

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

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www.dec.ny.gov

January 11, 2021

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

Re: New Windsor Public Water Supply Well PFAS Sample Results
Butterhill Wellfield, 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 **December 15, 2020** sampling of the temporary granular activated carbon (GAC) water treatment system by DEC representatives that was installed at the Town of New Windsor (Town) Butterhill Wellfield located at 181 Forge Hill Road. Please note that this was the first scheduled sampling event since the GAC was exchanged by the DEC in late November 2020.

No PFOS or PFOA was detected in the Butterhill temporary GAC-treated water. Effective August 26, 2020, the NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

The samples were analyzed for polyfluoroalkyl substances (PFAS), including Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS). Data received for the PFAS analysis has been attached.

During this event, sampling for PFAS was conducted at 19 locations.

- pre-treatment (raw untreated water), which has a "BH20201215PRE-GAC" identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 1), which has a "BH20201215-1North-25" identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 1), which has a "BH20201215-1North-50" identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 1), which has a "BH20201215-1North-75" identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 2), which has a "BH20201215-2North-25" identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 2), which has a "BH20201215-2North-50" identifier in the Client Sample ID;



Department of
Environmental
Conservation



- 75 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20201215-2North-75” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20201215-3North-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20201215-3North-50” identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20201215-3North-75” identifier in the Client Sample ID;
- Butterhill Well No.2 raw untreated water; which has a “BH20201215-2RAW” identifier in the Client Sample ID;
- Butterhill Well No.3 raw untreated water; which has a “BH20201215-3RAW” identifier in the Client Sample ID;
- Post-treatment (treated water after all GAC trains), which has a “BH20201215POST-GAC” identifier in the Client Sample ID.
- mid-treatment (after the first GAC canister in Pair Train No. 1 and prior to the second GAC canister in Pair Train No.1), which has a “BH20201215-1 MID” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 1), which has a “BH20201215-1 POST” identifier in the Client Sample ID;
- mid-treatment (after the first GAC canister in Pair Train No. 2 and prior to the second GAC canister in Pair Train No.2), which has a “BH20201215-2 MID” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 2), which has a “BH20201215-2 POST” identifier in the Client Sample ID;
- mid-treatment (after the first GAC canister in Pair Train No. 3 and prior to the second GAC canister in Pair Train No.3), which has a “BH20201215-3 MID” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 3), which has a “BH20201215-3 POST” identifier in the Client Sample ID;

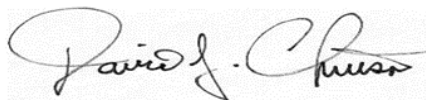
The 19 locations sampled (and their associated identifiers) are depicted in Figure 1. Please also note the following:

1. Lag Vessels (i.e. 25/50/75 sample locations) for all three trains were not sampled during this event.
2. Two Pre-GAC (after filtration) samples were collected (one analyzed using certified method WS-LC-0025 Att1 and other analyzed by method 537 (modified). Only results using method WS-LC0025 Att 1 have been reported in the attached table.
3. Two Post-GAC (combined flow) samples were collected (one analyzed using certified method WS-LC-0025 Att1 and other analyzed by method 537 (modified). Only results using method WS-LC0025 Att 1 have been reported in the attached table.

Please note that, with New York State Department of Health concurrence, GAC treatment system sample frequency moving forward has become quarterly. Therefore, the next sampling event will be scheduled around March 2021.

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 Dana Bryant, P.E., Arcadis (DEC's Project Engineer) at (518) 250-7347 or dana.bryant@arcadis.com. For weekday or off hour / weekend emergency repair issues, please call DEC's contractor, Carl Aldrich of Aztech Environmental Services at (518) 470-3052 or Todd Rollend at (518) 365-3333. For questions regarding site-related health concerns, please contact Steve Gagnon of the Orange County DOH at (845) 291-2331 or Steve Gladding, P.E., Ph.D of the NYSDOH Bureau of Water Supply Protection at (518) 402-7650; email: steven.gladding@health.ny.gov.

Sincerely,



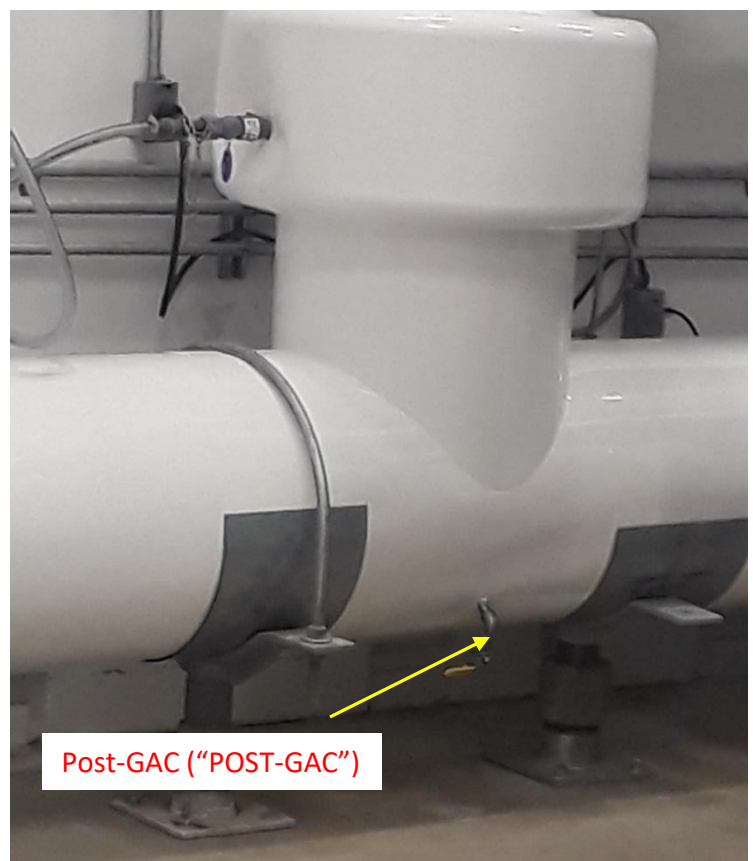
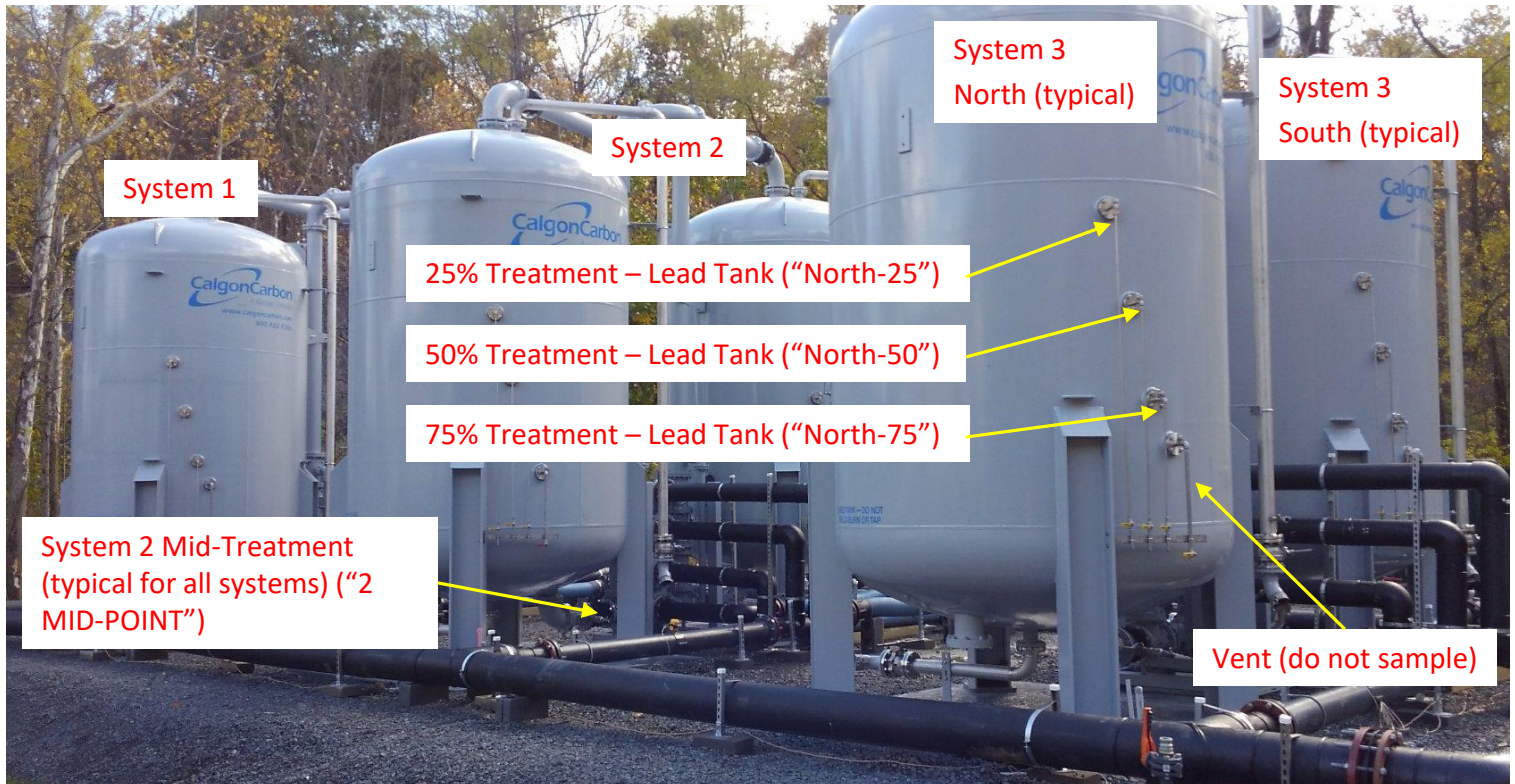
David J. Chiusano
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F. Fina, Aztech
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D. Bendell, Region 3 RHWRE
D. Harrington, NYSDEC

Figure 1
Sampling Locations

Butterhill Plant Temporary GAC Treatment System



- 25%, 50%, 75% Treatment sample locations repeated on the current Lag “South” Tanks.
- Post-treatment samples for each individual System can be collected after each Lag Tank, mirrored sample location to MID-POINT sample location on Lead Tanks.

Town of New Windsor
Butterhill Wellfield Temporary GAC Operation and Maintenance PFOA and PFOS Sampling Results * (Parts Per Trillion (PPT))¹

Date	Analyte	Well 1 Raw Water	Well 2 Raw Water	Well 3 Raw Water	Pre GAC Raw Water (Combined)	GAC Pair 1 Lead 25%(North)	GAC Pair 1 Lead 50%(North)	GAC Pair 1 Lead 75%(North)	GAC Pair 2 Lead 25% (North)	GAC Pair 2 Lead 50%(North)	GAC Pair 2 Lead 75%(North)	GAC Pair 3 Lead 25%(North)	GAC Pair 3 Lead 50%(North)	GAC Pair 3 Lead 75%(North)	Post GAC Treated Effluent	NYS MCLs ⁴
December 2019 (Well 3)	PFOA	2.6	3.5	5.0	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ⁴
	PFOS	3.7	2.4	8.9	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ⁴
January 2020 (Well 2)	PFOA	2.4	3.5	3.9	3.3	ND	ND	ND	2.2	ND	ND	1.8	ND	ND	ND	10 ⁴
	PFOS	3.3	2.4	7.7	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ⁴
February 2020 (Well 2)	PFOA	3.1	3.9	3.6	3.3	ND	ND	ND	2.7	ND	ND	2.3	ND	ND	ND	10 ⁴
	PFOS	3.6	2.7	6.0	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ⁴
March 2020 (Well 1)	PFOA	2.5	2.9	2.9	2.5	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	10 ⁴
	PFOS	3.6	2.8	5.4	3.3	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	10 ⁴
April 2020 (Well 1)	PFOA	3.0	3.1	2.8	2.8	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	10 ⁴
	PFOS	3.4	2.2	4.5	3.0	ND	ND	ND	2.0	ND	ND	ND	ND	ND	ND	10 ⁴
May 2020 (Well 3)	PFOA	3.3	NS	3.7	3.1	2.3	ND	ND	2.7	1.8	ND	2.4	ND	ND	ND	10 ⁴
	PFOS	3.8	NS	5.9	5.0	2.9	ND	ND	3.5	1.9	ND	3.0	ND	ND	ND	10 ⁴
August 2020 (Well 3)	PFOA	2.5	2.7	4.3	4.4	4.1	2.8	ND	3.9	3.1	1.8	4.1	2.6	ND	ND	10 ⁴
	PFOS	3.2	2.2	8.1	8.5	6.1	3.0	ND	6.2	3.5	ND	6.6	2.7	ND	ND	10 ⁴
December 2020 (Well 3**)	PFOA	NS ⁴	3.2	4.5	4.4	ND ²	ND	ND	1.8	ND	ND	2.0	ND	ND	ND	10 ⁴
	PFOS	NS ⁴	2.5	8.5	7.5	ND ²	ND	ND	1.8	ND	ND	2.1	ND	ND	ND	10 ⁴

Notes:

1. Lag Vessels (i.e. 25/50/75 sample locations) for all three trains were not sampled during this event.
2. Two Pre-GAC (after filtration) samples were collected (one analyzed using certified method WS-LC-0025 Att1and other analyzed by method 537 (modified). Only results using method WS-LC0025 Att 1 reported in table.
3. Two Post-GAC (combined flow) samples were collected (one analyzed using certified method WS-LC-0025 Att1and other analyzed by method 537 (modified). Only results using method WS-LC0025 Att 1 reported in table.

