

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

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www.dec.ny.gov

May 13, 2020

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

Re: New Windsor Public Water Supply Well 21 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 **May 6, 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.

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

Specifically, the samples were analyzed for a total of twenty-one per- and polyfluoroalkyl substances (PFAS), including Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS). Data received for the 21 PFAS list analysis has been attached.

During this event, sampling for the 21 PFAS list was conducted at 29 locations. Recall that starting in February 2020, the decision was made to begin including mid-bed sampling for 21 PFAS analysis on the GAC lag units. (9 additional sampling locations).

- pre-treatment (raw untreated water), which has a "BH20200506PRE-GAC" identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 1), which has a "BH20200506-1North-25" identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 1), which has a "BH20200506-1North-50" identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 1), which has a "BH20200506-1North-75" identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 2), which has a "BH20200506-2North-25" identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 2), which has a "BH20200506-2North-50" identifier in the Client Sample ID;

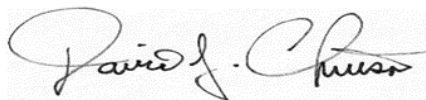
- 75 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20200506-2North-75” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20200506-3North-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20200506-3North-50” identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20200506-3North-75” identifier in the Client Sample ID;
- Butterhill Well No.1 raw untreated water; which has a “BH20200506-1RAW” identifier in the Client Sample ID;
- Butterhill Well No.2 raw untreated water; which has a “BH20200506-2RAW” identifier in the Client Sample ID (**Note: Well not sampled due to well being out of service**);
- Butterhill Well No.3 raw untreated water; which has a “BH20200506-3RAW” identifier in the Client Sample ID;
- Post-treatment (treated water after all GAC trains), which has a “BH20200506POST-GAC” identifier in the Client Sample ID.
- 25 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20200506-1S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20200506-1S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20200506-1S-75” identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20200506-2S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20200506-2S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20200506-2S-75” identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20200506-3S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20200506-3S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20200506-3S-75” 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 “BH2020506-1MID-POINT” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 1), which has a “BH2020506-1 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 “BH2020506-2MID-POINT” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 2), which has a “BH2020506-2 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 “BH2020506-3MID-POINT” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 3), which has a “BH2020506-3 POST” identifier in the Client Sample ID;

The 29 locations sampled (and their associated identifiers) are depicted in Figure 1.

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 for August 2020.

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,



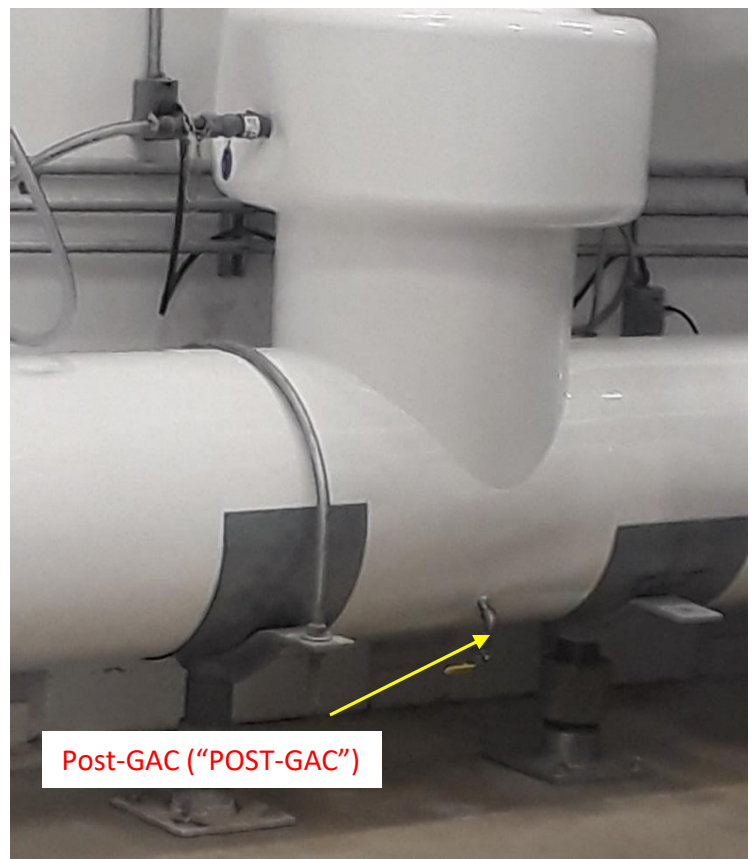
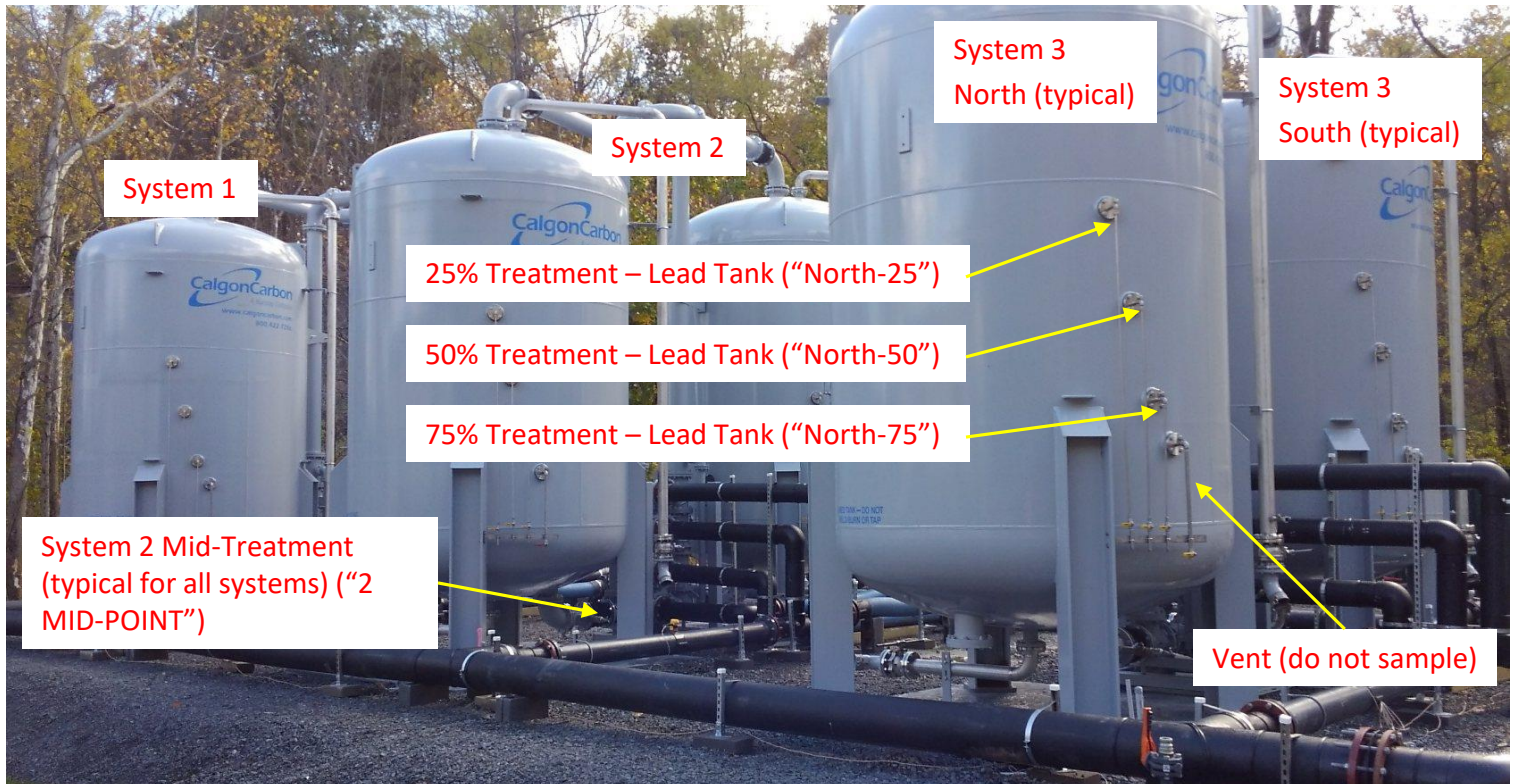
David J. Chiusano
Environmental Engineer/Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

Enclosures

ec: w/enclosures
D. Zagon, Town of New Windsor
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M. Andersen, OCDOH
D. Bryant, Arcadis
F. Fina, Aztech
M. Cruden, NYSDEC
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))

Date	Analyte	Well 1 ¹ Raw Water	Well 2 Raw Water	Well 3 Raw Water	Pre GAC Raw Water	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	USEPA Drinking Water Health Advisory Guidance Value ³	Proposed NYS MCLs ⁴
December 2019 (Well 3)	PFOA	2.6	3.5	5.0	2.5	ND ²	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	10 ⁴
	PFOS	3.7	2.4	8.9	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	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	70 ³	10 ⁴
	PFOS	3.3	2.4	7.7	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	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	70 ³	10 ⁴
	PFOS	3.6	2.7	6.0	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	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	70 ³	10 ⁴
	PFOS	3.6	2.8	5.4	3.3	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	70 ³	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	70 ³	10 ⁴
	PFOS	3.4	2.2	4.5	3.0	ND	ND	ND	2.0	ND	ND	ND	ND	ND	ND	70 ³	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	70 ³	10 ⁴
	PFOS	3.8	NS	5.9	5.0	2.9	ND	ND	3.5	1.9	ND	3.0	ND	ND	ND	70 ³	10 ⁴

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)	USEPA Drinking Water Health Advisory Guidance Value ³	Proposed NYS MCLs ⁴
February 2020 (Well 2)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	10 ⁴
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	10 ⁴
March 2020 (Well 1**)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	10 ⁴
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	10 ⁴
April 2020 (Well 1)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	10 ⁴
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	10 ⁴
May 2020 (Well 3**)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	10 ⁴
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	70 ³	10 ⁴

Notes:

- * 21 PFAS List Analysis.
- ** At time of sampling Production 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. Guidance: USEPA Drinking Water Health Advisory guidance value is currently 70 ppt.

4. The proposed NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

5. NS: Not Sampled(Well No. 2 Out of Service During Time of Sampling)

How to Read Your Laboratory Reports

PFOA and PFOS Results:

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

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

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

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

Inorganic Results:

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

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

ANALYTICAL REPORT

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

Laboratory Job ID: 320-60723-1

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:

5/12/2020 4:43:42 PM

Alexander Gilbert, Project Management Assistant I
alexander.gilbert@testamericainc.com

Designee for

Judy Stone, Senior Project Manager
(484)685-0868
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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

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

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

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Definitions/Glossary

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

Job ID: 320-60723-1

Qualifiers

LCMS

Qualifier	Qualifier Description
*5	Isotope dilution analyte is outside acceptance limits.
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
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Case Narrative

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

Job ID: 320-60723-1

Job ID: 320-60723-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-60723-1

Comments

No additional comments.

Receipt

The samples were received on 5/8/2020 10:00 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 3 coolers at receipt time were 0.2° C, 0.4° C and 0.6° C.

Receipt Exceptions

The container label for the following samples did not match the information listed on the Chain-of-Custody (COC):
BH20200506-3SOUTH-50 (320-60723-25) and BH20200506-3POST (320-60723-27). The container labels list are incorrect.

Sample #25- Container label ID BH20200506-3-SOUTH-50 while COC ID is BH20200506-3SOUTH-50. Label according to the COC.

Sample #27- Container label ID BH20200506-3-POST while COC ID is BH20200506-3POST. Label according to the COC.

LCMS

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-8:2 FTS in the following sample: (LCS 320-377781/2-A). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-6:2 FTS in the following samples: BH20200506-3MID-POINT (320-60723-23) and BH20200506-3SOUTH-75 (320-60723-26). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

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 judgment was used to positively identify the analyte.

BH20200506-2NORTH-50 (320-60723-13)

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-6:2 FTS in the following sample: BH20200506-2MID-POINT (320-60723-15). Quantitation by isotope dilution generally precludes any adverse effect on data quality due to elevated IDA recoveries.

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 320-377781.

Method 3535: the following samples were preserved with Trizma: BH20200506-2SOUTH-25 (320-60723-16), BH20200506-2SOUTH-50 (320-60723-17), BH20200506-2SOUTH-75 (320-60723-18), BH20200506-2POST (320-60723-19), BH20200506-3NORTH-25 (320-60723-20), BH20200506-3NORTH-50 (320-60723-21), BH20200506-3NORTH-75 (320-60723-22), BH20200506-3MID-POINT (320-60723-23), BH20200506-3SOUTH-25 (320-60723-24), BH20200506-3SOUTH-50 (320-60723-25), BH20200506-3SOUTH-75 (320-60723-26), BH20200506-3POST (320-60723-27), BH20200506-1RAW (320-60723-28) and BH20200506-3RAW (320-60723-29). Therefore, the method blank, lab control sample, and lab control sample duplicate were also preserved with Trizma. Batch 320-377781

Method 3535: The following samples were preserved with Trizma: BH20200506POST-GAC (320-60723-1), BH20200506POST-GAC (320-60723-1[MS]), BH20200506POST-GAC (320-60723-1[MSD]), BH20200506POST-GAC DUP (320-60723-2), BH20200506PRE-GAC (320-60723-3), BH20200506-1NORTH-25 (320-60723-4), BH20200506-1NORTH-50 (320-60723-5), BH20200506-1NORTH-75 (320-60723-6), BH20200506-1MID-POINT (320-60723-7), BH20200506-1SOUTH-25 (320-60723-8), BH20200506-1SOUTH-50 (320-60723-9), BH20200506-1SOUTH-75 (320-60723-10), BH20200506-1POST (320-60723-11), BH20200506-2NORTH-25 (320-60723-12), BH20200506-2NORTH-50 (320-60723-13), BH20200506-2NORTH-75 (320-60723-14) and BH20200506-2MID-POINT

Case Narrative

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

Job ID: 320-60723-1

Job ID: 320-60723-1 (Continued)

Laboratory: Eurofins TestAmerica, Sacramento (Continued)

(320-60723-15). Thus, the MB, and LCS also contain trizma. Batch 320-377794

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

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Detection Summary

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

Job ID: 320-60723-1

Client Sample ID: BH20200506POST-GAC

Lab Sample ID: 320-60723-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.4		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506POST-GAC DUP

