

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation

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www.dec.ny.gov

April 8, 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 **April 1, 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 six and twenty-one per- and polyfluoroalkyl substances (PFAS), including Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS). Data received for the 21 PFAS list analysis has been attached. Please note that, starting in April 2020, sampling and analysis for the 6 PFAS list has been discontinued due to redundancy in the data generated.

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 "BH20200401PRE-GAC" identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 1), which has a "BH20200401-1North-25" identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 1), which has a "BH20200401-1North-50" identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 1), which has a "BH20200401-1North-75" identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 2), which has a "BH20200401-2North-25" identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 2), which has a "BH20200401-2North-50" identifier in the Client Sample ID;



Department of
Environmental
Conservation

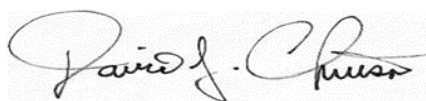


- 75 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20200401-2North-75” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20200401-3North-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20200401-3North-50” identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20200401-3North-75” identifier in the Client Sample ID;
- Butterhill Well No.1 raw untreated water; which has a “BH20200401-1RAW” identifier in the Client Sample ID;
- Butterhill Well No.2 raw untreated water; which has a “BH20200401-2RAW” identifier in the Client Sample ID;
- Butterhill Well No.3 raw untreated water; which has a “BH20200401-3RAW” identifier in the Client Sample ID;
- Post-treatment (treated water after all GAC trains), which has a “BH20200401POST-GAC” identifier in the Client Sample ID.
- 25 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20200401-1S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20200401-1S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20200401-1S-75” identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20200401-2S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20200401-2S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20200401-2S-75” identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20200401-3S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20200401-3S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20200401-3S-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 “BH2020401-1MID-POINT” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 1), which has a “BH2020401-1 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 “BH2020401-2MID-POINT” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 2), which has a “BH2020401-2 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 “BH2020401-3MID-POINT” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 3), which has a “BH2020401-3 POST” identifier in the Client Sample ID;

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

If you have any technical questions regarding the analytical results or on the operation and performance of the GAC treatment system, please feel free to contact me or 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,