Town of New Windsor
Butterhill Wellfield Temporary GAC Operation and Maintenance PFOA and PFOS Sampling Results * (Parts Per Trillion (PPT))Continued

Date	Analyte	GAC Pair 1 Mid-Point	GAC Pair 1 Post	GAC Pair 1 Lag 25%(South)	GAC Pair 1 Lag 50% (South)	GAC Pair 1 Lag 75%(South)	GAC Pair 2 Mid-Point	GAC Pair 2 Post	GAC Pair 2 Lag 25% (South)	GAC Pair 2 Lag 50%(South)	GAC Pair 2 Lag 75%(South)	GAC Pair 3 Mid-Point	GAC Pair 3 Post	GAC Pair 3 Lag 25%(South)	GAC Pair 3 Lag 50%(South)	GAC Pair 3 Lag 75%(South)	NYS MCLs ³
February 2020 (Well 2)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ³
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ³
March 2020 (Well 1)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ³
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ³
April 2020 (Well 1)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ³
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ³
May 2020 (Well 3)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ³
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ³
August 2020 (Well 3)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ³
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10 ³
December 2020 (Well 3**)	PFOA	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	10 ³
	PFOS	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	10 ³

Notes:

- * 21 PFAS List Analysis.
- ** At time of sampling Production Well No. 1 was offline for repairs and Well No. 3 was in operation.
- 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. The NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.
- 4. NS: Not Sampled

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).

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

Laboratory Job ID: 320-67950-1

Client Project/Site: Stewart ANGB - Butterhill #336089

For:

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

Attn: Mr. Dave Chiusano



Authorized for release by:
12/29/2020 2:15:10 PM

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

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

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

Table of Contents

Cover Page	1
Table of Contents	2
Definitions/Glossary	3
Case Narrative	4
Detection Summary	5
Client Sample Results	8
Isotope Dilution Summary	25
QC Sample Results	28
QC Association Summary	37
Lab Chronicle	39
Certification Summary	43
Method Summary	44
Sample Summary	45
Chain of Custody	46
Receipt Checklists	49



Definitions/Glossary

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*+	LCS and/or LCSD is outside acceptance limits, high biased.
*5+	Isotope dilution analyte is outside acceptance limits, high biased.
I	Value is EMPC (estimated maximum possible concentration).

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
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 ANGB - Butterhill #336089

Job ID: 320-67950-1

Job ID: 320-67950-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-67950-1

Receipt

The samples were received on 12/16/2020 10:20 AM; the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 0.6° C.

Receipt Exceptions

The container label for the following sample did not match the information listed on the Chain-of-Custody (COC): BH20201215-1 POST (320-67950-3). Sample #3 (1/2) - time does not match.

COC: 09:29

Sample: 09:28

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC): BH20201215-POST GAC (320-67950-8[MS]) and BH20201215-POST GAC (320-67950-8[MSD]). Sample #8 MS and MSD (4/4) - time does not match.

COC	Sample
8MS: 09:04	09:02
8MSD: 09:02	09:04

LCMS

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-6:2 FTS in the following sample: BH20201215-2NORTH-75 (320-67950-19). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): The laboratory control sample (LCS) and the laboratory control sample duplicate (LCSD) for preparation batch 320-444719 and analytical batch 320-445090 recovered outside control limits for the following analyte: 8:2 FTS. This analyte was biased high in the LCS and was not detected in the associated samples; therefore, the data have been reported.

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. However, analyst judgement was used to positively identify the analyte. BH20201215-2 RAW (320-67950-10)

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

Organic Prep

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-444719 and 320-444719.

Method 3535: The following samples were cloudy prior to extraction: BH20201215-1NORTH-50 (320-67950-15) and BH20201215-2NORTH-25 (320-67950-17).

Method 3535: The following samples were preserved with trizma (SLCD7801): BH20201215-2 RAW (320-67950-10), BH20201215-3 RAW (320-67950-11), BH20201215-PRE-GAC (320-67950-12), BH20201215-1NORTH-25 (320-67950-14), BH20201215-1NORTH-50 (320-67950-15), BH20201215-1NORTH-75 (320-67950-16), BH20201215-2NORTH-25 (320-67950-17), BH20201215-2NORTH-50 (320-67950-18), BH20201215-2NORTH-75 (320-67950-19), BH20201215-3NORTH-25 (320-67950-20), BH20201215-3NORTH-50 (320-67950-21) and BH20201215-3NORTH-75 (320-67950-22). Thus, the MB, LCS and LCSD also contain trizma (SLCD7801).

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 320-445205.

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 ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-PRE GAC

Lab Sample ID: 320-67950-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanesulfonic acid (PFBS)	3.2		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.4		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	5.7		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA
Perfluorooctanesulfonic acid (PFOS)	7.5		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA
Perfluorooctanoic acid (PFOA)	4.4		2.0		ng/L	1		WS-LC-0025 Att1	Total/NA

Client Sample ID: BH20201215-1 MID

Lab Sample ID: 320-67950-2

No Detections.

Client Sample ID: BH20201215-1 POST

Lab Sample ID: 320-67950-3

No Detections.

Client Sample ID: BH20201215-2 MID

Lab Sample ID: 320-67950-4

No Detections.

Client Sample ID: BH20201215-2 POST

Lab Sample ID: 320-67950-5

No Detections.

Client Sample ID: BH20201215-3 MID

Lab Sample ID: 320-67950-6

No Detections.

Client Sample ID: BH20201215-3 POST

Lab Sample ID: 320-67950-7

No Detections.

Client Sample ID: BH20201215-POST GAC

Lab Sample ID: 320-67950-8

No Detections.

Client Sample ID: BH20201215-POST GAC(DUP)

Lab Sample ID: 320-67950-9

No Detections.

Client Sample ID: BH20201215-2 RAW

Lab Sample ID: 320-67950-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.3		4.9		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	7.6		2.0		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.9		2.0		ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.6		2.0		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.2		2.0		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.0		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.5	I	2.0		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20201215-3 RAW

Lab Sample ID: 320-67950-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.6		4.7		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	8.5		1.9		ng/L	1		537 (modified)	Total/NA

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Detection Summary

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-3 RAW (Continued)

Lab Sample ID: 320-67950-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorohexanoic acid (PFHxA)	6.5		1.9		ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.6		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.5		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.1		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	6.2		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.5		1.9		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20201215-PRE-GAC

Lab Sample ID: 320-67950-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.6		4.9		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	8.2		2.0		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	6.7		2.0		ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	3.6		2.0		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	4.8		2.0		ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.0		2.0		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	6.2		2.0		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	8.5		2.0		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20201215-POSTGAC

Lab Sample ID: 320-67950-13

No Detections.

Client Sample ID: BH20201215-1NORTH-25

Lab Sample ID: 320-67950-14

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: BH20201215-1NORTH-50

Lab Sample ID: 320-67950-15

No Detections.

Client Sample ID: BH20201215-1NORTH-75

Lab Sample ID: 320-67950-16

No Detections.

Client Sample ID: BH20201215-2NORTH-25

Lab Sample ID: 320-67950-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	4.7		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.4		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	1.8		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	1.8		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20201215-2NORTH-50

Lab Sample ID: 320-67950-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.5		1.9		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20201215-2NORTH-75

Lab Sample ID: 320-67950-19

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Detection Summary

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-3NORTH-25

Lab Sample ID: 320-67950-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.6		4.6		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	5.6		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	4.0		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.8		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.0		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.1		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20201215-3NORTH-50

Lab Sample ID: 320-67950-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluoropentanoic acid (PFPeA)	2.1		1.9		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20201215-3NORTH-75

Lab Sample ID: 320-67950-22

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 ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-PRE GAC

Lab Sample ID: 320-67950-1

Date Collected: 12/15/20 09:05

Matrix: Water

Date Received: 12/16/20 10:20

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	3.2		2.0		ng/L		12/22/20 17:14	12/23/20 17:52	1
Perfluoroheptanoic acid (PFHpA)	3.4		2.0		ng/L		12/22/20 17:14	12/23/20 17:52	1
Perfluorohexanesulfonic acid (PFHxS)	5.7		2.0		ng/L		12/22/20 17:14	12/23/20 17:52	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 17:52	1
Perfluorooctanesulfonic acid (PFOS)	7.5		2.0		ng/L		12/22/20 17:14	12/23/20 17:52	1
Perfluorooctanoic acid (PFOA)	4.4		2.0		ng/L		12/22/20 17:14	12/23/20 17:52	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFHpA	100		25 - 150				12/22/20 17:14	12/23/20 17:52	1
13C5 PFNA	102		25 - 150				12/22/20 17:14	12/23/20 17:52	1
13C4 PFOA	106		70 - 130				12/22/20 17:14	12/23/20 17:52	1
13C4 PFOS	103		70 - 130				12/22/20 17:14	12/23/20 17:52	1
18O2 PFHxS	104		25 - 150				12/22/20 17:14	12/23/20 17:52	1
13C3 PFBS	85		25 - 150				12/22/20 17:14	12/23/20 17:52	1

Client Sample ID: BH20201215-1 MID

Lab Sample ID: 320-67950-2

Date Collected: 12/15/20 09:25

Matrix: Water

Date Received: 12/16/20 10:20

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:11	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:11	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:11	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:11	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFHpA	109		25 - 150				12/22/20 17:14	12/23/20 18:11	1
13C5 PFNA	107		25 - 150				12/22/20 17:14	12/23/20 18:11	1
13C4 PFOA	116		70 - 130				12/22/20 17:14	12/23/20 18:11	1
13C4 PFOS	103		70 - 130				12/22/20 17:14	12/23/20 18:11	1
18O2 PFHxS	109		25 - 150				12/22/20 17:14	12/23/20 18:11	1
13C3 PFBS	94		25 - 150				12/22/20 17:14	12/23/20 18:11	1

Client Sample ID: BH20201215-1 POST

Lab Sample ID: 320-67950-3

Date Collected: 12/15/20 09:29

Matrix: Water

Date Received: 12/16/20 10:20

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:29	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:29	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:29	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:29	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:29	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:29	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-1 POST

Date Collected: 12/15/20 09:29

Date Received: 12/16/20 10:20

Lab Sample ID: 320-67950-3

Matrix: Water

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	102		25 - 150	12/22/20 17:14	12/23/20 18:29	1
13C5 PFNA	98		25 - 150	12/22/20 17:14	12/23/20 18:29	1
13C4 PFOA	103		70 - 130	12/22/20 17:14	12/23/20 18:29	1
13C4 PFOS	95		70 - 130	12/22/20 17:14	12/23/20 18:29	1
18O2 PFHxS	101		25 - 150	12/22/20 17:14	12/23/20 18:29	1
13C3 PFBS	89		25 - 150	12/22/20 17:14	12/23/20 18:29	1

Client Sample ID: BH20201215-2 MID

Date Collected: 12/15/20 09:41

Date Received: 12/16/20 10:20

Lab Sample ID: 320-67950-4

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:48	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:48	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:48	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:48	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:48	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 18:48	1
<i>Isotope Dilution</i>	<i>%Recovery</i>	<i>Qualifier</i>	<i>Limits</i>				<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFHpA	113		25 - 150				12/22/20 17:14	12/23/20 18:48	1
13C5 PFNA	108		25 - 150				12/22/20 17:14	12/23/20 18:48	1
13C4 PFOA	116		70 - 130				12/22/20 17:14	12/23/20 18:48	1
13C4 PFOS	108		70 - 130				12/22/20 17:14	12/23/20 18:48	1
18O2 PFHxS	110		25 - 150				12/22/20 17:14	12/23/20 18:48	1
13C3 PFBS	103		25 - 150				12/22/20 17:14	12/23/20 18:48	1