Lab Sample ID: 320-60723-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.4		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506PRE-GAC

Lab Sample ID: 320-60723-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.1		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.9		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.1		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)	3.1		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.7		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.0		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-1NORTH-25

Lab Sample ID: 320-60723-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.2		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.1		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.9		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.3		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.5		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.9		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-1NORTH-50

Lab Sample ID: 320-60723-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.7		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.0		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.6		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-1NORTH-75

Lab Sample ID: 320-60723-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.0		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.7		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-1MID-POINT

Lab Sample ID: 320-60723-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.8		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.9		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-1SOUTH-25

Lab Sample ID: 320-60723-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.0		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.3		1.8		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: 320-60723-1

Client Sample ID: BH20200506-1SOUTH-50

Lab Sample ID: 320-60723-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.9		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-1SOUTH-75

Lab Sample ID: 320-60723-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.5		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-1POST

Lab Sample ID: 320-60723-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.6		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-2NORTH-25

Lab Sample ID: 320-60723-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.2		1.7		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.1		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.3		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.7		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.0		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.5		1.7		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-2NORTH-50

Lab Sample ID: 320-60723-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.1		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.0		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.8		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)	1.9	I	1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-2NORTH-75

Lab Sample ID: 320-60723-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.6		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.8		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.9		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-2MID-POINT

Lab Sample ID: 320-60723-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.6		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.9		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-2SOUTH-25

Lab Sample ID: 320-60723-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	6.1		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-2SOUTH-50

Lab Sample ID: 320-60723-17

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

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: 320-60723-1

Client Sample ID: BH20200506-2SOUTH-75

Lab Sample ID: 320-60723-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.3		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-2POST

Lab Sample ID: 320-60723-19

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.4		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-3NORTH-25

Lab Sample ID: 320-60723-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.5		1.7		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.1		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.0		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.4		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.7		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.7		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-3NORTH-50

Lab Sample ID: 320-60723-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.8		1.7		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.9		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.3		1.7		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-3NORTH-75

Lab Sample ID: 320-60723-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.3		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.4		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-3MID-POINT

Lab Sample ID: 320-60723-23

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.1		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.4		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	8.7		1.8		ng/L	1		537 (modified)	Total/NA
6:2 FTS	23		18		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-3SOUTH-25

Lab Sample ID: 320-60723-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.2		1.7		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	1.9		1.7		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-3SOUTH-50

Lab Sample ID: 320-60723-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.1		1.7		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-3SOUTH-75

Lab Sample ID: 320-60723-26

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.6		1.7		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: 320-60723-1

Client Sample ID: BH20200506-3POST

Lab Sample ID: 320-60723-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.5		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-1RAW

Lab Sample ID: 320-60723-28

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	5.8		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.4		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.7		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.3		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	3.0		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.7		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.8		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200506-3RAW

Lab Sample ID: 320-60723-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.9		1.9		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.3		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.2		1.9		ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.0		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.7		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.9		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	5.9		1.9		ng/L	1		537 (modified)	Total/NA

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: 320-60723-1

Client Sample ID: BH20200506POST-GAC

Lab Sample ID: 320-60723-1

Date Collected: 05/06/20 08:50

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.4		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:15	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 02:15	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 02:15	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 02:15	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 02:15	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C5 PFPeA	83		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C2 PFHxA	90		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C4 PFHpA	87		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C4 PFOA	93		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C5 PFNA	94		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C2 PFDA	95		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C2 PFUnA	96		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C2 PFDoA	98		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C2 PFTeA	96		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C3 PFBS	88		25 - 150	05/11/20 04:22	05/12/20 02:15	1
18O2 PFHxS	92		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C4 PFOS	88		25 - 150	05/11/20 04:22	05/12/20 02:15	1
13C8 FOSA	80		25 - 150	05/11/20 04:22	05/12/20 02:15	1
d3-NMeFOSAA	105		25 - 150	05/11/20 04:22	05/12/20 02:15	1
d5-NEtFOSAA	114		25 - 150	05/11/20 04:22	05/12/20 02:15	1
M2-6:2 FTS	110		25 - 150	05/11/20 04:22	05/12/20 02:15	1
M2-8:2 FTS	101		25 - 150	05/11/20 04:22	05/12/20 02:15	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506POST-GAC DUP

Lab Sample ID: 320-60723-2

Date Collected: 05/06/20 08:51

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.4		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 02:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 02:43	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 02:43	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 02:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C5 PFPeA	84		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C2 PFHxA	91		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C4 PFHpA	90		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C4 PFOA	96		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C5 PFNA	94		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C2 PFDA	98		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C2 PFUnA	97		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C2 PFDoA	95		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C2 PFTeDA	93		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C3 PFBS	86		25 - 150	05/11/20 04:22	05/12/20 02:43	1
18O2 PFHxS	88		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C4 PFOS	89		25 - 150	05/11/20 04:22	05/12/20 02:43	1
13C8 FOSA	79		25 - 150	05/11/20 04:22	05/12/20 02:43	1
d3-NMeFOSAA	108		25 - 150	05/11/20 04:22	05/12/20 02:43	1
d5-NEtFOSAA	107		25 - 150	05/11/20 04:22	05/12/20 02:43	1
M2-6:2 FTS	108		25 - 150	05/11/20 04:22	05/12/20 02:43	1
M2-8:2 FTS	106		25 - 150	05/11/20 04:22	05/12/20 02:43	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506PRE-GAC

Lab Sample ID: 320-60723-3

Date Collected: 05/06/20 08:57

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.1		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluoropentanoic acid (PFPeA)	3.9		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorohexanoic acid (PFHxA)	3.1		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluoroheptanoic acid (PFHpA)	1.8		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorooctanoic acid (PFOA)	3.1		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorohexanesulfonic acid (PFHxS)	3.7		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorooctanesulfonic acid (PFOS)	5.0		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 02:52	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 02:52	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 02:52	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 02:52	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 02:52	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	70		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C5 PFPeA	82		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C2 PFHxA	91		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C4 PFHpA	91		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C4 PFOA	95		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C5 PFNA	102		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C2 PFDA	103		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C2 PFUnA	109		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C2 PFDoA	113		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C2 PFTeDA	104		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C3 PFBS	89		25 - 150	05/11/20 04:22	05/12/20 02:52	1
18O2 PFHxS	94		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C4 PFOS	96		25 - 150	05/11/20 04:22	05/12/20 02:52	1
13C8 FOSA	88		25 - 150	05/11/20 04:22	05/12/20 02:52	1
d3-NMeFOSAA	119		25 - 150	05/11/20 04:22	05/12/20 02:52	1
d5-NEtFOSAA	115		25 - 150	05/11/20 04:22	05/12/20 02:52	1
M2-6:2 FTS	126		25 - 150	05/11/20 04:22	05/12/20 02:52	1
M2-8:2 FTS	121		25 - 150	05/11/20 04:22	05/12/20 02:52	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-1NORTH-25

Lab Sample ID: 320-60723-4

Date Collected: 05/06/20 09:06

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.2		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluoropentanoic acid (PFPeA)	4.1		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorohexanoic acid (PFHxA)	2.9		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorooctanoic acid (PFOA)	2.3		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorohexanesulfonic acid (PFHxS)	2.5		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorooctanesulfonic acid (PFOS)	2.9		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:02	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 03:02	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 03:02	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 03:02	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 03:02	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	77		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C5 PFPeA	83		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C2 PFHxA	89		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C4 PFHpA	85		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C4 PFOA	94		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C5 PFNA	106		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C2 PFDA	106		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C2 PFUnA	109		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C2 PFDoA	110		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C2 PFTeDA	106		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C3 PFBS	88		25 - 150	05/11/20 04:22	05/12/20 03:02	1
18O2 PFHxS	91		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C4 PFOS	97		25 - 150	05/11/20 04:22	05/12/20 03:02	1
13C8 FOSA	89		25 - 150	05/11/20 04:22	05/12/20 03:02	1
d3-NMeFOSAA	119		25 - 150	05/11/20 04:22	05/12/20 03:02	1
d5-NEtFOSAA	119		25 - 150	05/11/20 04:22	05/12/20 03:02	1
M2-6:2 FTS	119		25 - 150	05/11/20 04:22	05/12/20 03:02	1
M2-8:2 FTS	110		25 - 150	05/11/20 04:22	05/12/20 03:02	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-1NORTH-50

Lab Sample ID: 320-60723-5

Date Collected: 05/06/20 09:10

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.7		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluoropentanoic acid (PFPeA)	4.0		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorohexanoic acid (PFHxA)	2.6		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:11	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 03:11	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 03:11	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 03:11	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 03:11	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	77		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C5 PFPeA	83		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C2 PFHxA	89		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C4 PFHpA	89		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C4 PFOA	93		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C5 PFNA	98		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C2 PFDA	100		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C2 PFUnA	104		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C2 PFDoA	103		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C2 PFTeA	93		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C3 PFBS	88		25 - 150	05/11/20 04:22	05/12/20 03:11	1
18O2 PFHxS	92		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C4 PFOS	91		25 - 150	05/11/20 04:22	05/12/20 03:11	1
13C8 FOSA	84		25 - 150	05/11/20 04:22	05/12/20 03:11	1
d3-NMeFOSAA	106		25 - 150	05/11/20 04:22	05/12/20 03:11	1
d5-NEtFOSAA	111		25 - 150	05/11/20 04:22	05/12/20 03:11	1
M2-6:2 FTS	115		25 - 150	05/11/20 04:22	05/12/20 03:11	1
M2-8:2 FTS	115		25 - 150	05/11/20 04:22	05/12/20 03:11	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-1NORTH-75

Lab Sample ID: 320-60723-6

Date Collected: 05/06/20 09:11

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.0		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluoropentanoic acid (PFPeA)	3.7		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:20	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 03:20	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 03:20	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 03:20	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 03:20	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C5 PFPeA	93		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C2 PFHxA	99		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C4 PFHpA	97		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C4 PFOA	101		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C5 PFNA	107		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C2 PFDA	106		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C2 PFUnA	108		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C2 PFDoA	107		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C2 PFTeDA	106		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C3 PFBS	96		25 - 150	05/11/20 04:22	05/12/20 03:20	1
18O2 PFHxS	99		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C4 PFOS	100		25 - 150	05/11/20 04:22	05/12/20 03:20	1
13C8 FOSA	92		25 - 150	05/11/20 04:22	05/12/20 03:20	1
d3-NMeFOSAA	117		25 - 150	05/11/20 04:22	05/12/20 03:20	1
d5-NEtFOSAA	119		25 - 150	05/11/20 04:22	05/12/20 03:20	1
M2-6:2 FTS	123		25 - 150	05/11/20 04:22	05/12/20 03:20	1
M2-8:2 FTS	111		25 - 150	05/11/20 04:22	05/12/20 03:20	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-1MID-POINT

Lab Sample ID: 320-60723-7

Date Collected: 05/06/20 09:13

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.8		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluoropentanoic acid (PFPeA)	2.9		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:48	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 03:48	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 03:48	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 03:48	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 03:48	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	89		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C5 PFPeA	91		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C2 PFHxA	97		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C4 PFHpA	97		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C4 PFOA	96		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C5 PFNA	109		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C2 PFDA	108		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C2 PFUnA	109		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C2 PFDoA	111		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C2 PFTeDA	104		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C3 PFBS	97		25 - 150	05/11/20 04:22	05/12/20 03:48	1
18O2 PFHxS	100		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C4 PFOS	95		25 - 150	05/11/20 04:22	05/12/20 03:48	1
13C8 FOSA	86		25 - 150	05/11/20 04:22	05/12/20 03:48	1
d3-NMeFOSAA	117		25 - 150	05/11/20 04:22	05/12/20 03:48	1
d5-NEtFOSAA	122		25 - 150	05/11/20 04:22	05/12/20 03:48	1
M2-6:2 FTS	149		25 - 150	05/11/20 04:22	05/12/20 03:48	1
M2-8:2 FTS	120		25 - 150	05/11/20 04:22	05/12/20 03:48	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-1SOUTH-25

Lab Sample ID: 320-60723-8

Date Collected: 05/06/20 09:18

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.0		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluoropentanoic acid (PFPeA)	2.3		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 03:58	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 03:58	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 03:58	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 03:58	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 03:58	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	88		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C5 PFPeA	85		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C2 PFHxA	94		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C4 PFHpA	88		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C4 PFOA	96		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C5 PFNA	101		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C2 PFDA	101		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C2 PFUnA	102		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C2 PFDoA	105		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C2 PFTeDA	98		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C3 PFBS	93		25 - 150	05/11/20 04:22	05/12/20 03:58	1
18O2 PFHxS	95		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C4 PFOS	94		25 - 150	05/11/20 04:22	05/12/20 03:58	1
13C8 FOSA	88		25 - 150	05/11/20 04:22	05/12/20 03:58	1
d3-NMeFOSAA	108		25 - 150	05/11/20 04:22	05/12/20 03:58	1
d5-NEtFOSAA	110		25 - 150	05/11/20 04:22	05/12/20 03:58	1
M2-6:2 FTS	120		25 - 150	05/11/20 04:22	05/12/20 03:58	1
M2-8:2 FTS	113		25 - 150	05/11/20 04:22	05/12/20 03:58	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-1SOUTH-50

Lab Sample ID: 320-60723-9

Date Collected: 05/06/20 09:20

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.9		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:07	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 04:07	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 04:07	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 04:07	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 04:07	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C5 PFPeA	90		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C2 PFHxA	92		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C4 PFHpA	90		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C4 PFOA	95		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C5 PFNA	102		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C2 PFDA	96		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C2 PFUnA	97		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C2 PFDoA	97		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C2 PFTeA	95		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C3 PFBS	92		25 - 150	05/11/20 04:22	05/12/20 04:07	1
18O2 PFHxS	94		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C4 PFOS	94		25 - 150	05/11/20 04:22	05/12/20 04:07	1
13C8 FOSA	88		25 - 150	05/11/20 04:22	05/12/20 04:07	1
d3-NMeFOSAA	108		25 - 150	05/11/20 04:22	05/12/20 04:07	1
d5-NEtFOSAA	116		25 - 150	05/11/20 04:22	05/12/20 04:07	1
M2-6:2 FTS	114		25 - 150	05/11/20 04:22	05/12/20 04:07	1
M2-8:2 FTS	116		25 - 150	05/11/20 04:22	05/12/20 04:07	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-1SOUTH-75