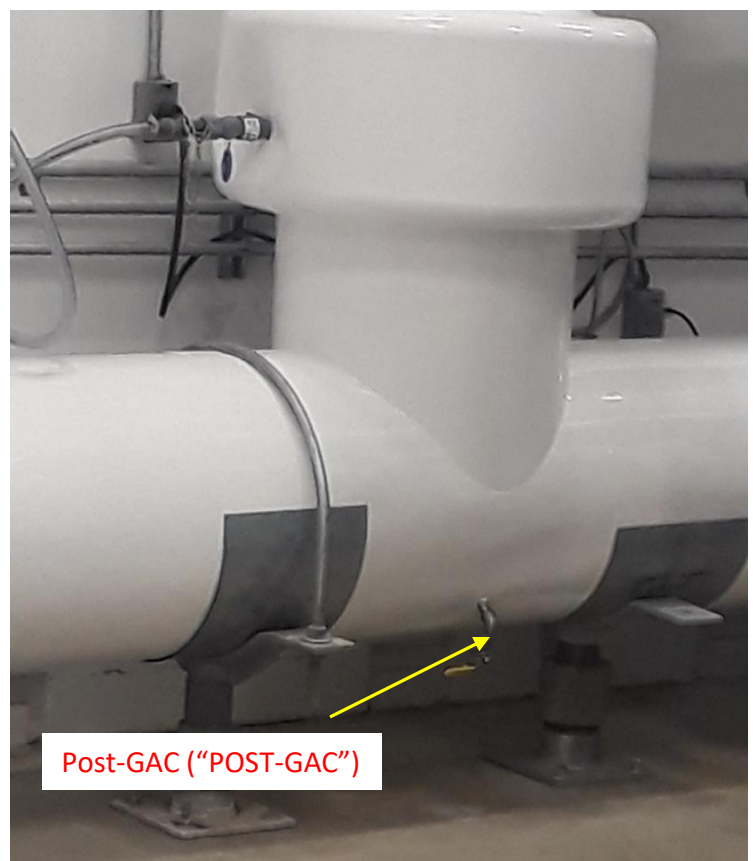
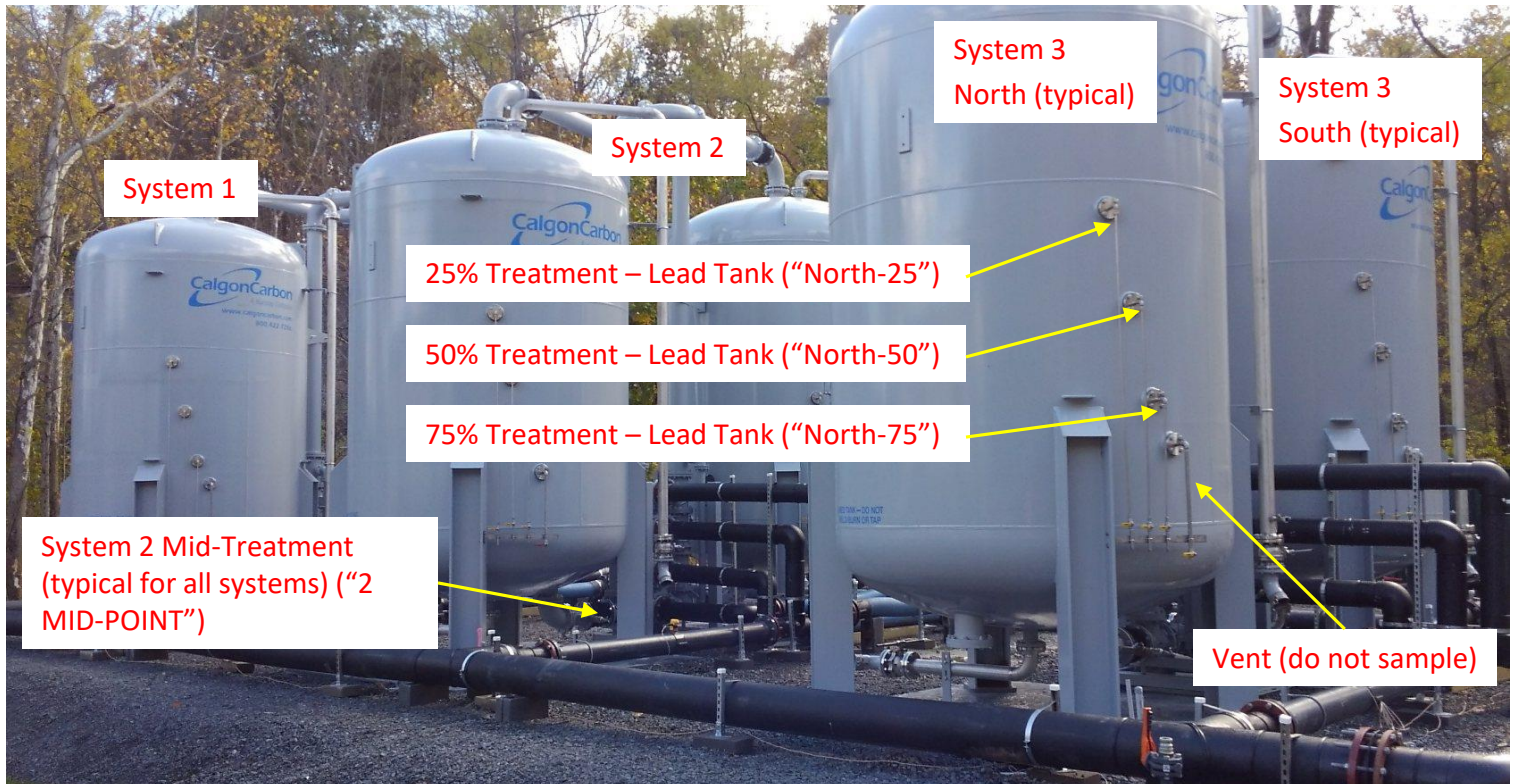
David J. Chiusano
Environmental Engineer/Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

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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

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 (Well1**)	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. 1 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.

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: 320-59946-1

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:

4/7/2020 3:48:56 PM

Alexander Gilbert, Project Management Assistant I
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Designee for

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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: 320-59946-1

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)
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: 320-59946-1

Job ID: 320-59946-1

Laboratory: Eurofins TestAmerica, Sacramento

Narrative

Job Narrative 320-59946-1

Comments

No additional comments.