Client Sample ID: BH20201215-2 POST

Date Collected: 12/15/20 09:43

Date Received: 12/16/20 10:20

Lab Sample ID: 320-67950-5

Matrix: Water

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:06	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:06	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:06	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:06	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:06	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:06	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFHpA	108		25 - 150				12/22/20 17:14	12/23/20 19:06	1
13C5 PFNA	106		25 - 150				12/22/20 17:14	12/23/20 19:06	1
13C4 PFOA	113		70 - 130				12/22/20 17:14	12/23/20 19:06	1
13C4 PFOS	107		70 - 130				12/22/20 17:14	12/23/20 19:06	1
18O2 PFHxS	106		25 - 150				12/22/20 17:14	12/23/20 19:06	1
13C3 PFBS	96		25 - 150				12/22/20 17:14	12/23/20 19:06	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-3 MID

Lab Sample ID: 320-67950-6

Date Collected: 12/15/20 09:56

Matrix: Water

Date Received: 12/16/20 10:20

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:25	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:25	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:25	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:25	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:25	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:25	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFHpA	110		25 - 150				12/22/20 17:14	12/23/20 19:25	1
13C5 PFNA	110		25 - 150				12/22/20 17:14	12/23/20 19:25	1
13C4 PFOA	115		70 - 130				12/22/20 17:14	12/23/20 19:25	1
13C4 PFOS	105		70 - 130				12/22/20 17:14	12/23/20 19:25	1
18O2 PFHxS	104		25 - 150				12/22/20 17:14	12/23/20 19:25	1
13C3 PFBS	96		25 - 150				12/22/20 17:14	12/23/20 19:25	1

Client Sample ID: BH20201215-3 POST

Lab Sample ID: 320-67950-7

Date Collected: 12/15/20 10:00

Matrix: Water

Date Received: 12/16/20 10:20

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:43	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:43	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:43	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 19:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFHpA	104		25 - 150				12/22/20 17:14	12/23/20 19:43	1
13C5 PFNA	103		25 - 150				12/22/20 17:14	12/23/20 19:43	1
13C4 PFOA	106		70 - 130				12/22/20 17:14	12/23/20 19:43	1
13C4 PFOS	109		70 - 130				12/22/20 17:14	12/23/20 19:43	1
18O2 PFHxS	105		25 - 150				12/22/20 17:14	12/23/20 19:43	1
13C3 PFBS	95		25 - 150				12/22/20 17:14	12/23/20 19:43	1

Client Sample ID: BH20201215-POST GAC

Lab Sample ID: 320-67950-8

Date Collected: 12/15/20 09:00

Matrix: Water

Date Received: 12/16/20 10:20

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 20:02	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 20:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 20:02	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 20:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 20:02	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 20:02	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFHpA	106		25 - 150				12/22/20 17:14	12/23/20 20:02	1
13C5 PFNA	106		25 - 150				12/22/20 17:14	12/23/20 20:02	1
13C4 PFOA	104		70 - 130				12/22/20 17:14	12/23/20 20:02	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-POST GAC

Lab Sample ID: 320-67950-8

Date Collected: 12/15/20 09:00

Matrix: Water

Date Received: 12/16/20 10:20

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances (Continued)

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFOS	106		70 - 130	12/22/20 17:14	12/23/20 20:02	1
18O2 PFHxS	101		25 - 150	12/22/20 17:14	12/23/20 20:02	1
13C3 PFBS	94		25 - 150	12/22/20 17:14	12/23/20 20:02	1

Client Sample ID: BH20201215-POST GAC(DUP)

Lab Sample ID: 320-67950-9

Date Collected: 12/15/20 08:58

Matrix: Water

Date Received: 12/16/20 10:20

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 21:15	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 21:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 21:15	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 21:15	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 21:15	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 21:15	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFHpA	101		25 - 150				12/22/20 17:14	12/23/20 21:15	1
13C5 PFNA	105		25 - 150				12/22/20 17:14	12/23/20 21:15	1
13C4 PFOA	109		70 - 130				12/22/20 17:14	12/23/20 21:15	1
13C4 PFOS	102		70 - 130				12/22/20 17:14	12/23/20 21:15	1
18O2 PFHxS	97		25 - 150				12/22/20 17:14	12/23/20 21:15	1
13C3 PFBS	93		25 - 150				12/22/20 17:14	12/23/20 21:15	1

Client Sample ID: BH20201215-2 RAW

Lab Sample ID: 320-67950-10

Date Collected: 12/15/20 10:46

Matrix: Water

Date Received: 12/16/20 10:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.3		4.9		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluoropentanoic acid (PFPeA)	7.6		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorohexanoic acid (PFHxA)	4.9		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluoroheptanoic acid (PFHpA)	2.6		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorooctanoic acid (PFOA)	3.2		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorohexanesulfonic acid (PFHxS)	3.3		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorooctanesulfonic acid (PFOS)	2.5 I		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-2 RAW

Lab Sample ID: 320-67950-10

Date Collected: 12/15/20 10:46

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.9		ng/L		12/21/20 18:37	12/22/20 22:30	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.9		ng/L		12/21/20 18:37	12/22/20 22:30	1
6:2 FTS	ND		4.9		ng/L		12/21/20 18:37	12/22/20 22:30	1
8:2 FTS	ND	+	2.0		ng/L		12/21/20 18:37	12/22/20 22:30	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C5 PFPeA	81		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C2 PFHxA	92		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C4 PFHpA	93		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C4 PFOA	100		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C5 PFNA	98		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C2 PFDA	85		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C2 PFUnA	83		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C2 PFDoA	74		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C2 PFTeDA	91		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C3 PFBS	90		25 - 150				12/21/20 18:37	12/22/20 22:30	1
18O2 PFHxS	92		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C4 PFOS	83		25 - 150				12/21/20 18:37	12/22/20 22:30	1
13C8 FOSA	78		25 - 150				12/21/20 18:37	12/22/20 22:30	1
d3-NMeFOSAA	70		25 - 150				12/21/20 18:37	12/22/20 22:30	1
d5-NEtFOSAA	73		25 - 150				12/21/20 18:37	12/22/20 22:30	1
M2-6:2 FTS	99		25 - 150				12/21/20 18:37	12/22/20 22:30	1
M2-8:2 FTS	64		25 - 150				12/21/20 18:37	12/22/20 22:30	1

Client Sample ID: BH20201215-3 RAW

Lab Sample ID: 320-67950-11

Date Collected: 12/15/20 10:08

Matrix: Water

Date Received: 12/16/20 10:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.6		4.7		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluoropentanoic acid (PFPeA)	8.5		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorohexanoic acid (PFHxA)	6.5		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluoroheptanoic acid (PFHpA)	3.6		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorooctanoic acid (PFOA)	4.5		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorobutanesulfonic acid (PFBS)	3.1		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorohexanesulfonic acid (PFHxS)	6.2		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorooctanesulfonic acid (PFOS)	8.5		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-3 RAW

Lab Sample ID: 320-67950-11

Date Collected: 12/15/20 10:08

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.7		ng/L		12/21/20 18:37	12/22/20 22:40	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.7		ng/L		12/21/20 18:37	12/22/20 22:40	1
6:2 FTS	ND		4.7		ng/L		12/21/20 18:37	12/22/20 22:40	1
8:2 FTS	ND	+	1.9		ng/L		12/21/20 18:37	12/22/20 22:40	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	67		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C5 PFPeA	78		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C2 PFHxA	85		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C4 PFHpA	91		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C4 PFOA	97		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C5 PFNA	96		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C2 PFDA	90		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C2 PFUnA	85		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C2 PFDoA	83		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C2 PFTeDA	91		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C3 PFBS	84		25 - 150				12/21/20 18:37	12/22/20 22:40	1
18O2 PFHxS	87		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C4 PFOS	83		25 - 150				12/21/20 18:37	12/22/20 22:40	1
13C8 FOSA	80		25 - 150				12/21/20 18:37	12/22/20 22:40	1
d3-NMeFOSAA	76		25 - 150				12/21/20 18:37	12/22/20 22:40	1
d5-NEtFOSAA	79		25 - 150				12/21/20 18:37	12/22/20 22:40	1
M2-6:2 FTS	98		25 - 150				12/21/20 18:37	12/22/20 22:40	1
M2-8:2 FTS	77		25 - 150				12/21/20 18:37	12/22/20 22:40	1

Client Sample ID: BH20201215-PRE-GAC

Lab Sample ID: 320-67950-12

Date Collected: 12/15/20 09:07

Matrix: Water

Date Received: 12/16/20 10:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.6		4.9		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluoropentanoic acid (PFPeA)	8.2		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorohexanoic acid (PFHxA)	6.7		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluoroheptanoic acid (PFHpA)	3.6		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorooctanoic acid (PFOA)	4.8		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorobutanesulfonic acid (PFBS)	3.0		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorohexanesulfonic acid (PFHxS)	6.2		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-PRE-GAC

Lab Sample ID: 320-67950-12

Date Collected: 12/15/20 09:07

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	8.5		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.9		ng/L		12/21/20 18:37	12/22/20 22:49	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.9		ng/L		12/21/20 18:37	12/22/20 22:49	1
6:2 FTS	ND		4.9		ng/L		12/21/20 18:37	12/22/20 22:49	1
8:2 FTS	ND	+	2.0		ng/L		12/21/20 18:37	12/22/20 22:49	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	68		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C5 PFPeA	80		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C2 PFHxA	90		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C4 PFHpA	96		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C4 PFOA	97		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C5 PFNA	103		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C2 PFDA	101		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C2 PFUnA	92		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C2 PFDoA	97		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C2 PFTeDA	103		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C3 PFBS	86		25 - 150				12/21/20 18:37	12/22/20 22:49	1
18O2 PFHxS	91		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C4 PFOS	94		25 - 150				12/21/20 18:37	12/22/20 22:49	1
13C8 FOSA	89		25 - 150				12/21/20 18:37	12/22/20 22:49	1
d3-NMeFOSAA	88		25 - 150				12/21/20 18:37	12/22/20 22:49	1
d5-NEtFOSAA	95		25 - 150				12/21/20 18:37	12/22/20 22:49	1
M2-6:2 FTS	107		25 - 150				12/21/20 18:37	12/22/20 22:49	1
M2-8:2 FTS	88		25 - 150				12/21/20 18:37	12/22/20 22:49	1

Client Sample ID: BH20201215-POSTGAC

Lab Sample ID: 320-67950-13

Date Collected: 12/15/20 08:59

Matrix: Water

Date Received: 12/16/20 10:20

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		12/23/20 05:45	12/27/20 13:33	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-POSTGAC

Lab Sample ID: 320-67950-13

Date Collected: 12/15/20 08:59

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5		ng/L		12/23/20 05:45	12/27/20 13:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5		ng/L		12/23/20 05:45	12/27/20 13:33	1
6:2 FTS	ND		4.5		ng/L		12/23/20 05:45	12/27/20 13:33	1
8:2 FTS	ND		1.8		ng/L		12/23/20 05:45	12/27/20 13:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	96		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C5 PFPeA	87		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C2 PFHxA	102		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C4 PFHpA	110		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C4 PFOA	114		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C5 PFNA	113		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C2 PFDA	118		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C2 PFUnA	123		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C2 PFDoA	117		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C2 PFTeDA	125		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C3 PFBS	94		25 - 150				12/23/20 05:45	12/27/20 13:33	1
18O2 PFHxS	100		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C4 PFOS	101		25 - 150				12/23/20 05:45	12/27/20 13:33	1
13C8 FOSA	104		25 - 150				12/23/20 05:45	12/27/20 13:33	1
d3-NMeFOSAA	110		25 - 150				12/23/20 05:45	12/27/20 13:33	1
d5-NEtFOSAA	120		25 - 150				12/23/20 05:45	12/27/20 13:33	1
M2-6:2 FTS	106		25 - 150				12/23/20 05:45	12/27/20 13:33	1
M2-8:2 FTS	112		25 - 150				12/23/20 05:45	12/27/20 13:33	1

Client Sample ID: BH20201215-1NORTH-25

Lab Sample ID: 320-67950-14

Date Collected: 12/15/20 09:20

Matrix: Water

Date Received: 12/16/20 10:20

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		12/21/20 18:37	12/22/20 22:58	1
Perfluoropentanoic acid (PFPeA)	2.1		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-1NORTH-25