Lab Sample ID: 320-60723-10

Date Collected: 05/06/20 09:21

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.5		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:16	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 04:16	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 04:16	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 04:16	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 04:16	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	90		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C5 PFPeA	86		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C2 PFHxA	91		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C4 PFHpA	91		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C4 PFOA	96		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C5 PFNA	102		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C2 PFDA	102		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C2 PFUnA	104		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C2 PFDoA	103		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C2 PFTeDA	101		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C3 PFBS	92		25 - 150	05/11/20 04:22	05/12/20 04:16	1
18O2 PFHxS	97		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C4 PFOS	91		25 - 150	05/11/20 04:22	05/12/20 04:16	1
13C8 FOSA	90		25 - 150	05/11/20 04:22	05/12/20 04:16	1
d3-NMeFOSAA	116		25 - 150	05/11/20 04:22	05/12/20 04:16	1
d5-NEtFOSAA	113		25 - 150	05/11/20 04:22	05/12/20 04:16	1
M2-6:2 FTS	117		25 - 150	05/11/20 04:22	05/12/20 04:16	1
M2-8:2 FTS	117		25 - 150	05/11/20 04:22	05/12/20 04:16	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-1POST

Lab Sample ID: 320-60723-11

Date Collected: 05/06/20 09:23

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.6		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:26	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 04:26	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 04:26	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 04:26	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 04:26	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	92		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C5 PFPeA	88		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C2 PFHxA	99		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C4 PFHpA	97		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C4 PFOA	96		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C5 PFNA	102		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C2 PFDA	101		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C2 PFUnA	100		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C2 PFDoA	97		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C2 PFTeDA	99		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C3 PFBS	93		25 - 150				05/11/20 04:22	05/12/20 04:26	1
18O2 PFHxS	94		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C4 PFOS	92		25 - 150				05/11/20 04:22	05/12/20 04:26	1
13C8 FOSA	86		25 - 150				05/11/20 04:22	05/12/20 04:26	1
d3-NMeFOSAA	109		25 - 150				05/11/20 04:22	05/12/20 04:26	1
d5-NEtFOSAA	120		25 - 150				05/11/20 04:22	05/12/20 04:26	1
M2-6:2 FTS	117		25 - 150				05/11/20 04:22	05/12/20 04:26	1
M2-8:2 FTS	108		25 - 150				05/11/20 04:22	05/12/20 04:26	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-2NORTH-25

Lab Sample ID: 320-60723-12

Date Collected: 05/06/20 09:41

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.2		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluoropentanoic acid (PFPeA)	4.1		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorohexanoic acid (PFHxA)	3.3		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorooctanoic acid (PFOA)	2.7		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorohexanesulfonic acid (PFHxS)	3.0		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorooctanesulfonic acid (PFOS)	3.5		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		05/11/20 04:22	05/12/20 04:35	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		05/11/20 04:22	05/12/20 04:35	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		05/11/20 04:22	05/12/20 04:35	1
6:2 FTS	ND		17		ng/L		05/11/20 04:22	05/12/20 04:35	1
8:2 FTS	ND		17		ng/L		05/11/20 04:22	05/12/20 04:35	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	68		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C5 PFPeA	77		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C2 PFHxA	84		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C4 PFHpA	82		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C4 PFOA	91		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C5 PFNA	100		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C2 PFDA	98		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C2 PFUnA	98		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C2 PFDoA	99		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C2 PFTeDA	102		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C3 PFBS	85		25 - 150	05/11/20 04:22	05/12/20 04:35	1
18O2 PFHxS	84		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C4 PFOS	89		25 - 150	05/11/20 04:22	05/12/20 04:35	1
13C8 FOSA	85		25 - 150	05/11/20 04:22	05/12/20 04:35	1
d3-NMeFOSAA	119		25 - 150	05/11/20 04:22	05/12/20 04:35	1
d5-NEtFOSAA	113		25 - 150	05/11/20 04:22	05/12/20 04:35	1
M2-6:2 FTS	111		25 - 150	05/11/20 04:22	05/12/20 04:35	1
M2-8:2 FTS	114		25 - 150	05/11/20 04:22	05/12/20 04:35	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-2NORTH-50

Lab Sample ID: 320-60723-13

Date Collected: 05/06/20 09:43

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.1		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluoropentanoic acid (PFPeA)	4.0		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorohexanoic acid (PFHxA)	2.8		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorooctanoic acid (PFOA)	1.8		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorooctanesulfonic acid (PFOS)	1.9	I	1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:44	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 04:44	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 04:44	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 04:44	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 04:44	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C5 PFPeA	86		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C2 PFHxA	87		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C4 PFHpA	89		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C4 PFOA	99		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C5 PFNA	108		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C2 PFDA	112		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C2 PFUnA	108		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C2 PFDoA	107		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C2 PFTeDA	104		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C3 PFBS	94		25 - 150	05/11/20 04:22	05/12/20 04:44	1
18O2 PFHxS	96		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C4 PFOS	97		25 - 150	05/11/20 04:22	05/12/20 04:44	1
13C8 FOSA	91		25 - 150	05/11/20 04:22	05/12/20 04:44	1
d3-NMeFOSAA	115		25 - 150	05/11/20 04:22	05/12/20 04:44	1
d5-NEtFOSAA	118		25 - 150	05/11/20 04:22	05/12/20 04:44	1
M2-6:2 FTS	127		25 - 150	05/11/20 04:22	05/12/20 04:44	1
M2-8:2 FTS	119		25 - 150	05/11/20 04:22	05/12/20 04:44	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-2NORTH-75

Lab Sample ID: 320-60723-14

Date Collected: 05/06/20 09:44

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.6		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluoropentanoic acid (PFPeA)	3.8		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorohexanoic acid (PFHxA)	1.9		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 04:54	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 04:54	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 04:54	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 04:54	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 04:54	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C5 PFPeA	86		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C2 PFHxA	94		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C4 PFHpA	91		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C4 PFOA	96		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C5 PFNA	105		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C2 PFDA	103		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C2 PFUnA	101		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C2 PFDoA	106		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C2 PFTeDA	103		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C3 PFBS	94		25 - 150	05/11/20 04:22	05/12/20 04:54	1
18O2 PFHxS	96		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C4 PFOS	97		25 - 150	05/11/20 04:22	05/12/20 04:54	1
13C8 FOSA	86		25 - 150	05/11/20 04:22	05/12/20 04:54	1
d3-NMeFOSAA	115		25 - 150	05/11/20 04:22	05/12/20 04:54	1
d5-NEtFOSAA	114		25 - 150	05/11/20 04:22	05/12/20 04:54	1
M2-6:2 FTS	118		25 - 150	05/11/20 04:22	05/12/20 04:54	1
M2-8:2 FTS	117		25 - 150	05/11/20 04:22	05/12/20 04:54	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-2MID-POINT

Lab Sample ID: 320-60723-15

Date Collected: 05/06/20 09:46

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.6		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluoropentanoic acid (PFPeA)	2.9		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/11/20 04:22	05/12/20 05:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 05:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/11/20 04:22	05/12/20 05:03	1
6:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 05:03	1
8:2 FTS	ND		18		ng/L		05/11/20 04:22	05/12/20 05:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C5 PFPeA	83		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C2 PFHxA	91		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C4 PFHpA	90		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C4 PFOA	95		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C5 PFNA	100		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C2 PFDA	101		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C2 PFUnA	102		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C2 PFDoA	98		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C2 PFTeDA	95		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C3 PFBS	91		25 - 150	05/11/20 04:22	05/12/20 05:03	1
18O2 PFHxS	95		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C4 PFOS	92		25 - 150	05/11/20 04:22	05/12/20 05:03	1
13C8 FOSA	85		25 - 150	05/11/20 04:22	05/12/20 05:03	1
d3-NMeFOSAA	130		25 - 150	05/11/20 04:22	05/12/20 05:03	1
d5-NEtFOSAA	117		25 - 150	05/11/20 04:22	05/12/20 05:03	1
M2-6:2 FTS	195	*5	25 - 150	05/11/20 04:22	05/12/20 05:03	1
M2-8:2 FTS	117		25 - 150	05/11/20 04:22	05/12/20 05:03	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-2SOUTH-25

Lab Sample ID: 320-60723-16

Date Collected: 05/06/20 09:50

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	6.1		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 05:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 05:13	1
6:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 05:13	1
8:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 05:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	77		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C5 PFPeA	80		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C2 PFHxA	86		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C4 PFHpA	86		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C4 PFOA	93		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C5 PFNA	96		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C2 PFDA	97		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C2 PFUnA	92		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C2 PFDoA	95		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C2 PFTeA	92		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C3 PFBS	88		25 - 150	05/10/20 18:06	05/11/20 05:13	1
18O2 PFHxS	91		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C4 PFOS	87		25 - 150	05/10/20 18:06	05/11/20 05:13	1
13C8 FOSA	83		25 - 150	05/10/20 18:06	05/11/20 05:13	1
d3-NMeFOSAA	109		25 - 150	05/10/20 18:06	05/11/20 05:13	1
d5-NEtFOSAA	108		25 - 150	05/10/20 18:06	05/11/20 05:13	1
M2-6:2 FTS	115		25 - 150	05/10/20 18:06	05/11/20 05:13	1
M2-8:2 FTS	110		25 - 150	05/10/20 18:06	05/11/20 05:13	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-2SOUTH-50

Lab Sample ID: 320-60723-17

Date Collected: 05/06/20 09:52

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.3		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:22	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 05:22	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 05:22	1
6:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 05:22	1
8:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 05:22	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	84		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C5 PFPeA	88		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C2 PFHxA	90		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C4 PFHpA	90		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C4 PFOA	95		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C5 PFNA	100		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C2 PFDA	96		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C2 PFUnA	101		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C2 PFDoA	99		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C2 PFTeDA	92		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C3 PFBS	96		25 - 150	05/10/20 18:06	05/11/20 05:22	1
18O2 PFHxS	100		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C4 PFOS	94		25 - 150	05/10/20 18:06	05/11/20 05:22	1
13C8 FOSA	83		25 - 150	05/10/20 18:06	05/11/20 05:22	1
d3-NMeFOSAA	109		25 - 150	05/10/20 18:06	05/11/20 05:22	1
d5-NEtFOSAA	115		25 - 150	05/10/20 18:06	05/11/20 05:22	1
M2-6:2 FTS	119		25 - 150	05/10/20 18:06	05/11/20 05:22	1
M2-8:2 FTS	102		25 - 150	05/10/20 18:06	05/11/20 05:22	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-2SOUTH-75

Lab Sample ID: 320-60723-18

Date Collected: 05/06/20 09:53

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.3		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:32	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 05:32	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 05:32	1
6:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 05:32	1
8:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 05:32	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	91		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C5 PFPeA	92		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C2 PFHxA	98		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C4 PFHpA	98		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C4 PFOA	103		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C5 PFNA	115		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C2 PFDA	109		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C2 PFUnA	105		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C2 PFDoA	111		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C2 PFTeDA	107		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C3 PFBS	99		25 - 150	05/10/20 18:06	05/11/20 05:32	1
18O2 PFHxS	102		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C4 PFOS	100		25 - 150	05/10/20 18:06	05/11/20 05:32	1
13C8 FOSA	96		25 - 150	05/10/20 18:06	05/11/20 05:32	1
d3-NMeFOSAA	120		25 - 150	05/10/20 18:06	05/11/20 05:32	1
d5-NEtFOSAA	125		25 - 150	05/10/20 18:06	05/11/20 05:32	1
M2-6:2 FTS	119		25 - 150	05/10/20 18:06	05/11/20 05:32	1
M2-8:2 FTS	119		25 - 150	05/10/20 18:06	05/11/20 05:32	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-2POST

Lab Sample ID: 320-60723-19

Date Collected: 05/06/20 09:56

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.4		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 05:41	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 05:41	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 05:41	1
6:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 05:41	1
8:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 05:41	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	87		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C5 PFPeA	92		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C2 PFHxA	90		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C4 PFHpA	94		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C4 PFOA	99		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C5 PFNA	99		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C2 PFDA	97		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C2 PFUnA	97		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C2 PFDoA	98		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C2 PFTeDA	95		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C3 PFBS	98		25 - 150	05/10/20 18:06	05/11/20 05:41	1
18O2 PFHxS	96		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C4 PFOS	93		25 - 150	05/10/20 18:06	05/11/20 05:41	1
13C8 FOSA	85		25 - 150	05/10/20 18:06	05/11/20 05:41	1
d3-NMeFOSAA	113		25 - 150	05/10/20 18:06	05/11/20 05:41	1
d5-NEtFOSAA	111		25 - 150	05/10/20 18:06	05/11/20 05:41	1
M2-6:2 FTS	128		25 - 150	05/10/20 18:06	05/11/20 05:41	1
M2-8:2 FTS	121		25 - 150	05/10/20 18:06	05/11/20 05:41	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-3NORTH-25

Lab Sample ID: 320-60723-20

Date Collected: 05/06/20 10:05

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.5		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluoropentanoic acid (PFPeA)	4.1		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorohexanoic acid (PFHxA)	3.0		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorooctanoic acid (PFOA)	2.4		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorohexanesulfonic acid (PFHxS)	2.7		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorooctanesulfonic acid (PFOS)	3.0		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 05:50	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		05/10/20 18:06	05/11/20 05:50	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		05/10/20 18:06	05/11/20 05:50	1
6:2 FTS	ND		17		ng/L		05/10/20 18:06	05/11/20 05:50	1
8:2 FTS	ND		17		ng/L		05/10/20 18:06	05/11/20 05:50	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	72		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C5 PFPeA	86		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C2 PFHxA	90		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C4 PFHpA	86		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C4 PFOA	91		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C5 PFNA	107		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C2 PFDA	103		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C2 PFUnA	105		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C2 PFDoA	100		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C2 PFTeDA	103		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C3 PFBS	94		25 - 150	05/10/20 18:06	05/11/20 05:50	1
18O2 PFHxS	91		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C4 PFOS	98		25 - 150	05/10/20 18:06	05/11/20 05:50	1
13C8 FOSA	88		25 - 150	05/10/20 18:06	05/11/20 05:50	1
d3-NMeFOSAA	114		25 - 150	05/10/20 18:06	05/11/20 05:50	1
d5-NEtFOSAA	122		25 - 150	05/10/20 18:06	05/11/20 05:50	1
M2-6:2 FTS	113		25 - 150	05/10/20 18:06	05/11/20 05:50	1
M2-8:2 FTS	122		25 - 150	05/10/20 18:06	05/11/20 05:50	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-3NORTH-50

