634
200-52663-10	B-75	Total/NA	Water	537 (modified)	152634
MB 200-152634/1-A	Method Blank	Total/NA	Water	537 (modified)	152634
LCSD 200-152634/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	152634

Analysis Batch: 152745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
200-52663-1	EFFLUENT	Total/NA	Water	537 (modified)	152634
LCS 200-152634/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	152634

Lab Chronicle

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

Job ID: 200-52663-1

Client Sample ID: EFFLUENT

Date Collected: 02/14/20 09:27

Date Received: 02/15/20 10:10

Lab Sample ID: 200-52663-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152634	02/24/20 09:37	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	152745	02/26/20 17:45	ND	TAL BUR

Client Sample ID: MID POINT

Date Collected: 02/14/20 09:47

Date Received: 02/15/20 10:10

Lab Sample ID: 200-52663-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152634	02/24/20 09:37	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	152695	02/25/20 16:01	MBM	TAL BUR

Client Sample ID: RAW WATER

Date Collected: 02/14/20 10:07

Date Received: 02/15/20 10:10

Lab Sample ID: 200-52663-3

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152634	02/24/20 09:37	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	152695	02/25/20 16:09	MBM	TAL BUR

Client Sample ID: DUPLICATE

Date Collected: 02/14/20 00:00

Date Received: 02/15/20 10:10

Lab Sample ID: 200-52663-4

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152634	02/24/20 09:37	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	152695	02/25/20 16:17	MBM	TAL BUR

Client Sample ID: A-25

Date Collected: 02/14/20 10:02

Date Received: 02/15/20 10:10

Lab Sample ID: 200-52663-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152634	02/24/20 09:37	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	152695	02/25/20 16:26	MBM	TAL BUR

Client Sample ID: A-50

Date Collected: 02/14/20 09:57

Date Received: 02/15/20 10:10

Lab Sample ID: 200-52663-6

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152634	02/24/20 09:37	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	152695	02/25/20 16:34	MBM	TAL BUR

Lab Chronicle

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

Job ID: 200-52663-1

Client Sample ID: A-75

Date Collected: 02/14/20 09:52

Date Received: 02/15/20 10:10

Lab Sample ID: 200-52663-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152634	02/24/20 09:37	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	152695	02/25/20 16:42	MBM	TAL BUR

Client Sample ID: B-25

Date Collected: 02/14/20 09:42

Date Received: 02/15/20 10:10

Lab Sample ID: 200-52663-8

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152634	02/24/20 09:37	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	152695	02/25/20 16:50	MBM	TAL BUR

Client Sample ID: B-50

Date Collected: 02/14/20 09:37

Date Received: 02/15/20 10:10

Lab Sample ID: 200-52663-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152634	02/24/20 09:37	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	152695	02/25/20 16:59	MBM	TAL BUR

Client Sample ID: B-75

Date Collected: 02/14/20 09:33

Date Received: 02/15/20 10:10

Lab Sample ID: 200-52663-10

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			152634	02/24/20 09:37	ND	TAL BUR
Total/NA	Analysis	537 (modified)		1	152695	02/25/20 17:07	MBM	TAL BUR

Laboratory References:

TAL BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Accreditation/Certification Summary

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

Job ID: 200-52663-1

Laboratory: Eurofins TestAmerica, Burlington

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10391	03-31-20
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)

Laboratory: Eurofins TestAmerica, Buffalo

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-01-20 *

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

Eurofins TestAmerica, Burlington

Method Summary

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

Job ID: 200-52663-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL BUR
3535	Solid-Phase Extraction (SPE)	SW846	TAL BUR

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 BUR = Eurofins TestAmerica, Burlington, 30 Community Drive, Suite 11, South Burlington, VT 05403, TEL (802)660-1990

Sample Summary

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

Job ID: 200-52663-1

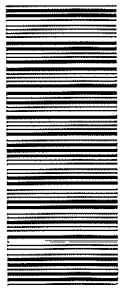
Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
200-52663-1	EFFLUENT	Water	02/14/20 09:27	02/15/20 10:10	
200-52663-2	MID POINT	Water	02/14/20 09:47	02/15/20 10:10	
200-52663-3	RAW WATER	Water	02/14/20 10:07	02/15/20 10:10	
200-52663-4	DUPLICATE	Water	02/14/20 00:00	02/15/20 10:10	
200-52663-5	A-25	Water	02/14/20 10:02	02/15/20 10:10	
200-52663-6	A-50	Water	02/14/20 09:57	02/15/20 10:10	
200-52663-7	A-75	Water	02/14/20 09:52	02/15/20 10:10	
200-52663-8	B-25	Water	02/14/20 09:42	02/15/20 10:10	
200-52663-9	B-50	Water	02/14/20 09:37	02/15/20 10:10	
200-52663-10	B-75	Water	02/14/20 09:33	02/15/20 10:10	

Phone: 802-660-1990 Fax: 802-660-1919

Chain of Custody Record

Alban

#224



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Client Information Client Contact: Stephen Phelps 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: sphpelps@pesnyinc.com Project Name: Stewart ANG Base #336089 Kroll Well Site:		Lab PM: Stone, Judy L E-Mail: judy.stone@testamericainc.com Due Date Requested: Standard (10-day) TAT Requested (days): PO #: 518-402-9813(Tel) Callout ID: 137132 WO #: Project #: 48020467 SOW#:		Carrier Trac 200-52663 Chain of Custody Page 1 of 1 Job #:	
Sample Identification		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Date 2-14-20		Sample Time 0927		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0927		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0947		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0947		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 1007		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 1007		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 1002		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 1002		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0932		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0932		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0942		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0942		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0137		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0137		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0933		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0933		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0933		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0933		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0933		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0933		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0933		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0933		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0933		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 0933		Field Filtered Sample (Yes or No) N	
Sample Date 2-14-20		Sample Time 0933		Matrix (W=water, S=solid, O=waste/oli, BT=Tissue, A=Air) Water	
Sample Type (C=Comp, G=grab) G=grab		Preservation Code: 093			

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 200-52663-1

Login Number: 52663

List Source: Eurofins TestAmerica, Burlington

List Number: 1

Creator: Khudaier, Zahraa

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	NA: Lab does not accept radioactive samples
The cooler's custody seal, if present, is intact.	True	1321578
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	1.6°C
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	PS
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.	N/A	
Sample Preservation Verified	True	
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	