Lab Sample ID: 320-67950-14

Date Collected: 12/15/20 09:20

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		12/21/20 18:37	12/22/20 22:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		12/21/20 18:37	12/22/20 22:58	1
6:2 FTS	ND		4.6		ng/L		12/21/20 18:37	12/22/20 22:58	1
8:2 FTS	ND	+	1.8		ng/L		12/21/20 18:37	12/22/20 22:58	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	95		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C5 PFPeA	98		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C2 PFHxA	103		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C4 PFHpA	106		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C4 PFOA	108		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C5 PFNA	117		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C2 PFDA	104		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C2 PFUnA	102		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C2 PFDoA	97		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C2 PFTeDA	114		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C3 PFBS	99		25 - 150				12/21/20 18:37	12/22/20 22:58	1
18O2 PFHxS	101		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C4 PFOS	100		25 - 150				12/21/20 18:37	12/22/20 22:58	1
13C8 FOSA	98		25 - 150				12/21/20 18:37	12/22/20 22:58	1
d3-NMeFOSAA	94		25 - 150				12/21/20 18:37	12/22/20 22:58	1
d5-NEtFOSAA	100		25 - 150				12/21/20 18:37	12/22/20 22:58	1
M2-6:2 FTS	105		25 - 150				12/21/20 18:37	12/22/20 22:58	1
M2-8:2 FTS	79		25 - 150				12/21/20 18:37	12/22/20 22:58	1

Client Sample ID: BH20201215-1NORTH-50

Lab Sample ID: 320-67950-15

Date Collected: 12/15/20 09:21

Matrix: Water

Date Received: 12/16/20 10:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.7		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-1NORTH-50

Lab Sample ID: 320-67950-15

Date Collected: 12/15/20 09:21

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.7		ng/L		12/21/20 18:37	12/22/20 23:08	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.7		ng/L		12/21/20 18:37	12/22/20 23:08	1
6:2 FTS	ND		4.7		ng/L		12/21/20 18:37	12/22/20 23:08	1
8:2 FTS	ND	+	1.9		ng/L		12/21/20 18:37	12/22/20 23:08	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C5 PFPeA	90		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C2 PFHxA	93		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C4 PFHpA	95		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C4 PFOA	100		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C5 PFNA	96		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C2 PFDA	95		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C2 PFUnA	95		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C2 PFDoA	91		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C2 PFTeDA	103		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C3 PFBS	90		25 - 150				12/21/20 18:37	12/22/20 23:08	1
18O2 PFHxS	89		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C4 PFOS	89		25 - 150				12/21/20 18:37	12/22/20 23:08	1
13C8 FOSA	86		25 - 150				12/21/20 18:37	12/22/20 23:08	1
d3-NMeFOSAA	84		25 - 150				12/21/20 18:37	12/22/20 23:08	1
d5-NEtFOSAA	94		25 - 150				12/21/20 18:37	12/22/20 23:08	1
M2-6:2 FTS	93		25 - 150				12/21/20 18:37	12/22/20 23:08	1
M2-8:2 FTS	83		25 - 150				12/21/20 18:37	12/22/20 23:08	1

Client Sample ID: BH20201215-1NORTH-75

Lab Sample ID: 320-67950-16

Date Collected: 12/15/20 09:23

Matrix: Water

Date Received: 12/16/20 10:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.8		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-1NORTH-75

Lab Sample ID: 320-67950-16

Date Collected: 12/15/20 09:23

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.8		ng/L		12/21/20 18:37	12/22/20 23:17	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.8		ng/L		12/21/20 18:37	12/22/20 23:17	1
6:2 FTS	ND		4.8		ng/L		12/21/20 18:37	12/22/20 23:17	1
8:2 FTS	ND	+	1.9		ng/L		12/21/20 18:37	12/22/20 23:17	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	80		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C5 PFPeA	85		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C2 PFHxA	86		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C4 PFHpA	88		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C4 PFOA	99		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C5 PFNA	90		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C2 PFDA	92		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C2 PFUnA	88		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C2 PFDoA	89		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C2 PFTeDA	81		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C3 PFBS	85		25 - 150				12/21/20 18:37	12/22/20 23:17	1
18O2 PFHxS	85		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C4 PFOS	85		25 - 150				12/21/20 18:37	12/22/20 23:17	1
13C8 FOSA	83		25 - 150				12/21/20 18:37	12/22/20 23:17	1
d3-NMeFOSAA	84		25 - 150				12/21/20 18:37	12/22/20 23:17	1
d5-NEtFOSAA	89		25 - 150				12/21/20 18:37	12/22/20 23:17	1
M2-6:2 FTS	91		25 - 150				12/21/20 18:37	12/22/20 23:17	1
M2-8:2 FTS	74		25 - 150				12/21/20 18:37	12/22/20 23:17	1

Client Sample ID: BH20201215-2NORTH-25

Lab Sample ID: 320-67950-17

Date Collected: 12/15/20 09:35

Matrix: Water

Date Received: 12/16/20 10:20

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		12/21/20 18:37	12/22/20 23:26	1
Perfluoropentanoic acid (PFPeA)	4.7		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorohexanoic acid (PFHxA)	3.4		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorooctanoic acid (PFOA)	1.8		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-2NORTH-25

Lab Sample ID: 320-67950-17

Date Collected: 12/15/20 09:35

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	1.8		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.5		ng/L		12/21/20 18:37	12/22/20 23:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.5		ng/L		12/21/20 18:37	12/22/20 23:26	1
6:2 FTS	ND		4.5		ng/L		12/21/20 18:37	12/22/20 23:26	1
8:2 FTS	ND	+	1.8		ng/L		12/21/20 18:37	12/22/20 23:26	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C5 PFPeA	91		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C2 PFHxA	93		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C4 PFHpA	103		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C4 PFOA	110		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C5 PFNA	116		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C2 PFDA	104		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C2 PFUnA	83		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C2 PFDoA	98		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C2 PFTeDA	104		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C3 PFBS	95		25 - 150				12/21/20 18:37	12/22/20 23:26	1
18O2 PFHxS	97		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C4 PFOS	100		25 - 150				12/21/20 18:37	12/22/20 23:26	1
13C8 FOSA	92		25 - 150				12/21/20 18:37	12/22/20 23:26	1
d3-NMeFOSAA	110		25 - 150				12/21/20 18:37	12/22/20 23:26	1
d5-NEtFOSAA	98		25 - 150				12/21/20 18:37	12/22/20 23:26	1
M2-6:2 FTS	110		25 - 150				12/21/20 18:37	12/22/20 23:26	1
M2-8:2 FTS	80		25 - 150				12/21/20 18:37	12/22/20 23:26	1

Client Sample ID: BH20201215-2NORTH-50

Lab Sample ID: 320-67950-18

Date Collected: 12/15/20 09:37

Matrix: Water

Date Received: 12/16/20 10:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.7		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluoropentanoic acid (PFPeA)	2.5		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-2NORTH-50

Lab Sample ID: 320-67950-18

Date Collected: 12/15/20 09:37

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.7		ng/L		12/21/20 18:37	12/22/20 23:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.7		ng/L		12/21/20 18:37	12/22/20 23:54	1
6:2 FTS	ND		4.7		ng/L		12/21/20 18:37	12/22/20 23:54	1
8:2 FTS	ND	+	1.9		ng/L		12/21/20 18:37	12/22/20 23:54	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C5 PFPeA	95		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C2 PFHxA	97		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C4 PFHpA	104		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C4 PFOA	104		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C5 PFNA	102		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C2 PFDA	91		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C2 PFUnA	90		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C2 PFDoA	91		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C2 PFTeDA	94		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C3 PFBS	91		25 - 150				12/21/20 18:37	12/22/20 23:54	1
18O2 PFHxS	92		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C4 PFOS	89		25 - 150				12/21/20 18:37	12/22/20 23:54	1
13C8 FOSA	89		25 - 150				12/21/20 18:37	12/22/20 23:54	1
d3-NMeFOSAA	85		25 - 150				12/21/20 18:37	12/22/20 23:54	1
d5-NEtFOSAA	89		25 - 150				12/21/20 18:37	12/22/20 23:54	1
M2-6:2 FTS	99		25 - 150				12/21/20 18:37	12/22/20 23:54	1
M2-8:2 FTS	65		25 - 150				12/21/20 18:37	12/22/20 23:54	1

Client Sample ID: BH20201215-2NORTH-75

Lab Sample ID: 320-67950-19

Date Collected: 12/15/20 09:38

Matrix: Water

Date Received: 12/16/20 10:20

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		12/21/20 18:37	12/23/20 00:04	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-2NORTH-75

Lab Sample ID: 320-67950-19

Date Collected: 12/15/20 09:38

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		12/21/20 18:37	12/23/20 00:04	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		12/21/20 18:37	12/23/20 00:04	1
6:2 FTS	ND		4.6		ng/L		12/21/20 18:37	12/23/20 00:04	1
8:2 FTS	ND	+	1.9		ng/L		12/21/20 18:37	12/23/20 00:04	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C5 PFPeA	88		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C2 PFHxA	102		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C4 PFHpA	105		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C4 PFOA	109		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C5 PFNA	113		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C2 PFDA	109		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C2 PFUnA	103		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C2 PFDoA	104		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C2 PFTeDA	113		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C3 PFBS	89		25 - 150				12/21/20 18:37	12/23/20 00:04	1
18O2 PFHxS	97		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C4 PFOS	98		25 - 150				12/21/20 18:37	12/23/20 00:04	1
13C8 FOSA	96		25 - 150				12/21/20 18:37	12/23/20 00:04	1
d3-NMeFOSAA	96		25 - 150				12/21/20 18:37	12/23/20 00:04	1
d5-NEtFOSAA	103		25 - 150				12/21/20 18:37	12/23/20 00:04	1
M2-6:2 FTS	188	*5+	25 - 150				12/21/20 18:37	12/23/20 00:04	1
M2-8:2 FTS	98		25 - 150				12/21/20 18:37	12/23/20 00:04	1

Client Sample ID: BH20201215-3NORTH-25

Lab Sample ID: 320-67950-20

Date Collected: 12/15/20 09:51

Matrix: Water

Date Received: 12/16/20 10:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.6		4.6		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluoropentanoic acid (PFPeA)	5.6		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorohexanoic acid (PFHxA)	4.0		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluoroheptanoic acid (PFHpA)	1.8		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorooctanoic acid (PFOA)	2.0		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorohexanesulfonic acid (PFHxS)	2.1		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-3NORTH-25

Lab Sample ID: 320-67950-20

Date Collected: 12/15/20 09:51

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	2.1		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.6		ng/L		12/21/20 18:37	12/23/20 00:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.6		ng/L		12/21/20 18:37	12/23/20 00:13	1
6:2 FTS	ND		4.6		ng/L		12/21/20 18:37	12/23/20 00:13	1
8:2 FTS	ND	+	1.8		ng/L		12/21/20 18:37	12/23/20 00:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	79		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C5 PFPeA	88		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C2 PFHxA	95		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C4 PFHpA	99		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C4 PFOA	107		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C5 PFNA	107		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C2 PFDA	107		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C2 PFUnA	100		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C2 PFDoA	89		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C2 PFTeDA	105		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C3 PFBS	93		25 - 150				12/21/20 18:37	12/23/20 00:13	1
18O2 PFHxS	95		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C4 PFOS	97		25 - 150				12/21/20 18:37	12/23/20 00:13	1
13C8 FOSA	94		25 - 150				12/21/20 18:37	12/23/20 00:13	1
d3-NMeFOSAA	93		25 - 150				12/21/20 18:37	12/23/20 00:13	1
d5-NEtFOSAA	99		25 - 150				12/21/20 18:37	12/23/20 00:13	1
M2-6:2 FTS	121		25 - 150				12/21/20 18:37	12/23/20 00:13	1
M2-8:2 FTS	81		25 - 150				12/21/20 18:37	12/23/20 00:13	1

Client Sample ID: BH20201215-3NORTH-50

Lab Sample ID: 320-67950-21

Date Collected: 12/15/20 09:53

Matrix: Water

Date Received: 12/16/20 10:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.7		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluoropentanoic acid (PFPeA)	2.1		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-3NORTH-50

Lab Sample ID: 320-67950-21

Date Collected: 12/15/20 09:53

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.7		ng/L		12/21/20 18:37	12/23/20 00:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.7		ng/L		12/21/20 18:37	12/23/20 00:22	1
6:2 FTS	ND		4.7		ng/L		12/21/20 18:37	12/23/20 00:22	1
8:2 FTS	ND	+	1.9		ng/L		12/21/20 18:37	12/23/20 00:22	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C5 PFPeA	91		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C2 PFHxA	92		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C4 PFHpA	99		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C4 PFOA	103		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C5 PFNA	102		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C2 PFDA	95		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C2 PFUnA	89		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C2 PFDoA	90		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C2 PFTeDA	94		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C3 PFBS	90		25 - 150				12/21/20 18:37	12/23/20 00:22	1
18O2 PFHxS	92		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C4 PFOS	92		25 - 150				12/21/20 18:37	12/23/20 00:22	1
13C8 FOSA	91		25 - 150				12/21/20 18:37	12/23/20 00:22	1
d3-NMeFOSAA	85		25 - 150				12/21/20 18:37	12/23/20 00:22	1
d5-NEtFOSAA	95		25 - 150				12/21/20 18:37	12/23/20 00:22	1
M2-6:2 FTS	99		25 - 150				12/21/20 18:37	12/23/20 00:22	1
M2-8:2 FTS	69		25 - 150				12/21/20 18:37	12/23/20 00:22	1