Lab Sample ID: 320-60723-21

Date Collected: 05/06/20 10:06

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.8		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluoropentanoic acid (PFPeA)	3.9		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorohexanoic acid (PFHxA)	2.3		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorooctanoic acid (PFOA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:00	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		05/10/20 18:06	05/11/20 06:00	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		05/10/20 18:06	05/11/20 06:00	1
6:2 FTS	ND		17		ng/L		05/10/20 18:06	05/11/20 06:00	1
8:2 FTS	ND		17		ng/L		05/10/20 18:06	05/11/20 06:00	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	73		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C5 PFPeA	84		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C2 PFHxA	88		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C4 PFHpA	85		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C4 PFOA	96		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C5 PFNA	105		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C2 PFDA	105		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C2 PFUnA	104		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C2 PFDoA	102		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C2 PFTeDA	106		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C3 PFBS	97		25 - 150	05/10/20 18:06	05/11/20 06:00	1
18O2 PFHxS	94		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C4 PFOS	96		25 - 150	05/10/20 18:06	05/11/20 06:00	1
13C8 FOSA	87		25 - 150	05/10/20 18:06	05/11/20 06:00	1
d3-NMeFOSAA	120		25 - 150	05/10/20 18:06	05/11/20 06:00	1
d5-NEtFOSAA	127		25 - 150	05/10/20 18:06	05/11/20 06:00	1
M2-6:2 FTS	136		25 - 150	05/10/20 18:06	05/11/20 06:00	1
M2-8:2 FTS	131		25 - 150	05/10/20 18:06	05/11/20 06:00	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-3NORTH-75

Lab Sample ID: 320-60723-22

Date Collected: 05/06/20 10:08

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.3		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluoropentanoic acid (PFPeA)	3.4		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:09	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 06:09	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 06:09	1
6:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 06:09	1
8:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 06:09	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C5 PFPeA	80		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C2 PFHxA	85		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C4 PFHpA	82		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C4 PFOA	91		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C5 PFNA	96		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C2 PFDA	95		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C2 PFUnA	92		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C2 PFDoA	90		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C2 PFTeA	91		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C3 PFBS	85		25 - 150	05/10/20 18:06	05/11/20 06:09	1
18O2 PFHxS	90		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C4 PFOS	89		25 - 150	05/10/20 18:06	05/11/20 06:09	1
13C8 FOSA	85		25 - 150	05/10/20 18:06	05/11/20 06:09	1
d3-NMeFOSAA	104		25 - 150	05/10/20 18:06	05/11/20 06:09	1
d5-NEtFOSAA	106		25 - 150	05/10/20 18:06	05/11/20 06:09	1
M2-6:2 FTS	107		25 - 150	05/10/20 18:06	05/11/20 06:09	1
M2-8:2 FTS	103		25 - 150	05/10/20 18:06	05/11/20 06:09	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-3MID-POINT

Lab Sample ID: 320-60723-23

Date Collected: 05/06/20 10:10

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.1		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluoropentanoic acid (PFPeA)	2.4		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorobutanesulfonic acid (PFBS)	8.7		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 06:28	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 06:28	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 06:28	1
6:2 FTS	23		18		ng/L		05/10/20 18:06	05/11/20 06:28	1
8:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 06:28	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	82		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C5 PFPeA	94		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C2 PFHxA	96		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C4 PFHpA	99		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C4 PFOA	103		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C5 PFNA	114		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C2 PFDA	113		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C2 PFUnA	117		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C2 PFDoA	115		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C2 PFTeDA	108		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C3 PFBS	102		25 - 150	05/10/20 18:06	05/11/20 06:28	1
18O2 PFHxS	99		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C4 PFOS	101		25 - 150	05/10/20 18:06	05/11/20 06:28	1
13C8 FOSA	96		25 - 150	05/10/20 18:06	05/11/20 06:28	1
d3-NMeFOSAA	135		25 - 150	05/10/20 18:06	05/11/20 06:28	1
d5-NEtFOSAA	138		25 - 150	05/10/20 18:06	05/11/20 06:28	1
M2-6:2 FTS	172	*5	25 - 150	05/10/20 18:06	05/11/20 06:28	1
M2-8:2 FTS	129		25 - 150	05/10/20 18:06	05/11/20 06:28	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-3SOUTH-25

Lab Sample ID: 320-60723-24

Date Collected: 05/06/20 10:13

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.2		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluoropentanoic acid (PFPeA)	1.9		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorohexanoic acid (PFHxA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorooctanoic acid (PFOA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:37	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		05/10/20 18:06	05/11/20 06:37	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		05/10/20 18:06	05/11/20 06:37	1
6:2 FTS	ND		17		ng/L		05/10/20 18:06	05/11/20 06:37	1
8:2 FTS	ND		17		ng/L		05/10/20 18:06	05/11/20 06:37	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	75		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C5 PFPeA	86		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C2 PFHxA	87		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C4 PFHpA	87		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C4 PFOA	94		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C5 PFNA	103		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C2 PFDA	96		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C2 PFUnA	102		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C2 PFDoA	100		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C2 PFTeDA	96		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C3 PFBS	90		25 - 150	05/10/20 18:06	05/11/20 06:37	1
18O2 PFHxS	92		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C4 PFOS	92		25 - 150	05/10/20 18:06	05/11/20 06:37	1
13C8 FOSA	84		25 - 150	05/10/20 18:06	05/11/20 06:37	1
d3-NMeFOSAA	114		25 - 150	05/10/20 18:06	05/11/20 06:37	1
d5-NEtFOSAA	120		25 - 150	05/10/20 18:06	05/11/20 06:37	1
M2-6:2 FTS	120		25 - 150	05/10/20 18:06	05/11/20 06:37	1
M2-8:2 FTS	110		25 - 150	05/10/20 18:06	05/11/20 06:37	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-3SOUTH-50

Lab Sample ID: 320-60723-25

Date Collected: 05/06/20 10:15

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.1		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluoropentanoic acid (PFPeA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorohexanoic acid (PFHxA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorooctanoic acid (PFOA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:46	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		05/10/20 18:06	05/11/20 06:46	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		05/10/20 18:06	05/11/20 06:46	1
6:2 FTS	ND		17		ng/L		05/10/20 18:06	05/11/20 06:46	1
8:2 FTS	ND		17		ng/L		05/10/20 18:06	05/11/20 06:46	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	78		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C5 PFPeA	80		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C2 PFHxA	88		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C4 PFHpA	86		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C4 PFOA	92		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C5 PFNA	95		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C2 PFDA	94		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C2 PFUnA	95		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C2 PFDoA	91		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C2 PFTeDA	90		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C3 PFBS	85		25 - 150	05/10/20 18:06	05/11/20 06:46	1
18O2 PFHxS	93		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C4 PFOS	90		25 - 150	05/10/20 18:06	05/11/20 06:46	1
13C8 FOSA	82		25 - 150	05/10/20 18:06	05/11/20 06:46	1
d3-NMeFOSAA	102		25 - 150	05/10/20 18:06	05/11/20 06:46	1
d5-NEtFOSAA	108		25 - 150	05/10/20 18:06	05/11/20 06:46	1
M2-6:2 FTS	114		25 - 150	05/10/20 18:06	05/11/20 06:46	1
M2-8:2 FTS	101		25 - 150	05/10/20 18:06	05/11/20 06:46	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-3SOUTH-75

Lab Sample ID: 320-60723-26

Date Collected: 05/06/20 10:17

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.6		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluoropentanoic acid (PFPeA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorohexanoic acid (PFHxA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorooctanoic acid (PFOA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		05/10/20 18:06	05/11/20 06:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		05/10/20 18:06	05/11/20 06:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		05/10/20 18:06	05/11/20 06:56	1
6:2 FTS	ND		17		ng/L		05/10/20 18:06	05/11/20 06:56	1
8:2 FTS	ND		17		ng/L		05/10/20 18:06	05/11/20 06:56	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C5 PFPeA	80		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C2 PFHxA	83		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C4 PFHpA	90		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C4 PFOA	86		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C5 PFNA	92		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C2 PFDA	91		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C2 PFUnA	90		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C2 PFDoA	92		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C2 PFTeDA	85		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C3 PFBS	85		25 - 150	05/10/20 18:06	05/11/20 06:56	1
18O2 PFHxS	89		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C4 PFOS	81		25 - 150	05/10/20 18:06	05/11/20 06:56	1
13C8 FOSA	80		25 - 150	05/10/20 18:06	05/11/20 06:56	1
d3-NMeFOSAA	114		25 - 150	05/10/20 18:06	05/11/20 06:56	1
d5-NEtFOSAA	113		25 - 150	05/10/20 18:06	05/11/20 06:56	1
M2-6:2 FTS	194	*5	25 - 150	05/10/20 18:06	05/11/20 06:56	1
M2-8:2 FTS	120		25 - 150	05/10/20 18:06	05/11/20 06:56	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-3POST

Lab Sample ID: 320-60723-27

Date Collected: 05/06/20 10:19

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.5		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:05	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 07:05	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 07:05	1
6:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 07:05	1
8:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 07:05	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	76		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C5 PFPeA	77		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C2 PFHxA	83		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C4 PFHpA	84		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C4 PFOA	86		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C5 PFNA	90		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C2 PFDA	89		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C2 PFUnA	95		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C2 PFDoA	92		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C2 PFTeDA	84		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C3 PFBS	86		25 - 150	05/10/20 18:06	05/11/20 07:05	1
18O2 PFHxS	87		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C4 PFOS	84		25 - 150	05/10/20 18:06	05/11/20 07:05	1
13C8 FOSA	74		25 - 150	05/10/20 18:06	05/11/20 07:05	1
d3-NMeFOSAA	108		25 - 150	05/10/20 18:06	05/11/20 07:05	1
d5-NEtFOSAA	110		25 - 150	05/10/20 18:06	05/11/20 07:05	1
M2-6:2 FTS	106		25 - 150	05/10/20 18:06	05/11/20 07:05	1
M2-8:2 FTS	103		25 - 150	05/10/20 18:06	05/11/20 07:05	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-1RAW

Lab Sample ID: 320-60723-28

Date Collected: 05/06/20 10:55

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	5.8		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluoropentanoic acid (PFPeA)	3.4		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorohexanoic acid (PFHxA)	3.7		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorooctanoic acid (PFOA)	3.3		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorobutanesulfonic acid (PFBS)	3.0		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorohexanesulfonic acid (PFHxS)	2.7		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorooctanesulfonic acid (PFOS)	3.8		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		05/10/20 18:06	05/11/20 07:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 07:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		05/10/20 18:06	05/11/20 07:14	1
6:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 07:14	1
8:2 FTS	ND		18		ng/L		05/10/20 18:06	05/11/20 07:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	70		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C5 PFPeA	81		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C2 PFHxA	85		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C4 PFHpA	83		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C4 PFOA	91		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C5 PFNA	101		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C2 PFDA	100		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C2 PFUnA	99		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C2 PFDoA	99		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C2 PFTeDA	100		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C3 PFBS	88		25 - 150	05/10/20 18:06	05/11/20 07:14	1
18O2 PFHxS	93		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C4 PFOS	92		25 - 150	05/10/20 18:06	05/11/20 07:14	1
13C8 FOSA	83		25 - 150	05/10/20 18:06	05/11/20 07:14	1
d3-NMeFOSAA	112		25 - 150	05/10/20 18:06	05/11/20 07:14	1
d5-NEtFOSAA	118		25 - 150	05/10/20 18:06	05/11/20 07:14	1
M2-6:2 FTS	117		25 - 150	05/10/20 18:06	05/11/20 07:14	1
M2-8:2 FTS	113		25 - 150	05/10/20 18:06	05/11/20 07:14	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-3RAW

Lab Sample ID: 320-60723-29

Date Collected: 05/06/20 10:34

Matrix: Water

Date Received: 05/08/20 10:00

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.9		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluoropentanoic acid (PFPeA)	4.3		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorohexanoic acid (PFHxA)	3.2		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluoroheptanoic acid (PFHpA)	2.0		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorooctanoic acid (PFOA)	3.7		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorohexanesulfonic acid (PFHxS)	3.9		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorooctanesulfonic acid (PFOS)	5.9		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		05/10/20 18:06	05/11/20 07:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19		ng/L		05/10/20 18:06	05/11/20 07:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19		ng/L		05/10/20 18:06	05/11/20 07:24	1
6:2 FTS	ND		19		ng/L		05/10/20 18:06	05/11/20 07:24	1
8:2 FTS	ND		19		ng/L		05/10/20 18:06	05/11/20 07:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	62		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C5 PFPeA	77		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C2 PFHxA	81		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C4 PFHpA	78		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C4 PFOA	84		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C5 PFNA	95		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C2 PFDA	97		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C2 PFUnA	91		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C2 PFDoA	93		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C2 PFTeDA	89		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C3 PFBS	84		25 - 150	05/10/20 18:06	05/11/20 07:24	1
18O2 PFHxS	85		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C4 PFOS	85		25 - 150	05/10/20 18:06	05/11/20 07:24	1
13C8 FOSA	81		25 - 150	05/10/20 18:06	05/11/20 07:24	1
d3-NMeFOSAA	98		25 - 150	05/10/20 18:06	05/11/20 07:24	1
d5-NEtFOSAA	107		25 - 150	05/10/20 18:06	05/11/20 07:24	1
M2-6:2 FTS	106		25 - 150	05/10/20 18:06	05/11/20 07:24	1
M2-8:2 FTS	103		25 - 150	05/10/20 18:06	05/11/20 07:24	1

Eurofins TestAmerica, Sacramento

Isotope Dilution Summary

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

Job ID: 320-60723-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Matrix: Water