Receipt

The samples were received on 4/2/2020 9:20 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 2 coolers at receipt time were 0.7° C and 1.1° C.

Receipt Exceptions

COC lists to run MS/MSD on sample#2, but no volume was submitted to run MS/MSD: BH20200401POST-GACDUP (320-59946-2)

LCMS

Method 537 (modified): The "I" qualifier means the transition mass ratio for the indicated analyte was outside of the established ratio limits. The qualitative identification of the analyte has some degree of uncertainty. However, analyst judgment was used to positively identify the analyte. (ICB 320-367160/10)

Method 537 (modified): Isotope Dilution Analyte (IDA) recovery is above the method recommended limit for M2-6:2 FTS and M2-8:2 FTS for the following sample: BH20200401-2MID-POINT (320-59946-15). 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 M2-8:2 FTS for the following sample: BH20200401PRE-GAC (320-59946-3). 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 M2-8:2 FTS of the following samples: BH20200401-3North-75 (320-59946-22), BH20200401-2RAW (320-59946-29) and BH20200401-3RAW (320-59946-30). 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(s) was outside of the established ratio limits. The qualitative identification of the analyte(s) has/have some degree of uncertainty. However, analyst judgement was used to positively identify the analyte(s): BH20200401-2RAW (320-59946-29)

Method 537 (modified): Results for samples BH20200401-2MID-POINT (320-59946-15) were reported from the analysis of a diluted extract due to high concentration and matrix interference of the target analyte in the analysis of the undiluted extract. The dilution factor was applied to the labeled internal standard area counts and these area counts were within acceptance limits

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 320-369851.

Method 3535: The following samples were observed to have Trizma: BH20200401POST-GAC (320-59946-1), BH20200401POST-GACDUP (320-59946-2), BH20200401PRE-GAC (320-59946-3), BH20200401-1North-25 (320-59946-4), BH20200401-1North-50 (320-59946-5), BH20200401-1North-75 (320-59946-6), BH20200401-1MID-POINT (320-59946-7), BH20200401-1South-25 (320-59946-8), BH20200401-1South-50 (320-59946-9), BH20200401-1South-75 (320-59946-10), BH20200401-1POST (320-59946-11), BH20200401-2North-25 (320-59946-12), BH20200401-2North-50 (320-59946-13), BH20200401-2North-75 (320-59946-14), BH20200401-2MID-POINT (320-59946-15), BH20200401-2South-25 (320-59946-16), BH20200401-2South-50 (320-59946-17), BH20200401-2South-75 (320-59946-18), BH20200401-2POST (320-59946-19) and BH20200401-3North-25 (320-59946-20). As a result the QC's have Trizma as well:
Trizma lot: SLBZ6597

Method 3535: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate (MS/MSD) associated with

Case Narrative

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

Job ID: 320-59946-1

Job ID: 320-59946-1 (Continued)

Laboratory: Eurofins TestAmerica, Sacramento (Continued)

preparation batch 320-369852. Therefore, LCSD was created.

Method 3535: The following samples were observed to have Trizma: BH20200401-3North-50 (320-59946-21), BH20200401-3North-75 (320-59946-22), BH20200401-3MID-POINT (320-59946-23), BH20200401-3South-25 (320-59946-24), BH20200401-3South-50 (320-59946-25), BH20200401-3South-75 (320-59946-26), BH20200401-3POST (320-59946-27), BH20200401-1RAW (320-59946-28), BH20200401-2RAW (320-59946-29) and BH20200401-3RAW (320-59946-30). As a result, the QCs have Trizma. Trizma lot # SLBZ6597. Chlorine and pH level was also tested.

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

Detection Summary

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

Job ID: 320-59946-1

Client Sample ID: BH20200401POST-GAC

Lab Sample ID: 320-59946-1

No Detections.