Client Sample ID: BH20201215-3NORTH-75

Lab Sample ID: 320-67950-22

Date Collected: 12/15/20 09:54

Matrix: Water

Date Received: 12/16/20 10:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		4.8		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1

Eurofins TestAmerica, Sacramento

Client Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-3NORTH-75

Lab Sample ID: 320-67950-22

Date Collected: 12/15/20 09:54

Matrix: Water

Date Received: 12/16/20 10:20

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		4.8		ng/L		12/21/20 18:37	12/23/20 00:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		4.8		ng/L		12/21/20 18:37	12/23/20 00:32	1
6:2 FTS	ND		4.8		ng/L		12/21/20 18:37	12/23/20 00:32	1
8:2 FTS	ND	*+	1.9		ng/L		12/21/20 18:37	12/23/20 00:32	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	83		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C5 PFPeA	90		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C2 PFHxA	91		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C4 PFHpA	95		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C4 PFOA	102		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C5 PFNA	96		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C2 PFDA	90		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C2 PFUnA	88		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C2 PFDoA	86		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C2 PFTeDA	90		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C3 PFBS	87		25 - 150				12/21/20 18:37	12/23/20 00:32	1
18O2 PFHxS	89		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C4 PFOS	90		25 - 150				12/21/20 18:37	12/23/20 00:32	1
13C8 FOSA	86		25 - 150				12/21/20 18:37	12/23/20 00:32	1
d3-NMeFOSAA	86		25 - 150				12/21/20 18:37	12/23/20 00:32	1
d5-NEtFOSAA	92		25 - 150				12/21/20 18:37	12/23/20 00:32	1
M2-6:2 FTS	93		25 - 150				12/21/20 18:37	12/23/20 00:32	1
M2-8:2 FTS	73		25 - 150				12/21/20 18:37	12/23/20 00:32	1

Isotope Dilution Summary

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-67950-10	BH20201215-2 RAW	75	81	92	93	100	98	85	83
320-67950-11	BH20201215-3 RAW	67	78	85	91	97	96	90	85
320-67950-12	BH20201215-PRE-GAC	68	80	90	96	97	103	101	92
320-67950-13	BH20201215-POSTGAC	96	87	102	110	114	113	118	123
320-67950-14	BH20201215-1NORTH-25	95	98	103	106	108	117	104	102
320-67950-15	BH20201215-1NORTH-50	87	90	93	95	100	96	95	95
320-67950-16	BH20201215-1NORTH-75	80	85	86	88	99	90	92	88
320-67950-17	BH20201215-2NORTH-25	85	91	93	103	110	116	104	83
320-67950-18	BH20201215-2NORTH-50	87	95	97	104	104	102	91	90
320-67950-19	BH20201215-2NORTH-75	89	88	102	105	109	113	109	103
320-67950-20	BH20201215-3NORTH-25	79	88	95	99	107	107	107	100
320-67950-21	BH20201215-3NORTH-50	84	91	92	99	103	102	95	89
320-67950-22	BH20201215-3NORTH-75	83	90	91	95	102	96	90	88
LCS 320-444719/2-A	Lab Control Sample	80	85	82	89	93	93	91	92
LCS 320-445205/2-A	Lab Control Sample	100	95	112	115	115	120	125	128
LCSD 320-444719/3-A	Lab Control Sample Dup	88	94	95	95	102	97	98	94
LCSD 320-445205/3-A	Lab Control Sample Dup	92	86	105	110	112	108	118	121
MB 320-444719/1-A	Method Blank	100	105	105	111	111	111	109	110
MB 320-445205/1-A	Method Blank	93	87	105	108	110	106	113	118
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	PFDaA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-67950-10	BH20201215-2 RAW	74	91	90	92	83	78	70	73
320-67950-11	BH20201215-3 RAW	83	91	84	87	83	80	76	79
320-67950-12	BH20201215-PRE-GAC	97	103	86	91	94	89	88	95
320-67950-13	BH20201215-POSTGAC	117	125	94	100	101	104	110	120
320-67950-14	BH20201215-1NORTH-25	97	114	99	101	100	98	94	100
320-67950-15	BH20201215-1NORTH-50	91	103	90	89	89	86	84	94
320-67950-16	BH20201215-1NORTH-75	89	81	85	85	85	83	84	89
320-67950-17	BH20201215-2NORTH-25	98	104	95	97	100	92	110	98
320-67950-18	BH20201215-2NORTH-50	91	94	91	92	89	89	85	89
320-67950-19	BH20201215-2NORTH-75	104	113	89	97	98	96	96	103
320-67950-20	BH20201215-3NORTH-25	89	105	93	95	97	94	93	99
320-67950-21	BH20201215-3NORTH-50	90	94	90	92	92	91	85	95
320-67950-22	BH20201215-3NORTH-75	86	90	87	89	90	86	86	92
LCS 320-444719/2-A	Lab Control Sample	85	97	83	83	87	85	85	88
LCS 320-445205/2-A	Lab Control Sample	135	130	101	99	108	110	121	123
LCSD 320-444719/3-A	Lab Control Sample Dup	100	106	92	89	93	90	91	97
LCSD 320-445205/3-A	Lab Control Sample Dup	127	127	92	102	105	109	114	115
MB 320-444719/1-A	Method Blank	98	110	101	102	105	104	97	111
MB 320-445205/1-A	Method Blank	122	128	92	97	103	106	113	119
		Percent Isotope Dilution Recovery (Acceptance Limits)							
Lab Sample ID	Client Sample ID	M262FTS (25-150)	M282FTS (25-150)						
320-67950-10	BH20201215-2 RAW	99	64						
320-67950-11	BH20201215-3 RAW	98	77						
320-67950-12	BH20201215-PRE-GAC	107	88						
320-67950-13	BH20201215-POSTGAC	106	112						
320-67950-14	BH20201215-1NORTH-25	105	79						

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Isotope Dilution Summary

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

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

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)	
		M262FTS (25-150)	M282FTS (25-150)
320-67950-15	BH20201215-1NORTH-50	93	83
320-67950-16	BH20201215-1NORTH-75	91	74
320-67950-17	BH20201215-2NORTH-25	110	80
320-67950-18	BH20201215-2NORTH-50	99	65
320-67950-19	BH20201215-2NORTH-75	188 *5+	98
320-67950-20	BH20201215-3NORTH-25	121	81
320-67950-21	BH20201215-3NORTH-50	99	69
320-67950-22	BH20201215-3NORTH-75	93	73
LCS 320-444719/2-A	Lab Control Sample	85	65
LCS 320-445205/2-A	Lab Control Sample	104	113
LCSD 320-444719/3-A	Lab Control Sample Dup	97	86
LCSD 320-445205/3-A	Lab Control Sample Dup	99	110
MB 320-444719/1-A	Method Blank	107	86
MB 320-445205/1-A	Method Blank	102	107

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
PFDaA = 13C2 PFDaA
PFTDA = 13C2 PFTeDA
C3PFBS = 13C3 PFBS
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

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)					
		C4PFHA (25-150)	PFNA (25-150)	PFOA (70-130)	PFOS (70-130)	PFHxS (25-150)	C3PFBS (25-150)
320-67950-1	BH20201215-PRE GAC	100	102	106	103	104	85
320-67950-2	BH20201215-1 MID	109	107	116	103	109	94
320-67950-3	BH20201215-1 POST	102	98	103	95	101	89
320-67950-4	BH20201215-2 MID	113	108	116	108	110	103
320-67950-5	BH20201215-2 POST	108	106	113	107	106	96
320-67950-6	BH20201215-3 MID	110	110	115	105	104	96
320-67950-7	BH20201215-3 POST	104	103	106	109	105	95
320-67950-8	BH20201215-POST GAC	106	106	104	106	101	94
320-67950-8 MS	BH20201215-POST GAC	105	107	103	101	103	92
320-67950-8 MSD	BH20201215-POST GAC	97	97	103	94	96	85

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Isotope Dilution Summary

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances (Continued)

Matrix: Water

Prep Type: Total/NA

Percent Isotope Dilution Recovery (Acceptance Limits)

Lab Sample ID	Client Sample ID	C4PFHA (25-150)	PFNA (25-150)	PFOA (70-130)	PFOS (70-130)	PFHxS (25-150)	C3PFBS (25-150)
320-67950-9	BH20201215-POST GAC(DUP)	101	105	109	102	97	93
LCS 320-445135/2-A	Lab Control Sample	115	104	115	103	103	96
MB 320-445135/1-A	Method Blank	108	109	122	103	102	93

Surrogate Legend

C4PFHA = 13C4 PFHpA
PFNA = 13C5 PFNA
PFOA = 13C4 PFOA
PFOS = 13C4 PFOS
PFHxS = 18O2 PFHxS
C3PFBS = 13C3 PFBS

QC Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-444719/1-A

Matrix: Water

Analysis Batch: 445090

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 444719

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		5.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
6:2 FTS	ND		5.0		ng/L		12/21/20 18:37	12/22/20 22:02	1
8:2 FTS	ND		2.0		ng/L		12/21/20 18:37	12/22/20 22:02	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C5 PFPeA	105		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C2 PFHxA	105		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C4 PFHpA	111		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C4 PFOA	111		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C5 PFNA	111		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C2 PFDA	109		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C2 PFUnA	110		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C2 PFDoA	98		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C2 PFTeDA	110		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C3 PFBS	101		25 - 150	12/21/20 18:37	12/22/20 22:02	1
18O2 PFHxS	102		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C4 PFOS	105		25 - 150	12/21/20 18:37	12/22/20 22:02	1
13C8 FOSA	104		25 - 150	12/21/20 18:37	12/22/20 22:02	1
d3-NMeFOSAA	97		25 - 150	12/21/20 18:37	12/22/20 22:02	1
d5-NEtFOSAA	111		25 - 150	12/21/20 18:37	12/22/20 22:02	1
M2-6:2 FTS	107		25 - 150	12/21/20 18:37	12/22/20 22:02	1
M2-8:2 FTS	86		25 - 150	12/21/20 18:37	12/22/20 22:02	1

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

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

Lab Sample ID: LCS 320-444719/2-A

Matrix: Water

Analysis Batch: 445090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 444719

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	42.5		ng/L		106	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	38.3		ng/L		96	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	43.6		ng/L		109	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	41.3		ng/L		103	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	40.6		ng/L		102	70 - 130
Perfluorononanoic acid (PFNA)	40.0	42.0		ng/L		105	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.6		ng/L		104	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	38.7		ng/L		97	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	42.6		ng/L		107	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	45.3		ng/L		113	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	42.1		ng/L		105	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	37.6		ng/L		106	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.2		ng/L		99	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	39.9		ng/L		105	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.1	37.5		ng/L		101	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	38.7		ng/L		100	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	43.9		ng/L		110	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	41.4		ng/L		103	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	40.9		ng/L		102	76 - 136
6:2 FTS	37.9	37.3		ng/L		98	59 - 175
8:2 FTS	38.3	55.3	*+	ng/L		144	75 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	80		25 - 150
13C5 PFPeA	85		25 - 150
13C2 PFHxA	82		25 - 150
13C4 PFHpA	89		25 - 150
13C4 PFOA	93		25 - 150
13C5 PFNA	93		25 - 150
13C2 PFDA	91		25 - 150
13C2 PFUnA	92		25 - 150
13C2 PFDoA	85		25 - 150
13C2 PFTeDA	97		25 - 150
13C3 PFBS	83		25 - 150
18O2 PFHxS	83		25 - 150
13C4 PFOS	87		25 - 150
13C8 FOSA	85		25 - 150
d3-NMeFOSAA	85		25 - 150
d5-NEtFOSAA	88		25 - 150

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

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

Lab Sample ID: LCS 320-444719/2-A

Matrix: Water

Analysis Batch: 445090

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 444719

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
M2-6:2 FTS	85		25 - 150
M2-8:2 FTS	65		25 - 150