Prep Type: Total/NA

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFBA (25-150)	PFPeA (25-150)	PFHxA (25-150)	C4PFHA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-60723-1	BH20200506POST-GAC	84	83	90	87	93	94	95	96
320-60723-1 MS	BH20200506POST-GAC	88	88	95	93	96	102	104	104
320-60723-1 MSD	BH20200506POST-GAC	82	86	93	93	97	98	99	101
320-60723-2	BH20200506POST-GAC DUP	84	84	91	90	96	94	98	97
320-60723-3	BH20200506PRE-GAC	70	82	91	91	95	102	103	109
320-60723-4	BH20200506-1NORTH-25	77	83	89	85	94	106	106	109
320-60723-5	BH20200506-1NORTH-50	77	83	89	89	93	98	100	104
320-60723-6	BH20200506-1NORTH-75	89	93	99	97	101	107	106	108
320-60723-7	BH20200506-1MID-POINT	89	91	97	97	96	109	108	109
320-60723-8	BH20200506-1SOUTH-25	88	85	94	88	96	101	101	102
320-60723-9	BH20200506-1SOUTH-50	84	90	92	90	95	102	96	97
320-60723-10	BH20200506-1SOUTH-75	90	86	91	91	96	102	102	104
320-60723-11	BH20200506-1POST	92	88	99	97	96	102	101	100
320-60723-12	BH20200506-2NORTH-25	68	77	84	82	91	100	98	98
320-60723-13	BH20200506-2NORTH-50	76	86	87	89	99	108	112	108
320-60723-14	BH20200506-2NORTH-75	85	86	94	91	96	105	103	101
320-60723-15	BH20200506-2MID-POINT	82	83	91	90	95	100	101	102
320-60723-16	BH20200506-2SOUTH-25	77	80	86	86	93	96	97	92
320-60723-17	BH20200506-2SOUTH-50	84	88	90	90	95	100	96	101
320-60723-18	BH20200506-2SOUTH-75	91	92	98	98	103	115	109	105
320-60723-19	BH20200506-2POST	87	92	90	94	99	99	97	97
320-60723-20	BH20200506-3NORTH-25	72	86	90	86	91	107	103	105
320-60723-21	BH20200506-3NORTH-50	73	84	88	85	96	105	105	104
320-60723-22	BH20200506-3NORTH-75	75	80	85	82	91	96	95	92
320-60723-23	BH20200506-3MID-POINT	82	94	96	99	103	114	113	117
320-60723-24	BH20200506-3SOUTH-25	75	86	87	87	94	103	96	102
320-60723-25	BH20200506-3SOUTH-50	78	80	88	86	92	95	94	95
320-60723-26	BH20200506-3SOUTH-75	76	80	83	90	86	92	91	90
320-60723-27	BH20200506-3POST	76	77	83	84	86	90	89	95
320-60723-28	BH20200506-1RAW	70	81	85	83	91	101	100	99
320-60723-29	BH20200506-3RAW	62	77	81	78	84	95	97	91
LCS 320-377781/2-A	Lab Control Sample	107	108	118	111	116	125	121	124
LCS 320-377794/2-A	Lab Control Sample	86	90	99	90	97	97	97	102
LCSD 320-377781/3-A	Lab Control Sample Dup	84	86	94	92	98	102	98	96
MB 320-377781/1-A	Method Blank	85	87	89	90	96	102	99	98
MB 320-377794/1-A	Method Blank	88	88	94	95	98	100	103	97
Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDaA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-60723-1	BH20200506POST-GAC	98	96	88	92	88	80	105	114
320-60723-1 MS	BH20200506POST-GAC	101	95	95	97	96	83	111	117
320-60723-1 MSD	BH20200506POST-GAC	104	95	93	95	90	82	107	114
320-60723-2	BH20200506POST-GAC DUP	95	93	86	88	89	79	108	107
320-60723-3	BH20200506PRE-GAC	113	104	89	94	96	88	119	115
320-60723-4	BH20200506-1NORTH-25	110	106	88	91	97	89	119	119
320-60723-5	BH20200506-1NORTH-50	103	93	88	92	91	84	106	111
320-60723-6	BH20200506-1NORTH-75	107	106	96	99	100	92	117	119
320-60723-7	BH20200506-1MID-POINT	111	104	97	100	95	86	117	122
320-60723-8	BH20200506-1SOUTH-25	105	98	93	95	94	88	108	110

Eurofins TestAmerica, Sacramento

Isotope Dilution Summary

Client: New York State D.E.C.

Job ID: 320-60723-1

Project/Site: Stewart ANGB - Butterhill #336089

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)							
		PFDaA (25-150)	PFTDA (25-150)	C3PFBS (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	d3NMFOS (25-150)	d5NEFOS (25-150)
320-60723-9	BH20200506-1SOUTH-50	97	95	92	94	94	88	108	116
320-60723-10	BH20200506-1SOUTH-75	103	101	92	97	91	90	116	113
320-60723-11	BH20200506-1POST	97	99	93	94	92	86	109	120
320-60723-12	BH20200506-2NORTH-25	99	102	85	84	89	85	119	113
320-60723-13	BH20200506-2NORTH-50	107	104	94	96	97	91	115	118
320-60723-14	BH20200506-2NORTH-75	106	103	94	96	97	86	115	114
320-60723-15	BH20200506-2MID-POINT	98	95	91	95	92	85	130	117
320-60723-16	BH20200506-2SOUTH-25	95	92	88	91	87	83	109	108
320-60723-17	BH20200506-2SOUTH-50	99	92	96	100	94	83	109	115
320-60723-18	BH20200506-2SOUTH-75	111	107	99	102	100	96	120	125
320-60723-19	BH20200506-2POST	98	95	98	96	93	85	113	111
320-60723-20	BH20200506-3NORTH-25	100	103	94	91	98	88	114	122
320-60723-21	BH20200506-3NORTH-50	102	106	97	94	96	87	120	127
320-60723-22	BH20200506-3NORTH-75	90	91	85	90	89	85	104	106
320-60723-23	BH20200506-3MID-POINT	115	108	102	99	101	96	135	138
320-60723-24	BH20200506-3SOUTH-25	100	96	90	92	92	84	114	120
320-60723-25	BH20200506-3SOUTH-50	91	90	85	93	90	82	102	108
320-60723-26	BH20200506-3SOUTH-75	92	85	85	89	81	80	114	113
320-60723-27	BH20200506-3POST	92	84	86	87	84	74	108	110
320-60723-28	BH20200506-1RAW	99	100	88	93	92	83	112	118
320-60723-29	BH20200506-3RAW	93	89	84	85	85	81	98	107
LCS 320-377781/2-A	Lab Control Sample	127	120	120	120	115	111	143	149
LCS 320-377794/2-A	Lab Control Sample	101	92	93	97	92	86	113	113
LCSD 320-377781/3-A	Lab Control Sample Dup	103	91	94	99	91	85	117	118
MB 320-377781/1-A	Method Blank	107	89	94	95	92	84	114	119
MB 320-377794/1-A	Method Blank	102	100	94	95	95	87	118	115

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)	
		M262FTS (25-150)	M282FTS (25-150)
320-60723-1	BH20200506POST-GAC	110	101
320-60723-1 MS	BH20200506POST-GAC	121	107
320-60723-1 MSD	BH20200506POST-GAC	109	108
320-60723-2	BH20200506POST-GAC DUP	108	106
320-60723-3	BH20200506PRE-GAC	126	121
320-60723-4	BH20200506-1NORTH-25	119	110
320-60723-5	BH20200506-1NORTH-50	115	115
320-60723-6	BH20200506-1NORTH-75	123	111
320-60723-7	BH20200506-1MID-POINT	149	120
320-60723-8	BH20200506-1SOUTH-25	120	113
320-60723-9	BH20200506-1SOUTH-50	114	116
320-60723-10	BH20200506-1SOUTH-75	117	117
320-60723-11	BH20200506-1POST	117	108
320-60723-12	BH20200506-2NORTH-25	111	114
320-60723-13	BH20200506-2NORTH-50	127	119
320-60723-14	BH20200506-2NORTH-75	118	117
320-60723-15	BH20200506-2MID-POINT	195 *5	117
320-60723-16	BH20200506-2SOUTH-25	115	110
320-60723-17	BH20200506-2SOUTH-50	119	102
320-60723-18	BH20200506-2SOUTH-75	119	119
320-60723-19	BH20200506-2POST	128	121

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Isotope Dilution Summary

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

Job ID: 320-60723-1

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)
320-60723-20	BH20200506-3NORTH-25	113	122
320-60723-21	BH20200506-3NORTH-50	136	131
320-60723-22	BH20200506-3NORTH-75	107	103
320-60723-23	BH20200506-3MID-POINT	172 *5	129
320-60723-24	BH20200506-3SOUTH-25	120	110
320-60723-25	BH20200506-3SOUTH-50	114	101
320-60723-26	BH20200506-3SOUTH-75	194 *5	120
320-60723-27	BH20200506-3POST	106	103
320-60723-28	BH20200506-1RAW	117	113
320-60723-29	BH20200506-3RAW	106	103
LCS 320-377781/2-A	Lab Control Sample	147	158 *5
LCS 320-377794/2-A	Lab Control Sample	115	109
LCSD 320-377781/3-A	Lab Control Sample Dup	121	105
MB 320-377781/1-A	Method Blank	120	128
MB 320-377794/1-A	Method Blank	116	115

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

QC Sample Results

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

Job ID: 320-60723-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-377781/1-A

Matrix: Water

Analysis Batch: 377796

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 377781

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		05/10/20 18:06	05/11/20 04:45	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20		ng/L		05/10/20 18:06	05/11/20 04:45	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20		ng/L		05/10/20 18:06	05/11/20 04:45	1
6:2 FTS	ND		20		ng/L		05/10/20 18:06	05/11/20 04:45	1
8:2 FTS	ND		20		ng/L		05/10/20 18:06	05/11/20 04:45	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	85		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C5 PFPeA	87		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C2 PFHxA	89		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C4 PFHpA	90		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C4 PFOA	96		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C5 PFNA	102		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C2 PFDA	99		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C2 PFUnA	98		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C2 PFDoA	107		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C2 PFTeDA	89		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C3 PFBS	94		25 - 150	05/10/20 18:06	05/11/20 04:45	1
18O2 PFHxS	95		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C4 PFOS	92		25 - 150	05/10/20 18:06	05/11/20 04:45	1
13C8 FOSA	84		25 - 150	05/10/20 18:06	05/11/20 04:45	1
d3-NMeFOSAA	114		25 - 150	05/10/20 18:06	05/11/20 04:45	1
d5-NEtFOSAA	119		25 - 150	05/10/20 18:06	05/11/20 04:45	1
M2-6:2 FTS	120		25 - 150	05/10/20 18:06	05/11/20 04:45	1
M2-8:2 FTS	128		25 - 150	05/10/20 18:06	05/11/20 04:45	1

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QC Sample Results

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

Job ID: 320-60723-1

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

Lab Sample ID: LCS 320-377781/2-A

Matrix: Water

Analysis Batch: 377796

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 377781

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	45.8		ng/L		115	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	43.5		ng/L		109	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	44.2		ng/L		111	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	47.3		ng/L		118	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	45.5		ng/L		114	70 - 130
Perfluorononanoic acid (PFNA)	40.0	44.6		ng/L		112	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	45.1		ng/L		113	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	46.0		ng/L		115	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	44.2		ng/L		110	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	46.3		ng/L		116	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	43.4		ng/L		108	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	37.0		ng/L		105	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.4	38.5		ng/L		106	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	45.0		ng/L		118	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.1	41.6		ng/L		112	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	42.8		ng/L		111	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	42.7		ng/L		107	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	43.7		ng/L		109	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	41.0		ng/L		103	76 - 136
6:2 FTS	37.9	42.7		ng/L		113	59 - 175
8:2 FTS	38.3	39.6		ng/L		103	75 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	107		25 - 150
13C5 PFPeA	108		25 - 150
13C2 PFHxA	118		25 - 150
13C4 PFHpA	111		25 - 150
13C4 PFOA	116		25 - 150
13C5 PFNA	125		25 - 150
13C2 PFDA	121		25 - 150
13C2 PFUnA	124		25 - 150
13C2 PFDoA	127		25 - 150
13C2 PFTeDA	120		25 - 150
13C3 PFBS	120		25 - 150
18O2 PFHxS	120		25 - 150
13C4 PFOS	115		25 - 150
13C8 FOSA	111		25 - 150
d3-NMeFOSAA	143		25 - 150
d5-NEtFOSAA	149		25 - 150

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QC Sample Results

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

Job ID: 320-60723-1

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

Lab Sample ID: LCS 320-377781/2-A

Matrix: Water

Analysis Batch: 377796

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 377781

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
M2-6:2 FTS	147		25 - 150
M2-8:2 FTS	158	*5	25 - 150

Lab Sample ID: LCSD 320-377781/3-A

Matrix: Water

Analysis Batch: 377796

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 377781

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits		RPD Limit	
							RPD	Limit		
Perfluorobutanoic acid (PFBA)	40.0	48.4		ng/L		121	5	30	76 - 136	
Perfluoropentanoic acid (PFPeA)	40.0	42.7		ng/L		107	2	30	71 - 131	
Perfluorohexanoic acid (PFHxA)	40.0	44.8		ng/L		112	1	30	73 - 133	
Perfluoroheptanoic acid (PFHpA)	40.0	48.1		ng/L		120	2	30	72 - 132	
Perfluorooctanoic acid (PFOA)	40.0	43.7		ng/L		109	4	30	70 - 130	
Perfluorononanoic acid (PFNA)	40.0	46.2		ng/L		116	4	30	75 - 135	
Perfluorodecanoic acid (PFDA)	40.0	46.0		ng/L		115	2	30	76 - 136	
Perfluoroundecanoic acid (PFUnA)	40.0	48.1		ng/L		120	5	30	68 - 128	
Perfluorododecanoic acid (PFDoA)	40.0	44.6		ng/L		112	1	30	71 - 131	
Perfluorotridecanoic acid (PFTriA)	40.0	45.8		ng/L		115	1	30	71 - 131	
Perfluorotetradecanoic acid (PFTeA)	40.0	47.0		ng/L		118	8	30	70 - 130	
Perfluorobutanesulfonic acid (PFBS)	35.4	40.2		ng/L		114	8	30	67 - 127	
Perfluorohexanesulfonic acid (PFHxS)	36.4	36.7		ng/L		101	5	30	59 - 119	
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	46.2		ng/L		121	3	30	76 - 136	
Perfluorooctanesulfonic acid (PFOS)	37.1	42.6		ng/L		115	2	30	70 - 130	
Perfluorodecanesulfonic acid (PFDS)	38.6	43.8		ng/L		114	3	30	71 - 131	
Perfluorooctanesulfonamide (FOSA)	40.0	46.3		ng/L		116	8	30	73 - 133	
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	43.0		ng/L		108	2	30	76 - 136	
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	41.1		ng/L		103	0	30	76 - 136	
6:2 FTS	37.9	43.0		ng/L		113	1	30	59 - 175	
8:2 FTS	38.3	45.0		ng/L		117	13	30	75 - 135	