Client Sample ID: BH20200401POST-GACDUP

Lab Sample ID: 320-59946-2

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

Client Sample ID: BH20200401PRE-GAC

Lab Sample ID: 320-59946-3

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)	3.4		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.0		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.8		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	2.3		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-1North-25

Lab Sample ID: 320-59946-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.5		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.6		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: BH20200401-1North-50

Lab Sample ID: 320-59946-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.7		1.9		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.5		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.9		1.9		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-1North-75

Lab Sample ID: 320-59946-6

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)	2.7		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-1MID-POINT

Lab Sample ID: 320-59946-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.0		1.9		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.2		1.9		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-1South-25

Lab Sample ID: 320-59946-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.4		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-1South-50

Lab Sample ID: 320-59946-9

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

Client Sample ID: BH20200401-1South-75

Lab Sample ID: 320-59946-10

No Detections.

This Detection Summary does not include radiochemical test results.

Eurofins TestAmerica, Sacramento

Detection Summary

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1POST

Lab Sample ID: 320-59946-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.0		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-2North-25

Lab Sample ID: 320-59946-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.5		1.9		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.5		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.8		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.1		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	1.9		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	1.9		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	2.0		1.9		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-2North-50

Lab Sample ID: 320-59946-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.5		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.3		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.4		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-2North-75

Lab Sample ID: 320-59946-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.3		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: BH20200401-2MID-POINT

Lab Sample ID: 320-59946-15

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
Perfluoropentanoic acid (PFPeA)	2.1		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-2South-25

Lab Sample ID: 320-59946-16

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

Client Sample ID: BH20200401-2South-50

Lab Sample ID: 320-59946-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.4		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-2South-75

Lab Sample ID: 320-59946-18

No Detections.

Client Sample ID: BH20200401-2POST

Lab Sample ID: 320-59946-19

No Detections.

Client Sample ID: BH20200401-3North-25

Lab Sample ID: 320-59946-20

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)	3.3		1.8		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	2.5		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: 320-59946-1

Client Sample ID: BH20200401-3North-50

Lab Sample ID: 320-59946-21

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.0		1.9		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	3.2		1.9		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	1.9		1.9		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-3North-75

Lab Sample ID: 320-59946-22

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.7		1.8		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	2.3		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-3MID-POINT

Lab Sample ID: 320-59946-23

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
Perfluoropentanoic acid (PFPeA)	1.8		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-3South-25

Lab Sample ID: 320-59946-24

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.4		1.9		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-3South-50

Lab Sample ID: 320-59946-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	3.2		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-3South-75

Lab Sample ID: 320-59946-26

No Detections.

Client Sample ID: BH20200401-3POST

Lab Sample ID: 320-59946-27

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.3		1.8		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-1RAW

Lab Sample ID: 320-59946-28

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)	3.2		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.1		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.0		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorobutanesulfonic acid (PFBS)	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)	3.4		1.7		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-2RAW

Lab Sample ID: 320-59946-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	4.1		1.7		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	5.8		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.8		1.7		ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	2.0		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	3.1		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.4		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: 320-59946-1

Client Sample ID: BH20200401-2RAW (Continued)

Lab Sample ID: 320-59946-29

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorooctanesulfonic acid (PFOS)	2.2	I	1.7		ng/L	1		537 (modified)	Total/NA

Client Sample ID: BH20200401-3RAW

Lab Sample ID: 320-59946-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Perfluorobutanoic acid (PFBA)	2.9		1.7		ng/L	1		537 (modified)	Total/NA
Perfluoropentanoic acid (PFPeA)	4.5		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorohexanoic acid (PFHxA)	3.0		1.7		ng/L	1		537 (modified)	Total/NA
Perfluoroheptanoic acid (PFHpA)	1.8		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorooctanoic acid (PFOA)	2.8		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorohexanesulfonic acid (PFHxS)	3.4		1.7		ng/L	1		537 (modified)	Total/NA
Perfluorooctanesulfonic acid (PFOS)	4.5		1.7		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: 320-59946-1