Lab Sample ID: LCSD 320-444719/3-A

Matrix: Water

Analysis Batch: 445090

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 444719

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	43.6		ng/L		109	76 - 136	3		30
Perfluoropentanoic acid (PFPeA)	40.0	39.0		ng/L		97	71 - 131	2		30
Perfluorohexanoic acid (PFHxA)	40.0	43.7		ng/L		109	73 - 133	0		30
Perfluoroheptanoic acid (PFHpA)	40.0	44.2		ng/L		110	72 - 132	7		30
Perfluorooctanoic acid (PFOA)	40.0	38.5		ng/L		96	70 - 130	5		30
Perfluorononanoic acid (PFNA)	40.0	42.7		ng/L		107	75 - 135	2		30
Perfluorodecanoic acid (PFDA)	40.0	41.1		ng/L		103	76 - 136	1		30
Perfluoroundecanoic acid (PFUnA)	40.0	44.1		ng/L		110	68 - 128	13		30
Perfluorododecanoic acid (PFDoA)	40.0	42.4		ng/L		106	71 - 131	0		30
Perfluorotridecanoic acid (PFTriA)	40.0	43.3		ng/L		108	71 - 131	5		30
Perfluorotetradecanoic acid (PFTeA)	40.0	42.7		ng/L		107	70 - 130	1		30
Perfluorobutanesulfonic acid (PFBS)	35.4	37.6		ng/L		106	67 - 127	0		30
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.3		ng/L		100	59 - 119	0		30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	43.6		ng/L		115	76 - 136	9		30
Perfluorooctanesulfonic acid (PFOS)	37.1	37.6		ng/L		101	70 - 130	0		30
Perfluorodecanesulfonic acid (PFDS)	38.6	38.7		ng/L		100	71 - 131	0		30
Perfluorooctanesulfonamide (FOSA)	40.0	44.1		ng/L		110	73 - 133	0		30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	42.0		ng/L		105	76 - 136	2		30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	40.5		ng/L		101	76 - 136	1		30
6:2 FTS	37.9	37.0		ng/L		98	59 - 175	1		30
8:2 FTS	38.3	52.0	++	ng/L		136	75 - 135	6		30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	88		25 - 150
13C5 PFPeA	94		25 - 150
13C2 PFHxA	95		25 - 150
13C4 PFHpA	95		25 - 150
13C4 PFOA	102		25 - 150
13C5 PFNA	97		25 - 150
13C2 PFDA	98		25 - 150
13C2 PFUnA	94		25 - 150
13C2 PFDoA	100		25 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

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

Lab Sample ID: LCSD 320-444719/3-A

Matrix: Water

Analysis Batch: 445090

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 444719

<i>Isotope Dilution</i>	<i>LCSD %Recovery</i>	<i>LCSD Qualifier</i>	<i>Limits</i>
13C2 PFTeDA	106		25 - 150
13C3 PFBS	92		25 - 150
18O2 PFHxS	89		25 - 150
13C4 PFOS	93		25 - 150
13C8 FOSA	90		25 - 150
d3-NMeFOSAA	91		25 - 150
d5-NEtFOSAA	97		25 - 150
M2-6:2 FTS	97		25 - 150
M2-8:2 FTS	86		25 - 150

Lab Sample ID: MB 320-445205/1-A

Matrix: Water

Analysis Batch: 445981

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 445205

<i>Analyte</i>	<i>MB Result</i>	<i>MB Qualifier</i>	<i>RL</i>	<i>MDL</i>	<i>Unit</i>	<i>D</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
Perfluorobutanoic acid (PFBA)	ND		5.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		5.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		5.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
6:2 FTS	ND		5.0		ng/L		12/23/20 05:45	12/27/20 13:05	1
8:2 FTS	ND		2.0		ng/L		12/23/20 05:45	12/27/20 13:05	1

<i>Isotope Dilution</i>	<i>MB %Recovery</i>	<i>MB Qualifier</i>	<i>Limits</i>	<i>Prepared</i>	<i>Analyzed</i>	<i>Dil Fac</i>
13C4 PFBA	93		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C5 PFPeA	87		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C2 PFHxA	105		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C4 PFHpA	108		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C4 PFOA	110		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C5 PFNA	106		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C2 PFDA	113		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C2 PFUnA	118		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C2 PFDoA	122		25 - 150	12/23/20 05:45	12/27/20 13:05	1

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

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

Lab Sample ID: MB 320-445205/1-A

Matrix: Water

Analysis Batch: 445981

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 445205

Isotope Dilution	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
13C2 PFTeDA	128		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C3 PFBS	92		25 - 150	12/23/20 05:45	12/27/20 13:05	1
18O2 PFHxS	97		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C4 PFOS	103		25 - 150	12/23/20 05:45	12/27/20 13:05	1
13C8 FOSA	106		25 - 150	12/23/20 05:45	12/27/20 13:05	1
d3-NMeFOSAA	113		25 - 150	12/23/20 05:45	12/27/20 13:05	1
d5-NEtFOSAA	119		25 - 150	12/23/20 05:45	12/27/20 13:05	1
M2-6:2 FTS	102		25 - 150	12/23/20 05:45	12/27/20 13:05	1
M2-8:2 FTS	107		25 - 150	12/23/20 05:45	12/27/20 13:05	1

Lab Sample ID: LCS 320-445205/2-A

Matrix: Water

Analysis Batch: 445981

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 445205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	38.2		ng/L		96	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	37.4		ng/L		93	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	37.8		ng/L		94	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	38.6		ng/L		97	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	37.3		ng/L		93	70 - 130
Perfluorononanoic acid (PFNA)	40.0	39.8		ng/L		100	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.3		ng/L		98	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	34.7		ng/L		87	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	40.0		ng/L		100	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	43.1		ng/L		108	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	41.1		ng/L		103	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	34.0		ng/L		96	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.4	35.2		ng/L		97	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	36.8		ng/L		97	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.1	36.9		ng/L		99	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	40.5		ng/L		105	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	43.9		ng/L		110	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.9		ng/L		97	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.4		ng/L		98	76 - 136
6:2 FTS	37.9	35.9		ng/L		95	59 - 175
8:2 FTS	38.3	39.8		ng/L		104	75 - 135
Isotope Dilution	LCS LCS		Limits				
	%Recovery	Qualifier					
13C4 PFBA	100		25 - 150				
13C5 PFPeA	95		25 - 150				

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

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

Lab Sample ID: LCS 320-445205/2-A

Matrix: Water

Analysis Batch: 445981

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 445205

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFHxA	112		25 - 150
13C4 PFHpA	115		25 - 150
13C4 PFOA	115		25 - 150
13C5 PFNA	120		25 - 150
13C2 PFDA	125		25 - 150
13C2 PFUnA	128		25 - 150
13C2 PFDoA	135		25 - 150
13C2 PFTeDA	130		25 - 150
13C3 PFBS	101		25 - 150
18O2 PFHxS	99		25 - 150
13C4 PFOS	108		25 - 150
13C8 FOSA	110		25 - 150
d3-NMeFOSAA	121		25 - 150
d5-NEtFOSAA	123		25 - 150
M2-6:2 FTS	104		25 - 150
M2-8:2 FTS	113		25 - 150

Lab Sample ID: LCSD 320-445205/3-A

Matrix: Water

Analysis Batch: 445981

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 445205

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	38.4		ng/L		96	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)	40.0	39.7		ng/L		99	71 - 131	6	30
Perfluorohexanoic acid (PFHxA)	40.0	37.9		ng/L		95	73 - 133	0	30
Perfluoroheptanoic acid (PFHpA)	40.0	39.8		ng/L		100	72 - 132	3	30
Perfluorooctanoic acid (PFOA)	40.0	37.6		ng/L		94	70 - 130	1	30
Perfluorononanoic acid (PFNA)	40.0	43.7		ng/L		109	75 - 135	9	30
Perfluorodecanoic acid (PFDA)	40.0	38.3		ng/L		96	76 - 136	3	30
Perfluoroundecanoic acid (PFUnA)	40.0	35.9		ng/L		90	68 - 128	3	30
Perfluorododecanoic acid (PFDoA)	40.0	41.1		ng/L		103	71 - 131	3	30
Perfluorotridecanoic acid (PFTriA)	40.0	43.4		ng/L		109	71 - 131	1	30
Perfluorotetradecanoic acid (PFTeA)	40.0	42.0		ng/L		105	70 - 130	2	30
Perfluorobutanesulfonic acid (PFBS)	35.4	37.0		ng/L		105	67 - 127	8	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.2		ng/L		94	59 - 119	3	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	37.9		ng/L		100	76 - 136	3	30
Perfluorooctanesulfonic acid (PFOS)	37.1	36.1		ng/L		97	70 - 130	2	30
Perfluorodecanesulfonic acid (PFDS)	38.6	38.9		ng/L		101	71 - 131	4	30
Perfluorooctanesulfonamide (FOSA)	40.0	42.4		ng/L		106	73 - 133	4	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	40.6		ng/L		102	76 - 136	4	30

Eurofins TestAmerica, Sacramento

QC Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

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

Lab Sample ID: LCSD 320-445205/3-A

Matrix: Water

Analysis Batch: 445981

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 445205

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-ethylperfluorooctanesulfonamide doacetic acid (NETFOSAA)	40.0	40.2		ng/L		100	76 - 136	2	30
6:2 FTS	37.9	37.0		ng/L		97	59 - 175	3	30
8:2 FTS	38.3	39.9		ng/L		104	75 - 135	0	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	LCSD Limits
13C4 PFBA	92		25 - 150
13C5 PFPeA	86		25 - 150
13C2 PFHxA	105		25 - 150
13C4 PFHpA	110		25 - 150
13C4 PFOA	112		25 - 150
13C5 PFNA	108		25 - 150
13C2 PFDA	118		25 - 150
13C2 PFUnA	121		25 - 150
13C2 PFDoA	127		25 - 150
13C2 PFTeDA	127		25 - 150
13C3 PFBS	92		25 - 150
18O2 PFHxS	102		25 - 150
13C4 PFOS	105		25 - 150
13C8 FOSA	109		25 - 150
d3-NMeFOSAA	114		25 - 150
d5-NEtFOSAA	115		25 - 150
M2-6:2 FTS	99		25 - 150
M2-8:2 FTS	110		25 - 150

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-445135/1-A

Matrix: Water

Analysis Batch: 445211

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 445135

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 14:30	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 14:30	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 14:30	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 14:30	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 14:30	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		12/22/20 17:14	12/23/20 14:30	1

Isotope Dilution	MB %Recovery	MB Qualifier	MB Limits	Prepared	Analyzed	Dil Fac
13C4 PFHpA	108		25 - 150	12/22/20 17:14	12/23/20 14:30	1
13C5 PFNA	109		25 - 150	12/22/20 17:14	12/23/20 14:30	1
13C4 PFOA	122		70 - 130	12/22/20 17:14	12/23/20 14:30	1
13C4 PFOS	103		70 - 130	12/22/20 17:14	12/23/20 14:30	1
18O2 PFHxS	102		25 - 150	12/22/20 17:14	12/23/20 14:30	1
13C3 PFBS	93		25 - 150	12/22/20 17:14	12/23/20 14:30	1

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: LCS 320-445135/2-A

Matrix: Water

Analysis Batch: 445211

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 445135

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanesulfonic acid (PFBS)	17.7	19.0		ng/L		108	72 - 151
Perfluoroheptanoic acid (PFHpA)	20.0	19.5		ng/L		97	71 - 138
Perfluorohexanesulfonic acid (PFHxS)	18.2	19.4		ng/L		107	73 - 157
Perfluorononanoic acid (PFNA)	20.0	22.1		ng/L		110	73 - 147
Perfluorooctanesulfonic acid (PFOS)	18.6	17.7		ng/L		95	70 - 130
Perfluorooctanoic acid (PFOA)	20.0	19.7		ng/L		99	70 - 130
Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits				
13C4 PFHpA	115		25 - 150				
13C5 PFNA	104		25 - 150				
13C4 PFOA	115		70 - 130				
13C4 PFOS	103		70 - 130				
18O2 PFHxS	103		25 - 150				
13C3 PFBS	96		25 - 150				

Lab Sample ID: 320-67950-8 MS

Matrix: Water

Analysis Batch: 445211

Client Sample ID: BH20201215-POST GAC

Prep Type: Total/NA

Prep Batch: 445135

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec.		
	Result	Qualifier	Added	Result	Qualifier			Limits		
Perfluorobutanesulfonic acid (PFBS)	ND		15.8	17.2		ng/L		109	72 - 151	
Perfluoroheptanoic acid (PFHpA)	ND		17.9	17.8		ng/L		100	71 - 138	
Perfluorohexanesulfonic acid (PFHxS)	ND		16.3	16.9		ng/L		104	73 - 157	
Perfluorononanoic acid (PFNA)	ND		17.9	15.0		ng/L		84	73 - 147	
Perfluorooctanesulfonic acid (PFOS)	ND		16.6	14.4		ng/L		87	70 - 130	
Perfluorooctanoic acid (PFOA)	ND		17.9	17.3		ng/L		97	70 - 130	
	MS	MS								
Isotope Dilution	%Recovery	Qualifier	Limits							
13C4 PFHpA	105		25 - 150							
13C5 PFNA	107		25 - 150							
13C4 PFOA	103		70 - 130							
13C4 PFOS	101		70 - 130							
18O2 PFHxS	103		25 - 150							
13C3 PFBS	92		25 - 150							