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	84		25 - 150
13C5 PFPeA	86		25 - 150
13C2 PFHxA	94		25 - 150
13C4 PFHpA	92		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	98		25 - 150
13C2 PFUnA	96		25 - 150
13C2 PFDoA	103		25 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-60723-1

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

Lab Sample ID: LCSD 320-377781/3-A

Matrix: Water

Analysis Batch: 377796

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 377781

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C2 PFTeDA	91		25 - 150
13C3 PFBS	94		25 - 150
18O2 PFHxS	99		25 - 150
13C4 PFOS	91		25 - 150
13C8 FOSA	85		25 - 150
d3-NMeFOSAA	117		25 - 150
d5-NEtFOSAA	118		25 - 150
M2-6:2 FTS	121		25 - 150
M2-8:2 FTS	105		25 - 150

Lab Sample ID: MB 320-377794/1-A

Matrix: Water

Analysis Batch: 377971

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 377794

Analyte	MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		05/11/20 04:22	05/12/20 01:56	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20		ng/L		05/11/20 04:22	05/12/20 01:56	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20		ng/L		05/11/20 04:22	05/12/20 01:56	1
6:2 FTS	ND		20		ng/L		05/11/20 04:22	05/12/20 01:56	1
8:2 FTS	ND		20		ng/L		05/11/20 04:22	05/12/20 01:56	1
Isotope Dilution	MB		Limits				Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier							
13C4 PFBA	88		25 - 150				05/11/20 04:22	05/12/20 01:56	1
13C5 PFPeA	88		25 - 150				05/11/20 04:22	05/12/20 01:56	1
13C2 PFHxA	94		25 - 150				05/11/20 04:22	05/12/20 01:56	1
13C4 PFHpA	95		25 - 150				05/11/20 04:22	05/12/20 01:56	1
13C4 PFOA	98		25 - 150				05/11/20 04:22	05/12/20 01:56	1
13C5 PFNA	100		25 - 150				05/11/20 04:22	05/12/20 01:56	1
13C2 PFDA	103		25 - 150				05/11/20 04:22	05/12/20 01:56	1
13C2 PFUnA	97		25 - 150				05/11/20 04:22	05/12/20 01:56	1
13C2 PFDoA	102		25 - 150				05/11/20 04:22	05/12/20 01:56	1

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-60723-1

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

Lab Sample ID: MB 320-377794/1-A

Matrix: Water

Analysis Batch: 377971

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 377794

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	100		25 - 150	05/11/20 04:22	05/12/20 01:56	1
13C3 PFBS	94		25 - 150	05/11/20 04:22	05/12/20 01:56	1
18O2 PFHxS	95		25 - 150	05/11/20 04:22	05/12/20 01:56	1
13C4 PFOS	95		25 - 150	05/11/20 04:22	05/12/20 01:56	1
13C8 FOSA	87		25 - 150	05/11/20 04:22	05/12/20 01:56	1
d3-NMeFOSAA	118		25 - 150	05/11/20 04:22	05/12/20 01:56	1
d5-NEtFOSAA	115		25 - 150	05/11/20 04:22	05/12/20 01:56	1
M2-6:2 FTS	116		25 - 150	05/11/20 04:22	05/12/20 01:56	1
M2-8:2 FTS	115		25 - 150	05/11/20 04:22	05/12/20 01:56	1

Lab Sample ID: LCS 320-377794/2-A

Matrix: Water

Analysis Batch: 377971

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 377794

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	42.9		ng/L		107	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	39.3		ng/L		98	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	39.8		ng/L		100	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	43.8		ng/L		110	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	40.4		ng/L		101	70 - 130
Perfluorononanoic acid (PFNA)	40.0	42.3		ng/L		106	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	41.1		ng/L		103	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	43.8		ng/L		109	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	40.0		ng/L		100	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	41.2		ng/L		103	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	43.0		ng/L		108	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	36.9		ng/L		104	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.4	32.9		ng/L		90	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	41.1		ng/L		108	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.1	39.0		ng/L		105	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	40.3		ng/L		104	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	42.7		ng/L		107	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	41.0		ng/L		102	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	40.1		ng/L		100	76 - 136
6:2 FTS	37.9	38.0		ng/L		100	59 - 175
8:2 FTS	38.3	39.7		ng/L		104	75 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	86		25 - 150
13C5 PFPeA	90		25 - 150

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QC Sample Results

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

Job ID: 320-60723-1

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

Lab Sample ID: LCS 320-377794/2-A

Matrix: Water

Analysis Batch: 377971

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 377794

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFHxA	99		25 - 150
13C4 PFHpA	90		25 - 150
13C4 PFOA	97		25 - 150
13C5 PFNA	97		25 - 150
13C2 PFDA	97		25 - 150
13C2 PFUnA	102		25 - 150
13C2 PFDoA	101		25 - 150
13C2 PFTeDA	92		25 - 150
13C3 PFBS	93		25 - 150
18O2 PFHxS	97		25 - 150
13C4 PFOS	92		25 - 150
13C8 FOSA	86		25 - 150
d3-NMeFOSAA	113		25 - 150
d5-NEtFOSAA	113		25 - 150
M2-6:2 FTS	115		25 - 150
M2-8:2 FTS	109		25 - 150

Lab Sample ID: 320-60723-1 MS

Matrix: Water

Analysis Batch: 377971

Client Sample ID: BH20200506POST-GAC

Prep Type: Total/NA

Prep Batch: 377794

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	Limits
Perfluorobutanoic acid (PFBA)	3.4		35.0	40.9		ng/L		107	76 - 136
Perfluoropentanoic acid (PFPeA)	ND		35.0	36.2		ng/L		103	71 - 131
Perfluorohexanoic acid (PFHxA)	ND		35.0	35.0		ng/L		100	73 - 133
Perfluoroheptanoic acid (PFHpA)	ND		35.0	35.6		ng/L		102	72 - 132
Perfluorooctanoic acid (PFOA)	ND		35.0	35.7		ng/L		102	70 - 130
Perfluorononanoic acid (PFNA)	ND		35.0	36.4		ng/L		104	75 - 135
Perfluorodecanoic acid (PFDA)	ND		35.0	34.9		ng/L		100	76 - 136
Perfluoroundecanoic acid (PFUnA)	ND		35.0	38.6		ng/L		110	68 - 128
Perfluorododecanoic acid (PFDoA)	ND		35.0	35.3		ng/L		101	71 - 131
Perfluorotridecanoic acid (PFTriA)	ND		35.0	34.2		ng/L		98	71 - 131
Perfluorotetradecanoic acid (PFTeA)	ND		35.0	36.8		ng/L		105	70 - 130
Perfluorobutanesulfonic acid (PFBS)	ND		31.0	30.7		ng/L		99	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	ND		31.9	28.6		ng/L		89	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	ND		33.3	36.1		ng/L		108	76 - 136
Perfluorooctanesulfonic acid (PFOS)	ND		32.5	32.2		ng/L		99	70 - 130
Perfluorodecanesulfonic acid (PFDS)	ND		33.8	33.5		ng/L		99	71 - 131
Perfluorooctanesulfonamide (FOSA)	ND		35.0	39.4		ng/L		113	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		35.0	37.0		ng/L		106	76 - 136

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-60723-1

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

Lab Sample ID: 320-60723-1 MS

Matrix: Water

Analysis Batch: 377971

Client Sample ID: BH20200506POST-GAC

Prep Type: Total/NA

Prep Batch: 377794

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-ethylperfluorooctanesulfonami doacetic acid (NETFOSAA)	ND		35.0	34.6		ng/L		99	76 - 136
6:2 FTS	ND		33.2	32.4		ng/L		98	59 - 175
8:2 FTS	ND		33.6	37.6		ng/L		112	75 - 135
MS MS									
Isotope Dilution	%Recovery	Qualifier	Limits						
13C4 PFBA	88		25 - 150						
13C5 PFPeA	88		25 - 150						
13C2 PFHxA	95		25 - 150						
13C4 PFHpA	93		25 - 150						
13C4 PFOA	96		25 - 150						
13C5 PFNA	102		25 - 150						
13C2 PFDA	104		25 - 150						
13C2 PFUnA	104		25 - 150						
13C2 PFDoA	101		25 - 150						
13C2 PFTeDA	95		25 - 150						
13C3 PFBS	95		25 - 150						
18O2 PFHxS	97		25 - 150						
13C4 PFOS	96		25 - 150						
13C8 FOSA	83		25 - 150						
d3-NMeFOSAA	111		25 - 150						
d5-NEtFOSAA	117		25 - 150						
M2-6:2 FTS	121		25 - 150						
M2-8:2 FTS	107		25 - 150						

Lab Sample ID: 320-60723-1 MSD

Matrix: Water

Analysis Batch: 377971

Client Sample ID: BH20200506POST-GAC

Prep Type: Total/NA

Prep Batch: 377794

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	Limit
Perfluorobutanoic acid (PFBA)	3.4		36.2	42.4		ng/L		108	76 - 136	4	30
Perfluoropentanoic acid (PFPeA)	ND		36.2	37.0		ng/L		102	71 - 131	2	30
Perfluorohexanoic acid (PFHxA)	ND		36.2	37.4		ng/L		103	73 - 133	7	30
Perfluoroheptanoic acid (PFHpA)	ND		36.2	36.3		ng/L		100	72 - 132	2	30
Perfluorooctanoic acid (PFOA)	ND		36.2	35.2		ng/L		97	70 - 130	1	30
Perfluorononanoic acid (PFNA)	ND		36.2	36.2		ng/L		100	75 - 135	1	30
Perfluorodecanoic acid (PFDA)	ND		36.2	38.9		ng/L		107	76 - 136	11	30
Perfluoroundecanoic acid (PFUnA)	ND		36.2	39.3		ng/L		108	68 - 128	2	30
Perfluorododecanoic acid (PFDoA)	ND		36.2	35.1		ng/L		97	71 - 131	1	30
Perfluorotridecanoic acid (PFTriA)	ND		36.2	36.3		ng/L		100	71 - 131	6	30
Perfluorotetradecanoic acid (PFTeA)	ND		36.2	38.7		ng/L		107	70 - 130	5	30
Perfluorobutanesulfonic acid (PFBS)	ND		32.0	32.4		ng/L		101	67 - 127	6	30
Perfluorohexanesulfonic acid (PFHxS)	ND		33.0	30.5		ng/L		92	59 - 119	7	30
Perfluoroheptanesulfonic Acid (PFHpS)	ND		34.5	37.2		ng/L		108	76 - 136	3	30

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-60723-1

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

Lab Sample ID: 320-60723-1 MSD

Matrix: Water

Analysis Batch: 377971

Client Sample ID: BH20200506POST-GAC

Prep Type: Total/NA

Prep Batch: 377794

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorooctanesulfonic acid (PFOS)	ND		33.6	34.7		ng/L		103	70 - 130	8	30
Perfluorodecanesulfonic acid (PFDS)	ND		34.9	35.0		ng/L		100	71 - 131	4	30
Perfluorooctanesulfonamide (FOSA)	ND		36.2	39.9		ng/L		110	73 - 133	1	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		36.2	38.7		ng/L		107	76 - 136	4	30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		36.2	36.4		ng/L		101	76 - 136	5	30
6:2 FTS	ND		34.4	37.1		ng/L		108	59 - 175	13	30
8:2 FTS	ND		34.7	37.1		ng/L		107	75 - 135	1	30

Isotope Dilution	MSD %Recovery	MSD Qualifier	Limits
13C4 PFBA	82		25 - 150
13C5 PFPeA	86		25 - 150
13C2 PFHxA	93		25 - 150
13C4 PFHpA	93		25 - 150
13C4 PFOA	97		25 - 150
13C5 PFNA	98		25 - 150
13C2 PFDA	99		25 - 150
13C2 PFUnA	101		25 - 150
13C2 PFDoA	104		25 - 150
13C2 PFTeDA	95		25 - 150
13C3 PFBS	93		25 - 150
18O2 PFHxS	95		25 - 150
13C4 PFOS	90		25 - 150
13C8 FOSA	82		25 - 150
d3-NMeFOSAA	107		25 - 150
d5-NEtFOSAA	114		25 - 150
M2-6:2 FTS	109		25 - 150
M2-8:2 FTS	108		25 - 150

QC Association Summary

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

Job ID: 320-60723-1

LCMS

Prep Batch: 377781

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-60723-16	BH20200506-2SOUTH-25	Total/NA	Water	3535	
320-60723-17	BH20200506-2SOUTH-50	Total/NA	Water	3535	
320-60723-18	BH20200506-2SOUTH-75	Total/NA	Water	3535	
320-60723-19	BH20200506-2POST	Total/NA	Water	3535	
320-60723-20	BH20200506-3NORTH-25	Total/NA	Water	3535	
320-60723-21	BH20200506-3NORTH-50	Total/NA	Water	3535	
320-60723-22	BH20200506-3NORTH-75	Total/NA	Water	3535	
320-60723-23	BH20200506-3MID-POINT	Total/NA	Water	3535	
320-60723-24	BH20200506-3SOUTH-25	Total/NA	Water	3535	
320-60723-25	BH20200506-3SOUTH-50	Total/NA	Water	3535	
320-60723-26	BH20200506-3SOUTH-75	Total/NA	Water	3535	
320-60723-27	BH20200506-3POST	Total/NA	Water	3535	
320-60723-28	BH20200506-1RAW	Total/NA	Water	3535	
320-60723-29	BH20200506-3RAW	Total/NA	Water	3535	
MB 320-377781/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-377781/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-377781/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 377794