Lab Sample ID: 320-67950-8 MSD

Matrix: Water

Analysis Batch: 445211

Client Sample ID: BH20201215-POST GAC

Prep Type: Total/NA

Prep Batch: 445135

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Perfluorobutanesulfonic acid (PFBS)	ND		15.5	16.7		ng/L		108	72 - 151	3	30
Perfluoroheptanoic acid (PFHpA)	ND		17.5	18.0		ng/L		103	71 - 138	1	30
Perfluorohexanesulfonic acid (PFHxS)	ND		15.9	17.7		ng/L		111	73 - 157	5	30

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QC Sample Results

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Method: WS-LC-0025 Att1 - Fluorinated Alkyl Substances (Continued)

Lab Sample ID: 320-67950-8 MSD

Matrix: Water

Analysis Batch: 445211

Client Sample ID: BH20201215-POST GAC

Prep Type: Total/NA

Prep Batch: 445135

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorononanoic acid (PFNA)	ND		17.5	17.0		ng/L		97	73 - 147	12	30
Perfluorooctanesulfonic acid (PFOS)	ND		16.2	14.5		ng/L		89	70 - 130	0	20
Perfluorooctanoic acid (PFOA)	ND		17.5	17.0		ng/L		97	70 - 130	2	20
Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits								
13C4 PFHpA	97		25 - 150								
13C5 PFNA	97		25 - 150								
13C4 PFOA	103		70 - 130								
13C4 PFOS	94		70 - 130								
18O2 PFHxS	96		25 - 150								
13C3 PFBS	85		25 - 150								

QC Association Summary

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

LCMS

Prep Batch: 444719

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-67950-10	BH20201215-2 RAW	Total/NA	Water	3535	
320-67950-11	BH20201215-3 RAW	Total/NA	Water	3535	
320-67950-12	BH20201215-PRE-GAC	Total/NA	Water	3535	
320-67950-14	BH20201215-1NORTH-25	Total/NA	Water	3535	
320-67950-15	BH20201215-1NORTH-50	Total/NA	Water	3535	
320-67950-16	BH20201215-1NORTH-75	Total/NA	Water	3535	
320-67950-17	BH20201215-2NORTH-25	Total/NA	Water	3535	
320-67950-18	BH20201215-2NORTH-50	Total/NA	Water	3535	
320-67950-19	BH20201215-2NORTH-75	Total/NA	Water	3535	
320-67950-20	BH20201215-3NORTH-25	Total/NA	Water	3535	
320-67950-21	BH20201215-3NORTH-50	Total/NA	Water	3535	
320-67950-22	BH20201215-3NORTH-75	Total/NA	Water	3535	
MB 320-444719/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-444719/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-444719/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 445090

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-67950-10	BH20201215-2 RAW	Total/NA	Water	537 (modified)	444719
320-67950-11	BH20201215-3 RAW	Total/NA	Water	537 (modified)	444719
320-67950-12	BH20201215-PRE-GAC	Total/NA	Water	537 (modified)	444719
320-67950-14	BH20201215-1NORTH-25	Total/NA	Water	537 (modified)	444719
320-67950-15	BH20201215-1NORTH-50	Total/NA	Water	537 (modified)	444719
320-67950-16	BH20201215-1NORTH-75	Total/NA	Water	537 (modified)	444719
320-67950-17	BH20201215-2NORTH-25	Total/NA	Water	537 (modified)	444719
320-67950-18	BH20201215-2NORTH-50	Total/NA	Water	537 (modified)	444719
320-67950-19	BH20201215-2NORTH-75	Total/NA	Water	537 (modified)	444719
320-67950-20	BH20201215-3NORTH-25	Total/NA	Water	537 (modified)	444719
320-67950-21	BH20201215-3NORTH-50	Total/NA	Water	537 (modified)	444719
320-67950-22	BH20201215-3NORTH-75	Total/NA	Water	537 (modified)	444719
MB 320-444719/1-A	Method Blank	Total/NA	Water	537 (modified)	444719
LCS 320-444719/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	444719
LCSD 320-444719/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	444719

Prep Batch: 445135

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-67950-1	BH20201215-PRE GAC	Total/NA	Water	PFAS Prep	
320-67950-2	BH20201215-1 MID	Total/NA	Water	PFAS Prep	
320-67950-3	BH20201215-1 POST	Total/NA	Water	PFAS Prep	
320-67950-4	BH20201215-2 MID	Total/NA	Water	PFAS Prep	
320-67950-5	BH20201215-2 POST	Total/NA	Water	PFAS Prep	
320-67950-6	BH20201215-3 MID	Total/NA	Water	PFAS Prep	
320-67950-7	BH20201215-3 POST	Total/NA	Water	PFAS Prep	
320-67950-8	BH20201215-POST GAC	Total/NA	Water	PFAS Prep	
320-67950-9	BH20201215-POST GAC(DUP)	Total/NA	Water	PFAS Prep	
MB 320-445135/1-A	Method Blank	Total/NA	Water	PFAS Prep	
LCS 320-445135/2-A	Lab Control Sample	Total/NA	Water	PFAS Prep	
320-67950-8 MS	BH20201215-POST GAC	Total/NA	Water	PFAS Prep	
320-67950-8 MSD	BH20201215-POST GAC	Total/NA	Water	PFAS Prep	

QC Association Summary

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

LCMS

Prep Batch: 445205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-67950-13	BH20201215-POSTGAC	Total/NA	Water	3535	
MB 320-445205/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-445205/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-445205/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 445211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-67950-1	BH20201215-PRE GAC	Total/NA	Water	WS-LC-0025	445135
320-67950-2	BH20201215-1 MID	Total/NA	Water	Att1	445135
320-67950-3	BH20201215-1 POST	Total/NA	Water	WS-LC-0025	445135
320-67950-4	BH20201215-2 MID	Total/NA	Water	Att1	445135
320-67950-5	BH20201215-2 POST	Total/NA	Water	WS-LC-0025	445135
320-67950-6	BH20201215-3 MID	Total/NA	Water	Att1	445135
320-67950-7	BH20201215-3 POST	Total/NA	Water	WS-LC-0025	445135
320-67950-8	BH20201215-POST GAC	Total/NA	Water	Att1	445135
320-67950-9	BH20201215-POST GAC(DUP)	Total/NA	Water	WS-LC-0025	445135
MB 320-445135/1-A	Method Blank	Total/NA	Water	Att1	445135
LCS 320-445135/2-A	Lab Control Sample	Total/NA	Water	WS-LC-0025	445135
320-67950-8 MS	BH20201215-POST GAC	Total/NA	Water	Att1	445135
320-67950-8 MSD	BH20201215-POST GAC	Total/NA	Water	WS-LC-0025	445135

Analysis Batch: 445981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-67950-13	BH20201215-POSTGAC	Total/NA	Water	537 (modified)	445205
MB 320-445205/1-A	Method Blank	Total/NA	Water	537 (modified)	445205
LCS 320-445205/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	445205
LCSD 320-445205/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	445205

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-PRE GAC

Lab Sample ID: 320-67950-1

Date Collected: 12/15/20 09:05

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	445135	12/22/20 17:14	CG	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			445211	12/23/20 17:52	K1S	TAL SAC

Client Sample ID: BH20201215-1 MID

Lab Sample ID: 320-67950-2

Date Collected: 12/15/20 09:25

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	445135	12/22/20 17:14	CG	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			445211	12/23/20 18:11	K1S	TAL SAC

Client Sample ID: BH20201215-1 POST

Lab Sample ID: 320-67950-3

Date Collected: 12/15/20 09:29

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	445135	12/22/20 17:14	CG	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			445211	12/23/20 18:29	K1S	TAL SAC

Client Sample ID: BH20201215-2 MID

Lab Sample ID: 320-67950-4

Date Collected: 12/15/20 09:41

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	445135	12/22/20 17:14	CG	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			445211	12/23/20 18:48	K1S	TAL SAC

Client Sample ID: BH20201215-2 POST

Lab Sample ID: 320-67950-5

Date Collected: 12/15/20 09:43

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	445135	12/22/20 17:14	CG	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			445211	12/23/20 19:06	K1S	TAL SAC

Client Sample ID: BH20201215-3 MID

Lab Sample ID: 320-67950-6

Date Collected: 12/15/20 09:56

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	445135	12/22/20 17:14	CG	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			445211	12/23/20 19:25	K1S	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-3 POST

Lab Sample ID: 320-67950-7

Date Collected: 12/15/20 10:00

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	445135	12/22/20 17:14	CG	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			445211	12/23/20 19:43	K1S	TAL SAC

Client Sample ID: BH20201215-POST GAC

Lab Sample ID: 320-67950-8

Date Collected: 12/15/20 09:00

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	445135	12/22/20 17:14	CG	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			445211	12/23/20 20:02	K1S	TAL SAC

Client Sample ID: BH20201215-POST GAC(DUP)

Lab Sample ID: 320-67950-9

Date Collected: 12/15/20 08:58

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	PFAS Prep			1.00 mL	1.66 mL	445135	12/22/20 17:14	CG	TAL SAC
Total/NA	Analysis	WS-LC-0025 Att1		1			445211	12/23/20 21:15	K1S	TAL SAC

Client Sample ID: BH20201215-2 RAW

Lab Sample ID: 320-67950-10

Date Collected: 12/15/20 10:46

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			256.3 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/22/20 22:30	RS1	TAL SAC

Client Sample ID: BH20201215-3 RAW

Lab Sample ID: 320-67950-11

Date Collected: 12/15/20 10:08

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			268.4 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/22/20 22:40	RS1	TAL SAC

Client Sample ID: BH20201215-PRE-GAC

Lab Sample ID: 320-67950-12

Date Collected: 12/15/20 09:07

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			253.4 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/22/20 22:49	RS1	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-POSTGAC

Lab Sample ID: 320-67950-13

Date Collected: 12/15/20 08:59

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			280.4 mL	10.00 mL	445205	12/23/20 05:45	HK	TAL SAC
Total/NA	Analysis	537 (modified)		1			445981	12/27/20 13:33	S1M	TAL SAC

Client Sample ID: BH20201215-1NORTH-25

Lab Sample ID: 320-67950-14

Date Collected: 12/15/20 09:20

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			273.7 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/22/20 22:58	RS1	TAL SAC

Client Sample ID: BH20201215-1NORTH-50

Lab Sample ID: 320-67950-15

Date Collected: 12/15/20 09:21

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.9 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/22/20 23:08	RS1	TAL SAC

Client Sample ID: BH20201215-1NORTH-75

Lab Sample ID: 320-67950-16

Date Collected: 12/15/20 09:23

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			261.2 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/22/20 23:17	RS1	TAL SAC

Client Sample ID: BH20201215-2NORTH-25

Lab Sample ID: 320-67950-17

Date Collected: 12/15/20 09:35

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			276.5 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/22/20 23:26	RS1	TAL SAC

Client Sample ID: BH20201215-2NORTH-50

Lab Sample ID: 320-67950-18

Date Collected: 12/15/20 09:37

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.8 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/22/20 23:54	RS1	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Client Sample ID: BH20201215-2NORTH-75

Lab Sample ID: 320-67950-19

Date Collected: 12/15/20 09:38

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			269.8 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/23/20 00:04	RS1	TAL SAC

Client Sample ID: BH20201215-3NORTH-25

Lab Sample ID: 320-67950-20

Date Collected: 12/15/20 09:51

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			271.3 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/23/20 00:13	RS1	TAL SAC

Client Sample ID: BH20201215-3NORTH-50

Lab Sample ID: 320-67950-21

Date Collected: 12/15/20 09:53

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			268.8 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/23/20 00:22	RS1	TAL SAC

Client Sample ID: BH20201215-3NORTH-75

Lab Sample ID: 320-67950-22

Date Collected: 12/15/20 09:54

Matrix: Water

Date Received: 12/16/20 10:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			262.9 mL	10.00 mL	444719	12/21/20 18:37	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			445090	12/23/20 00:32	RS1	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 ANGB - Butterhill #336089

Job ID: 320-67950-1

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	04-01-21

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)
WS-LC-0025 Att1	PFAS Prep	Water	Perfluorobutanesulfonic acid (PFBS)
WS-LC-0025 Att1	PFAS Prep	Water	Perfluoroheptanoic acid (PFHpA)
WS-LC-0025 Att1	PFAS Prep	Water	Perfluorohexanesulfonic acid (PFHxS)
WS-LC-0025 Att1	PFAS Prep	Water	Perfluorononanoic acid (PFNA)

Method Summary

Client: New York State D.E.C.
Project/Site: Stewart ANGB - Butterhill #336089

Job ID: 320-67950-1

Method	Method Description	Protocol	Laboratory
537 (modified)	Fluorinated Alkyl Substances	EPA	TAL SAC
WS-LC-0025 Att1	Fluorinated Alkyl Substances	TAL-SAC	TAL SAC
3535	Solid-Phase Extraction (SPE)	SW846	TAL SAC
PFAS Prep	Preparation, Direct Inject PFAS	TAL-SAC	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.

TAL-SAC = TestAmerica Laboratories, West Sacramento, Facility Standard Operating Procedure.

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 ANGB - Butterhill #336089

Job ID: 320-67950-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-67950-1	BH20201215-PRE GAC	Water	12/15/20 09:05	12/16/20 10:20	
320-67950-2	BH20201215-1 MID	Water	12/15/20 09:25	12/16/20 10:20	
320-67950-3	BH20201215-1 POST	Water	12/15/20 09:29	12/16/20 10:20	
320-67950-4	BH20201215-2 MID	Water	12/15/20 09:41	12/16/20 10:20	
320-67950-5	BH20201215-2 POST	Water	12/15/20 09:43	12/16/20 10:20	
320-67950-6	BH20201215-3 MID	Water	12/15/20 09:56	12/16/20 10:20	
320-67950-7	BH20201215-3 POST	Water	12/15/20 10:00	12/16/20 10:20	
320-67950-8	BH20201215-POST GAC	Water	12/15/20 09:00	12/16/20 10:20	
320-67950-9	BH20201215-POST GAC(DUP)	Water	12/15/20 08:58	12/16/20 10:20	
320-67950-10	BH20201215-2 RAW	Water	12/15/20 10:46	12/16/20 10:20	
320-67950-11	BH20201215-3 RAW	Water	12/15/20 10:08	12/16/20 10:20	
320-67950-12	BH20201215-PRE-GAC	Water	12/15/20 09:07	12/16/20 10:20	
320-67950-13	BH20201215-POSTGAC	Water	12/15/20 08:59	12/16/20 10:20	
320-67950-14	BH20201215-1NORTH-25	Water	12/15/20 09:20	12/16/20 10:20	
320-67950-15	BH20201215-1NORTH-50	Water	12/15/20 09:21	12/16/20 10:20	
320-67950-16	BH20201215-1NORTH-75	Water	12/15/20 09:23	12/16/20 10:20	
320-67950-17	BH20201215-2NORTH-25	Water	12/15/20 09:35	12/16/20 10:20	
320-67950-18	BH20201215-2NORTH-50	Water	12/15/20 09:37	12/16/20 10:20	
320-67950-19	BH20201215-2NORTH-75	Water	12/15/20 09:38	12/16/20 10:20	
320-67950-20	BH20201215-3NORTH-25	Water	12/15/20 09:51	12/16/20 10:20	
320-67950-21	BH20201215-3NORTH-50	Water	12/15/20 09:53	12/16/20 10:20	
320-67950-22	BH20201215-3NORTH-75	Water	12/15/20 09:54	12/16/20 10:20	

Albany
#224

Chain of Custody Record

Environment Testing
America

Client Information		Sampler: <u>Ben Powers</u>		Lab PM: <u>Stone, Judy L</u>		Carrier Tracking No(s):		COC No: <u>480-154085-31696.1</u>					
Client Contact: <u>Jeffrey Redfield</u>		Phone:		E-Mail: <u>Judy.Stone@Eurofinset.com</u>		State of Origin:		Page: <u>Page 1 of 3</u>					
Company: <u>ARCADIS U.S. Inc</u>		PWSID:		Analysis Requested									
Address: <u>855 Route 146 Suite 210</u>		Due Date Requested:		 320-67950 Chain of Custody									
City: <u>Clifton Park</u>		TAT Requested (days): <u>Standard</u>											
State, Zip: <u>NY, 12065</u>		Compliance Project: ☐ Yes ☐ No											
Phone: <u>518-402-9813(Tel)</u>		PO #: <u>Callout ID: 137349</u>											
Email: <u>jeffrey.redfield@arcadis.com</u>		WO #:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC_IDA - PFAS, Standard List (21 analytes) PFAS_DL_DW - PFAS, UCMR List Total Number of containers									
Project Name: <u>Stewart ANGB - Butterhill #336089</u>		Project #: <u>48020960</u>											
Site:		SSOW#:											
Sample Identification		Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/soil, BT=Tissue, A=Air)								
				Preservation Code:						Special Instructions/Note:			
<u>BH20201215-PRE GAC</u>		<u>12/15</u>	<u>0905</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
<u>BH20201215-1 MID</u>			<u>0925</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
<u>BH20201215-1 POST</u>			<u>0929</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
<u>BH20201215-2 MID</u>			<u>0941</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
<u>BH20201215-2 POST</u>			<u>0943</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
<u>BH20201215-3 MID</u>			<u>0956</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
<u>BH20201215-3 POST</u>			<u>1000</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
<u>BH20201215-POST GAC</u>			<u>0900</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
<u>BH20201215-POST GAC (DUP)</u>			<u>0858</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
<u>BH20201215-POST GAC M.S</u>			<u>0904</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
<u>BH20201215-POST GAC M.S.P</u>			<u>0902</u>	<u>G</u>	<u>Water</u>	<u>Y</u>	<u>Y</u>					<u>2</u>	
Possible Hazard Identification						Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)							
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological						☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months							
Deliverable Requested: I, II, III, IV, Other (specify)						Special Instructions/QC Requirements:							
Empty Kit Relinquished by:				Date:		Time:		Method of Shipment:					
Relinquished by: <u>Paula</u>		Date/Time: <u>12/15/2020 1336</u>		Company: <u>Arcadis</u>		Received by: <u>Karl Zocher</u>		Date/Time: <u>12/15/20 1355</u>		Company: <u>Eurofins</u>			
Relinquished by: <u>Karl Zocher</u>		Date/Time: <u>12/15/20 1700</u>		Company: <u>Eurofins</u>		Received by: <u>[Signature]</u>		Date/Time: <u>12/16/20 1020</u>		Company: <u>eta sac</u>			
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:			
Custody Seals Intact: ☐ Yes ☐ No		Custody Seal No.: <u>1478816</u>		Cooler Temperature(s) °C and Other Remarks: <u>0.6</u>									

* DO NOT MATCH ID (4/4) - 12/16/20

- TIME DOES NOT MATCH (1/2) - 12/16/20

Chain of Custody Record

Client Information		Sampler: <u>Ben Powers</u>		Lab PM: Stone, Judy L		Carrier Tracking No(s):		COC No: 480-154085-31696.2													
Client Contact: Jeffrey Redfield		Phone:		E-Mail: Judy.Stone@Eurofinset.com		State of Origin:		Page: Page 2 of 3													
Company: ARCADIS U.S. Inc		PWSID:		Analysis Requested						Job #:											
Address: 855 Route 146 Suite 210		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC_IDA - PFAS, Standard List (21 analytes) PFAS_DI_DW - PFAS, UCMR List						Preservation Codes: A - HCL M - Hexane B - NaOH N - None C - Zn Acetate O - AsNaO2 D - Nitric Acid P - Na2O4S E - NaHSO4 Q - Na2SO3 F - MeOH R - Na2S2O3 G - Amchlor S - H2SO4 H - Ascorbic Acid T - TSP Dodecahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)		Other:									
City: Clifton Park		TAT Requested (days): <u>Standard</u>																			
State, Zip: NY, 12065		Compliance Project: ☐ Yes ☐ No																			
Phone: 518-402-9813(Tel)		PO #: Callout ID: 137349																			
Email: jeffrey.redfield@arcadis.com		WO #:																			
Project Name: Stewart ANGB - Butterhill #336089		Project #: 48020960																			
Site:		SSOW#:																			
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		PFC_IDA - PFAS, Standard List (21 analytes)		PFAS_DI_DW - PFAS, UCMR List		Total Number of containers		Special Instructions/Note:	
BH20201215-1 RAW <u>inj</u>		12/15				G		Water		N		Y						2			
BH20201215-2 RAW		1046		G		Water		N		Y								2			
BH20201215-3 RAW		1008		G		Water		N		Y								2			
BH20201215- PRE-GAC		0907		G		Water		N		Y								2			
BH20201215- POSTGAC		0859		G		Water		N		Y								2			
BH20201215-1 NORTH-25		0920		G		Water		N		Y								2			
BH20201215-1 NORTH-50		0921		G		Water		N		Y								2			
BH20201215-1 NORTH-75		0923		G		Water		N		Y								2			
BH20201215-2 NORTH-25		0935		G		Water		N		Y								2			
BH20201215-2 NORTH-50		0937		G		Water		N		Y								2			
BH20201215-2 NORTH-75		0938		G		Water		N		Y								2			
Possible Hazard Identification		☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)								☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months									
Deliverable Requested: I, II, III, IV, Other (specify)		Special Instructions/QC Requirements:																			
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:															
Relinquished by: <u>Ben Powers</u>		Date/Time: 12/15/2020 1336		Company: Arcadis		Received by: <u>Nat Ladner</u>		Date/Time: 12/15/20 1355		Company: <u>Cargill</u>											
Relinquished by: <u>Nat Ladner</u>		Date/Time: 12/15/20 1700		Company: <u>Cargill</u>		Received by: <u>eta</u>		Date/Time: 12/16/20 1020		Company: <u>eta Soc</u>											
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:											
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.: 1478816		Cooler Temperature(s) °C and Other Remarks: 0.6																	

Client Information		Sampler: <u>Ben Powers</u>		Lab PM: <u>Stone, Judy L</u>		Carrier Tracking No(s):		COC No: <u>480-154085-31696.3</u>													
Client Contact: <u>Jeffrey Redfield</u>		Phone:		E-Mail: <u>Judy.Stone@Eurofinset.com</u>		State of Origin:		Page: <u>Page 3 of 3</u>													
Company: <u>ARCADIS U.S. Inc</u>		PWSID:		Analysis Requested						Job #:											
Address: <u>855 Route 146 Suite 210</u>		Due Date Requested:		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC_IDA - PFAS, Standard List (21 analytes) PFAS_DI_DW - PFAS, UCMR List Total Number of containers						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 M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify) Other:											
City: <u>Clifton Park</u>		TAT Requested (days): <u>Standard</u>																			
State, Zip: <u>NY, 12065</u>		Compliance Project: ☐ Yes ☐ No																			
Phone: <u>518-402-9813(Tel)</u>		PO #:																			
Email: <u>jeffrey.redfield@arcadis.com</u>		Callout ID: <u>137349</u>																			
Project Name: <u>Stewart ANGB - Butterhill #336089</u>		Project #: <u>48020960</u>																			
Site:		SSOW#:																			
Sample Identification		Sample Date		Sample Time		Sample Type (C=Comp, G=grab)		Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)		Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		PFC_IDA - PFAS, Standard List (21 analytes)		PFAS_DI_DW - PFAS, UCMR List		Total Number of containers		Special Instructions/Note:	
<u>BH20201215-3NORTH-25</u>		<u>12/15</u>		<u>0951</u>		<u>G</u>		<u>Water</u>		<u>NW</u>		<u>2</u>						<u>2</u>			
<u>BH20201215-3NORTH-50</u>		<u>↓</u>		<u>0953</u>		<u>G</u>		<u>Water</u>		<u>NW</u>		<u>2</u>						<u>2</u>			
<u>BH20201215-3NORTH-75</u>		<u>↓</u>		<u>0954</u>		<u>G</u>		<u>Water</u>		<u>NW</u>		<u>2</u>						<u>2</u>			
<u>PK2</u>																					
Possible Hazard Identification ☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological																					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) ☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months																					
Deliverable Requested: I, II, III, IV, Other (specify)																					
Special Instructions/QC Requirements:																					
Empty Kit Relinquished by:		Date:		Time:		Method of Shipment:															
Relinquished by: <u>Ben Powers</u>		Date/Time: <u>12/15/2020 1336</u>		Company: <u>Arcadis</u>		Received by: <u>Karl Zadyen</u>		Date/Time: <u>12/15/20 1355</u>		Company: <u>Eurofins</u>											
Relinquished by: <u>Karl Zadyen</u>		Date/Time: <u>12/15/20 1700</u>		Company: <u>Eurofins</u>		Received by: <u>[Signature]</u>		Date/Time: <u>12/16/20 1020</u>		Company: <u>eta sec</u>											
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:											
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.: <u>1478816</u>		Cooler Temperature(s) °C and Other Remarks: <u>0.6</u>																	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 320-67950-1

Login Number: 67950

List Source: Eurofins TestAmerica, Sacramento

List Number: 1

Creator: Thompson, Sarah W

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	1478816
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.	False	Refer to job narrative for details
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	