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-60723-1	BH20200506POST-GAC	Total/NA	Water	3535	
320-60723-2	BH20200506POST-GAC DUP	Total/NA	Water	3535	
320-60723-3	BH20200506PRE-GAC	Total/NA	Water	3535	
320-60723-4	BH20200506-1NORTH-25	Total/NA	Water	3535	
320-60723-5	BH20200506-1NORTH-50	Total/NA	Water	3535	
320-60723-6	BH20200506-1NORTH-75	Total/NA	Water	3535	
320-60723-7	BH20200506-1MID-POINT	Total/NA	Water	3535	
320-60723-8	BH20200506-1SOUTH-25	Total/NA	Water	3535	
320-60723-9	BH20200506-1SOUTH-50	Total/NA	Water	3535	
320-60723-10	BH20200506-1SOUTH-75	Total/NA	Water	3535	
320-60723-11	BH20200506-1POST	Total/NA	Water	3535	
320-60723-12	BH20200506-2NORTH-25	Total/NA	Water	3535	
320-60723-13	BH20200506-2NORTH-50	Total/NA	Water	3535	
320-60723-14	BH20200506-2NORTH-75	Total/NA	Water	3535	
320-60723-15	BH20200506-2MID-POINT	Total/NA	Water	3535	
MB 320-377794/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-377794/2-A	Lab Control Sample	Total/NA	Water	3535	
320-60723-1 MS	BH20200506POST-GAC	Total/NA	Water	3535	
320-60723-1 MSD	BH20200506POST-GAC	Total/NA	Water	3535	

Analysis Batch: 377796

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-60723-16	BH20200506-2SOUTH-25	Total/NA	Water	537 (modified)	377781
320-60723-17	BH20200506-2SOUTH-50	Total/NA	Water	537 (modified)	377781
320-60723-18	BH20200506-2SOUTH-75	Total/NA	Water	537 (modified)	377781
320-60723-19	BH20200506-2POST	Total/NA	Water	537 (modified)	377781
320-60723-20	BH20200506-3NORTH-25	Total/NA	Water	537 (modified)	377781
320-60723-21	BH20200506-3NORTH-50	Total/NA	Water	537 (modified)	377781
320-60723-22	BH20200506-3NORTH-75	Total/NA	Water	537 (modified)	377781
320-60723-23	BH20200506-3MID-POINT	Total/NA	Water	537 (modified)	377781
320-60723-24	BH20200506-3SOUTH-25	Total/NA	Water	537 (modified)	377781

Eurofins TestAmerica, Sacramento

QC Association Summary

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

Job ID: 320-60723-1

LCMS (Continued)

Analysis Batch: 377796 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-60723-25	BH20200506-3SOUTH-50	Total/NA	Water	537 (modified)	377781
320-60723-26	BH20200506-3SOUTH-75	Total/NA	Water	537 (modified)	377781
320-60723-27	BH20200506-3POST	Total/NA	Water	537 (modified)	377781
320-60723-28	BH20200506-1RAW	Total/NA	Water	537 (modified)	377781
320-60723-29	BH20200506-3RAW	Total/NA	Water	537 (modified)	377781
MB 320-377781/1-A	Method Blank	Total/NA	Water	537 (modified)	377781
LCS 320-377781/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	377781
LCSD 320-377781/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	377781

Analysis Batch: 377971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-60723-1	BH20200506POST-GAC	Total/NA	Water	537 (modified)	377794
320-60723-2	BH20200506POST-GAC DUP	Total/NA	Water	537 (modified)	377794
320-60723-3	BH20200506PRE-GAC	Total/NA	Water	537 (modified)	377794
320-60723-4	BH20200506-1NORTH-25	Total/NA	Water	537 (modified)	377794
320-60723-5	BH20200506-1NORTH-50	Total/NA	Water	537 (modified)	377794
320-60723-6	BH20200506-1NORTH-75	Total/NA	Water	537 (modified)	377794
320-60723-7	BH20200506-1MID-POINT	Total/NA	Water	537 (modified)	377794
320-60723-8	BH20200506-1SOUTH-25	Total/NA	Water	537 (modified)	377794
320-60723-9	BH20200506-1SOUTH-50	Total/NA	Water	537 (modified)	377794
320-60723-10	BH20200506-1SOUTH-75	Total/NA	Water	537 (modified)	377794
320-60723-11	BH20200506-1POST	Total/NA	Water	537 (modified)	377794
320-60723-12	BH20200506-2NORTH-25	Total/NA	Water	537 (modified)	377794
320-60723-13	BH20200506-2NORTH-50	Total/NA	Water	537 (modified)	377794
320-60723-14	BH20200506-2NORTH-75	Total/NA	Water	537 (modified)	377794
320-60723-15	BH20200506-2MID-POINT	Total/NA	Water	537 (modified)	377794
MB 320-377794/1-A	Method Blank	Total/NA	Water	537 (modified)	377794
LCS 320-377794/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	377794
320-60723-1 MS	BH20200506POST-GAC	Total/NA	Water	537 (modified)	377794
320-60723-1 MSD	BH20200506POST-GAC	Total/NA	Water	537 (modified)	377794

Lab Chronicle

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

Job ID: 320-60723-1

Client Sample ID: BH20200506POST-GAC

Lab Sample ID: 320-60723-1

Date Collected: 05/06/20 08:50

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275.9 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 02:15	AEC	TAL SAC

Client Sample ID: BH20200506POST-GAC DUP

Lab Sample ID: 320-60723-2

Date Collected: 05/06/20 08:51

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			273.5 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 02:43	AEC	TAL SAC

Client Sample ID: BH20200506PRE-GAC

Lab Sample ID: 320-60723-3

Date Collected: 05/06/20 08:57

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			276.6 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 02:52	AEC	TAL SAC

Client Sample ID: BH20200506-1NORTH-25

Lab Sample ID: 320-60723-4

Date Collected: 05/06/20 09:06

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			274 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 03:02	AEC	TAL SAC

Client Sample ID: BH20200506-1NORTH-50

Lab Sample ID: 320-60723-5

Date Collected: 05/06/20 09:10

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			276.7 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 03:11	AEC	TAL SAC

Client Sample ID: BH20200506-1NORTH-75

Lab Sample ID: 320-60723-6

Date Collected: 05/06/20 09:11

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			282.2 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 03:20	AEC	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-1MID-POINT

Lab Sample ID: 320-60723-7

Date Collected: 05/06/20 09:13

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			277.2 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 03:48	AEC	TAL SAC

Client Sample ID: BH20200506-1SOUTH-25

Lab Sample ID: 320-60723-8

Date Collected: 05/06/20 09:18

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			278.6 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 03:58	AEC	TAL SAC

Client Sample ID: BH20200506-1SOUTH-50

Lab Sample ID: 320-60723-9

Date Collected: 05/06/20 09:20

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			279.9 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 04:07	AEC	TAL SAC

Client Sample ID: BH20200506-1SOUTH-75

Lab Sample ID: 320-60723-10

Date Collected: 05/06/20 09:21

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			277.2 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 04:16	AEC	TAL SAC

Client Sample ID: BH20200506-1POST

Lab Sample ID: 320-60723-11

Date Collected: 05/06/20 09:23

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			281.4 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 04:26	AEC	TAL SAC

Client Sample ID: BH20200506-2NORTH-25

Lab Sample ID: 320-60723-12

Date Collected: 05/06/20 09:41

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			288.8 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 04:35	AEC	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-2NORTH-50

Lab Sample ID: 320-60723-13

Date Collected: 05/06/20 09:43

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			277.1 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 04:44	AEC	TAL SAC

Client Sample ID: BH20200506-2NORTH-75

Lab Sample ID: 320-60723-14

Date Collected: 05/06/20 09:44

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			279.4 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 04:54	AEC	TAL SAC

Client Sample ID: BH20200506-2MID-POINT

Lab Sample ID: 320-60723-15

Date Collected: 05/06/20 09:46

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			281.1 mL	10.0 mL	377794	05/11/20 04:22	MTN	TAL SAC
Total/NA	Analysis	537 (modified)		1			377971	05/12/20 05:03	AEC	TAL SAC

Client Sample ID: BH20200506-2SOUTH-25

Lab Sample ID: 320-60723-16

Date Collected: 05/06/20 09:50

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			276.8 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 05:13	AEC	TAL SAC

Client Sample ID: BH20200506-2SOUTH-50

Lab Sample ID: 320-60723-17

Date Collected: 05/06/20 09:52

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			279.2 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 05:22	AEC	TAL SAC

Client Sample ID: BH20200506-2SOUTH-75

Lab Sample ID: 320-60723-18

Date Collected: 05/06/20 09:53

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			282.4 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 05:32	AEC	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-2POST

Lab Sample ID: 320-60723-19

Date Collected: 05/06/20 09:56

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275.5 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 05:41	AEC	TAL SAC

Client Sample ID: BH20200506-3NORTH-25

Lab Sample ID: 320-60723-20

Date Collected: 05/06/20 10:05

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			288.2 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 05:50	AEC	TAL SAC

Client Sample ID: BH20200506-3NORTH-50

Lab Sample ID: 320-60723-21

Date Collected: 05/06/20 10:06

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			286.8 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 06:00	AEC	TAL SAC

Client Sample ID: BH20200506-3NORTH-75

Lab Sample ID: 320-60723-22

Date Collected: 05/06/20 10:08

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			281.2 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 06:09	AEC	TAL SAC

Client Sample ID: BH20200506-3MID-POINT

Lab Sample ID: 320-60723-23

Date Collected: 05/06/20 10:10

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			281.3 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 06:28	AEC	TAL SAC

Client Sample ID: BH20200506-3SOUTH-25

Lab Sample ID: 320-60723-24

Date Collected: 05/06/20 10:13

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			285.9 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 06:37	AEC	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

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

Job ID: 320-60723-1

Client Sample ID: BH20200506-3SOUTH-50

Lab Sample ID: 320-60723-25

Date Collected: 05/06/20 10:15

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			293.1 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 06:46	AEC	TAL SAC

Client Sample ID: BH20200506-3SOUTH-75

Lab Sample ID: 320-60723-26

Date Collected: 05/06/20 10:17

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			286.2 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 06:56	AEC	TAL SAC

Client Sample ID: BH20200506-3POST

Lab Sample ID: 320-60723-27

Date Collected: 05/06/20 10:19

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275.2 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 07:05	AEC	TAL SAC

Client Sample ID: BH20200506-1RAW

Lab Sample ID: 320-60723-28

Date Collected: 05/06/20 10:55

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			283 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 07:14	AEC	TAL SAC

Client Sample ID: BH20200506-3RAW

Lab Sample ID: 320-60723-29

Date Collected: 05/06/20 10:34

Matrix: Water

Date Received: 05/08/20 10:00

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			269.9 mL	10.00 mL	377781	05/10/20 18:06	VP	TAL SAC
Total/NA	Analysis	537 (modified)		1			377796	05/11/20 07:24	AEC	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: 320-60723-1

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)

Laboratory: Eurofins TestAmerica, Buffalo

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

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	04-02-21

Method Summary

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

Job ID: 320-60723-1

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

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

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

Sample Summary

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

Job ID: 320-60723-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-60723-1	BH20200506POST-GAC	Water	05/06/20 08:50	05/08/20 10:00	
320-60723-2	BH20200506POST-GAC DUP	Water	05/06/20 08:51	05/08/20 10:00	
320-60723-3	BH20200506PRE-GAC	Water	05/06/20 08:57	05/08/20 10:00	
320-60723-4	BH20200506-1NORTH-25	Water	05/06/20 09:06	05/08/20 10:00	
320-60723-5	BH20200506-1NORTH-50	Water	05/06/20 09:10	05/08/20 10:00	
320-60723-6	BH20200506-1NORTH-75	Water	05/06/20 09:11	05/08/20 10:00	
320-60723-7	BH20200506-1MID-POINT	Water	05/06/20 09:13	05/08/20 10:00	
320-60723-8	BH20200506-1SOUTH-25	Water	05/06/20 09:18	05/08/20 10:00	
320-60723-9	BH20200506-1SOUTH-50	Water	05/06/20 09:20	05/08/20 10:00	
320-60723-10	BH20200506-1SOUTH-75	Water	05/06/20 09:21	05/08/20 10:00	
320-60723-11	BH20200506-1POST	Water	05/06/20 09:23	05/08/20 10:00	
320-60723-12	BH20200506-2NORTH-25	Water	05/06/20 09:41	05/08/20 10:00	
320-60723-13	BH20200506-2NORTH-50	Water	05/06/20 09:43	05/08/20 10:00	
320-60723-14	BH20200506-2NORTH-75	Water	05/06/20 09:44	05/08/20 10:00	
320-60723-15	BH20200506-2MID-POINT	Water	05/06/20 09:46	05/08/20 10:00	
320-60723-16	BH20200506-2SOUTH-25	Water	05/06/20 09:50	05/08/20 10:00	
320-60723-17	BH20200506-2SOUTH-50	Water	05/06/20 09:52	05/08/20 10:00	
320-60723-18	BH20200506-2SOUTH-75	Water	05/06/20 09:53	05/08/20 10:00	
320-60723-19	BH20200506-2POST	Water	05/06/20 09:56	05/08/20 10:00	
320-60723-20	BH20200506-3NORTH-25	Water	05/06/20 10:05	05/08/20 10:00	
320-60723-21	BH20200506-3NORTH-50	Water	05/06/20 10:06	05/08/20 10:00	
320-60723-22	BH20200506-3NORTH-75	Water	05/06/20 10:08	05/08/20 10:00	
320-60723-23	BH20200506-3MID-POINT	Water	05/06/20 10:10	05/08/20 10:00	
320-60723-24	BH20200506-3SOUTH-25	Water	05/06/20 10:13	05/08/20 10:00	
320-60723-25	BH20200506-3SOUTH-50	Water	05/06/20 10:15	05/08/20 10:00	
320-60723-26	BH20200506-3SOUTH-75	Water	05/06/20 10:17	05/08/20 10:00	
320-60723-27	BH20200506-3POST	Water	05/06/20 10:19	05/08/20 10:00	
320-60723-28	BH20200506-1RAW	Water	05/06/20 10:55	05/08/20 10:00	
320-60723-29	BH20200506-3RAW	Water	05/06/20 10:34	05/08/20 10:00	

Albany Chain of Custody Record

#224

Ben Powers

Client Information		Lab PM: Stone, Judy L		Carrier Tracking No(s):		COC No: 480-145615-32107.1				
Client Contact: Jeffrey Redfield		E-Mail: judy.stone@testamericainc.com				Page Page 1 of 3				
Company: ARCADIS U.S. Inc				Analysis Requested		Job #:				
Address: 855 Route 146 Suite 210		Due Date Requested:		 320-60723 Chain of Custody		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 Decahydrate I - Ice U - Acetone J - DI Water V - MCAA K - EDTA W - pH 4-5 L - EDA Z - other (specify)				
City: Clifton Park		TAT Requested (days): Standard								
State, Zip: NY, 12065		PO #: Callout ID: 137349								
Phone: 518-402-9813(Tel)		WO #:								
Email: jeffrey.redfield@arcadis.com		Project #: 48020960								
Project Name: Stewart ANGB - Butterhill #336089		SSOW#:								
Site:										
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)	Total Number of containers	Special Instructions/Note:
BH20200506POST-GAC		5/6/20	0850	G	Water	Y	N	2	2	
BH20200506POST-GAC DUP		5/6/20	0851	G	Water	Y	N	2	2	
BH20200506POST-GAC MS		5/6/20	0853	G	Water	Y	N	2	2	
BH20200506POST-GAC MSD		5/6/20	0854	G	Water	Y	N	2	2	
BH20200506PRE-GAC		5/6/20	0857	G	Water	Y	N	2	2	
BH20200506-1 North-25		5/6/20	0906	G	Water	Y	N	2	2	
BH20200506-1 North-50		5/6/20	0910	G	Water	Y	N	2	2	
BH20200506-1 North-75		5/6/20	0911	G	Water	Y	N	2	2	
BH20200506-1 Mid-Point		5/6/20	0913	G	Water	Y	N	2	2	
BH20200506-1 South-25		5/6/20	0918	G	Water	Y	N	2	2	
BH20200506-1 South-50		5/6/20	0920	G	Water	Y	N	2	2	
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: Ben Powers		Date/Time: 5/6/2020 1622		Company: Arcadis		Received by: Tim Kneller		Date/Time: 5-6-2020 1622		Company: Eurofins
Relinquished by: Tim Kneller		Date/Time: 5-7-2020 1700		Company: Eurofins		Received by: Ben Powers		Date/Time: 5/8/20 1000		Company: Eurofins
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.: 1214331, 1214330, 1214329		Cooler Temperature(s) °C and Other Remarks: 0.2°C, 0.6°C, 0.7°C						

Phone: 916-373-5600 Fax: 916-372-1059

to Albany

Chain of Custody Record

 eurofins

Environment Testing
TestAmerica

#224

Client Information Client Contact: Jeffrey Redfield Company: ARCADIS U.S. Inc. Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: 518-402-9813(Tel) Email: jeffrey.redfield@arcadis.com Project Name: Stewart ANGB - Butterhill #336089 Site:		Sampler: Ben Powers Phone:		Lab PM: Stone, Judy L. E-Mail: judy.stone@testamericainc.com		Carrier Tracking No(s):		COC No: 480-145615-32107.2 Page: Page 2 of 3											
		Due Date Requested:		TAT Requested (days): Standard		PO #: Callout ID: 137349 WO #:		Project #: 48020960 SSOW#:											
Analysis Requested		Field Filtered Sample (Yes or No) Perform MS/MSD (Yes or No) PFC_IDA - PFAS, Standard List (21 analytes)		Total Number of containers		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:											
						Special Instructions/Note:													
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)		Total Number of containers		Special Instructions/Note:	
BH20200506-3 North-50		5/6/20		1006		G		Water		NN		2		2		2		2	
BH20200506-3 North-75		5/6/20		1008		G		Water		NN		2		2		2		2	
BH20200506-3 MID-POINT		5/6/20		1010		G		Water		NN		2		2		2		2	
BH20200506-3 SOUTH-25		5/6/20		1013		G		Water		NN		2		2		2		2	
BH20200506-3 SOUTH-50		5/6/20		1015		G		Water		NN		2		2		2		2	
BH20200506-3 SOUTH-75		5/6/20		1017		G		Water		NN		2		2		2		2	
BH20200506-3 POST		5/6/20		1019		G		Water		NN		2		2		2		2	
BH20200506-1 RAW		5/6/20		1055		G		Water		NN		2		2		2		2	
BH20200506-2 RAW		5/6/20		1034		G		Water		NN		2		2		2		2	
BH20200506-3 RAW		5/6/20		1034		G		Water		NN		2		2		2		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: <i>Ben Powers</i>		Date/Time: 5/6/2020 1622		Company: Arcadis		Received by: <i>Tim Kuhn</i>		Date/Time: 5-6-2020 1622		Company: EUBENST									
Relinquished by: <i>Tim Kuhn</i>		Date/Time: 5-7-2020 1700		Company: EUBENST		Received by: <i>Ben Powers</i>		Date/Time: 5/8/20 1600		Company: EUBENST									
Relinquished by:		Date/Time:		Company:		Received by:		Date/Time:		Company:									
Custody Seals Intact: ☒ Yes ☐ No		Custody Seal No.: 1214331, 1214330, 1214329		Cooler Temperature(s) °C and Other Remarks:		0.0, 0.1, 0.4 °C													

* Container Label ID BH20200506-3-South-50
- Container Label ID BH20200506-3-POST

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 320-60723-1

Login Number: 60723

List Number: 1

Creator: Her, David A

List Source: Eurofins TestAmerica, Sacramento

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	1214331, 1214330, 1214329
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.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	



Environment Testing
TestAmerica

Sacramento
Sample Receiving Notes

Please Fold Sheet Labels Here

Tracking #: 1496 4945 7319

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other _____

Job: _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 1R151em Corr. Factor: (+/-) 0 °C

Ice ☒ Wet ☒ Gel _____ Other _____

Cooler Custody Seal: 1214330

Cooler ID: 2 of 3

Temp Observed: 0.6 °C Corrected: 0.6 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment **Yes No NA**

Cooler compromised/tampered with? ☐ ☒ ☐

Cooler Temperature is acceptable? ☒ ☐ ☐

Samples received within holding time? ☒ ☐ ☐

Initials: SP Date: 5/8/12

Unpacking/Labeling The Samples **Yes No NA**

CoC is complete w/o discrepancies? ☐ ☐ ☐

Samples compromised/tampered with? ☐ ☐ ☐

Sample containers have legible labels? ☐ ☐ ☐

Sample custody seal? ☐ ☐ ☐

Containers are not broken or leaking? ☐ ☐ ☐

Sample date/times are provided? ☐ ☐ ☐

Appropriate containers are used? ☐ ☐ ☐

Sample bottles are completely filled? ☐ ☐ ☐

Sample preservatives verified? ☐ ☐ ☐

Samples w/o discrepancies? ☐ ☐ ☐

Zero headspace? ☐ ☐ ☐

Alkalinity has no headspace? ☐ ☐ ☐

Perchlorate has headspace? ☐ ☐ ☐

(Methods 314, 331, 6850)

Multiphasic samples are not present? ☐ ☐ ☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: SL Date: 5/8/12

Notes: _____

Login Completion **Yes No NA**

Receipt Temperature on COC? ☒ ☐ ☐

NCM Filed? ☒ ☐ ☐

Log Release checked in TALS? ☒ ☐ ☐

Initials: SL Date: 5/8/12



Environment Testing
TestAmerica

Sacramento
Sample Receiving Notes

Place Field Sheet Label Here

Tracking #: 1496 4445 7320

SO / PO / FO / SAT / 2-Day / Ground / UPS / CDO / Courier
GSO / OnTrac / Goldstreak / USPS / Other

Job: _____

Use this form to record Sample Custody Seal, Cooler Custody Seal, Temperature & corrected Temperature & other observations.
File in the job folder with the COC.

Therm. ID: 10151818 Corr. Factor: (+/-) 0 °C

Ice ☒ Wet ☒ Gel _____ Other _____

Cooler Custody Seal: 1214329

Cooler ID: 30F3

Temp Observed: 0.4 °C Corrected: 0.4 °C

From: Temp Blank ☒ Sample ☐

Opening/Processing The Shipment Yes No NA

Cooler compromised/tampered with? ☐ ☒ ☐

Cooler Temperature is acceptable? ☒ ☐ ☐

Samples received within holding time? ☒ ☐ ☐

Initials: SO Date: 5/18/20

Unpacking/Labeling The Samples Yes No NA

CoC is complete w/o discrepancies? ☒ ☐ ☐

Samples compromised/tampered with? ☐ ☒ ☐

Sample containers have legible labels? ☒ ☐ ☐

Sample custody seal? ☐ ☒ ☐

Containers are not broken or leaking? ☒ ☐ ☐

Sample date/times are provided? ☒ ☐ ☐

Appropriate containers are used? ☒ ☐ ☐

Sample bottles are completely filled? ☒ ☐ ☐

Sample preservatives verified? ☐ ☐ ☒

Samples w/o discrepancies? ☐ ☒ ☐

Zero headspace? ☐ ☐ ☒

Alkalinity has no headspace? ☐ ☐ ☒

Perchlorate has headspace? ☐ ☐ ☒

(Methods 314, 331, 6850)

Multiphasic samples are not present? ☒ ☐ ☐

*Containers requiring zero headspace have no headspace, or bubble < 6 mm (1/4")

Initials: JU Date: 5/18/20

Notes: _____

Login Completion Yes No NA

Receipt Temperature on COC? ☒ ☐ ☐

NCM Filed? ☒ ☐ ☐

Log Release checked in TALS? ☒ ☐ ☐

Initials: JU Date: 5/18/20

ORIGIN ID: SCHA (518) 438-8140
TIM KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE

ALBANY, NY 12205
UNITED STATES US

SHIP DATE: 07MAY20
ACTWGT: 80.95 LB
CAD: 0439821/CAFE3211
DIMS: 26x15x14 IN

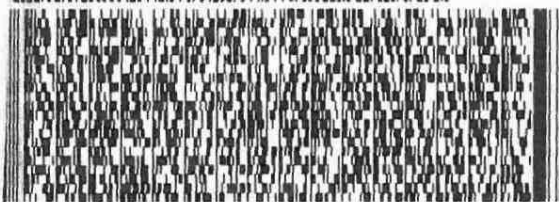
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
TESTAMERICA - W. SACRAMENTO
880 RIVERSIDE PKWY

WEST SACRAMENTO CA 95605

916) 373-5600

REF: NY PFAS



FedEx
Express



Custody Seal

DATE **5/7/20** *Ma*

SIGNATURE

eurofins

1 of 3
TRK# **1496 4445 7308**
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FRI - 08 MAY 10:30
PRIORITY OVERNIGHT

9560
CA-US SM

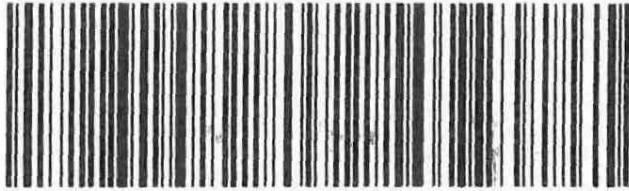
1214331

eurofins

Environment Testing
TestAmerica

Environment Testing
TestAmerica

1214331



ORIGIN ID: SCHA (518) 438-8140
TIM KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE

ALBANY, NY 12205
UNITED STATES US

SHIP DATE: 07MAY20
ACTWGT: 67.50 LB
CAD: 0439821/CAFE3211
DIMS: 26x15x14 IN

BILL THIRD PARTY

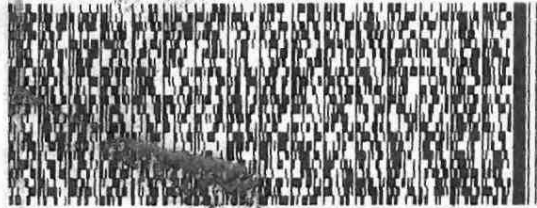
TO **SAMPLE RECEIVING**
TESTAMERICA - W. SACRAMENTO
380 RIVERSIDE PKWY

WEST SACRAMENTO CA 95605

16) 373-5600

EF: NY PFAS

1214330



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Environment Testing
TestAmerica

1214330

2 of 3

S# 1496 4445 7319

str# 1496 4445 7308

0201

FRI - 08 MAY 10:30
PRIORITY OVERNIGHT

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9560

CA-US SN



SIGNATURE

5/7/20 9/20/20

Custody Seal

Environment Testing
TestAmerica
eurofins

Environment Testing
TestAmerica
eurofins

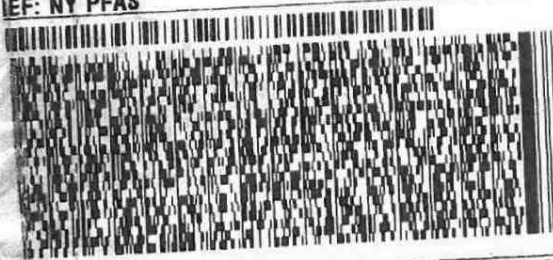
ORIGIN ID: SCHA (518) 438-8140
TIM KNOLLMEYER
TESTAMERICA LAB INC
25 KRAFT AVE

ALBANY, NY 12205
UNITED STATES US

SHIP DATE: 07MAY20
ACTWGT: 65.75 LB
CAD: 0439821/CAFE3211
DIMS: 26x15x14 IN
BILL THIRD PARTY

SAMPLE RECEIVING
TESTAMERICA - W. SACRAMENTO
880 RIVERSIDE PKWY

WEST SACRAMENTO CA 95605
16) 373 - 5600
EF: NY PFAS



FedEx
Express



3 of 3

1496 4445 7320
tr# 1496 4445 7308

0201

FRI - 08 MAY 10:30
PRIORITY OVERNIGHT

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CA-US SM



Environment Testing
TestAmerica

eurofins

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Part # 156148-434 R

JPO1/Schaefer

Custody Seal

DATE 5/7/20 *Ra*

SIGNATURE

eurofins

Environment Testing
TestAmerica

1214329

1214329