Client Sample ID: BH20200401POST-GAC

Lab Sample ID: 320-59946-1

Date Collected: 04/01/20 09:05

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/04/20 23:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/04/20 23:43	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/04/20 23:43	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/04/20 23:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C5 PFPeA	100		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C2 PFHxA	106		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C4 PFHpA	104		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C4 PFOA	104		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C5 PFNA	103		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C2 PFDA	108		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C2 PFUnA	114		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C2 PFDoA	108		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C2 PFTeDA	111		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C3 PFBS	100		25 - 150				04/03/20 11:14	04/04/20 23:43	1
18O2 PFHxS	101		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C4 PFOS	99		25 - 150				04/03/20 11:14	04/04/20 23:43	1
13C8 FOSA	103		25 - 150				04/03/20 11:14	04/04/20 23:43	1
d3-NMeFOSAA	100		25 - 150				04/03/20 11:14	04/04/20 23:43	1
d5-NEtFOSAA	105		25 - 150				04/03/20 11:14	04/04/20 23:43	1
M2-6:2 FTS	114		25 - 150				04/03/20 11:14	04/04/20 23:43	1
M2-8:2 FTS	131		25 - 150				04/03/20 11:14	04/04/20 23:43	1

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401POST-GACDUP

Lab Sample ID: 320-59946-2

Date Collected: 04/01/20 09:06

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	1.8		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/04/20 23:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/04/20 23:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/04/20 23:53	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/04/20 23:53	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/04/20 23:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C5 PFPeA	97		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C2 PFHxA	104		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C4 PFHpA	101		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C4 PFOA	100		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C5 PFNA	102		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C2 PFDA	100		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C2 PFUnA	113		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C2 PFDoA	100		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C2 PFTeA	111		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C3 PFBS	98		25 - 150	04/03/20 11:14	04/04/20 23:53	1
18O2 PFHxS	102		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C4 PFOS	101		25 - 150	04/03/20 11:14	04/04/20 23:53	1
13C8 FOSA	105		25 - 150	04/03/20 11:14	04/04/20 23:53	1
d3-NMeFOSAA	98		25 - 150	04/03/20 11:14	04/04/20 23:53	1
d5-NEtFOSAA	104		25 - 150	04/03/20 11:14	04/04/20 23:53	1
M2-6:2 FTS	118		25 - 150	04/03/20 11:14	04/04/20 23:53	1
M2-8:2 FTS	123		25 - 150	04/03/20 11:14	04/04/20 23:53	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401PRE-GAC

Lab Sample ID: 320-59946-3

Date Collected: 04/01/20 09:08

Matrix: Water

Date Received: 04/02/20 09:20

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		04/03/20 11:14	04/05/20 00:03	1
Perfluoropentanoic acid (PFPeA)	3.4		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorohexanoic acid (PFHxA)	3.0		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorooctanoic acid (PFOA)	2.8		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorobutanesulfonic acid (PFBS)	2.3		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorohexanesulfonic acid (PFHxS)	2.3		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorooctanesulfonic acid (PFOS)	3.0		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 00:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 00:03	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 00:03	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 00:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	111		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C5 PFPeA	101		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C2 PFHxA	112		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C4 PFHpA	112		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C4 PFOA	109		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C5 PFNA	112		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C2 PFDA	116		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C2 PFUnA	120		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C2 PFDoA	114		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C2 PFTeDA	121		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C3 PFBS	107		25 - 150	04/03/20 11:14	04/05/20 00:03	1
18O2 PFHxS	110		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C4 PFOS	111		25 - 150	04/03/20 11:14	04/05/20 00:03	1
13C8 FOSA	115		25 - 150	04/03/20 11:14	04/05/20 00:03	1
d3-NMeFOSAA	110		25 - 150	04/03/20 11:14	04/05/20 00:03	1
d5-NEtFOSAA	111		25 - 150	04/03/20 11:14	04/05/20 00:03	1
M2-6:2 FTS	120		25 - 150	04/03/20 11:14	04/05/20 00:03	1
M2-8:2 FTS	151	*5	25 - 150	04/03/20 11:14	04/05/20 00:03	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1North-25

Lab Sample ID: 320-59946-4

Date Collected: 04/01/20 09:25

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.5		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluoropentanoic acid (PFPeA)	3.6		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorohexanoic acid (PFHxA)	2.6		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 00:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 00:13	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 00:13	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 00:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C5 PFPeA	99		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C2 PFHxA	106		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C4 PFHpA	102		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C4 PFOA	100		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C5 PFNA	103		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C2 PFDA	104		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C2 PFUnA	115		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C2 PFDoA	109		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C2 PFTeDA	115		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C3 PFBS	106		25 - 150	04/03/20 11:14	04/05/20 00:13	1
18O2 PFHxS	99		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C4 PFOS	102		25 - 150	04/03/20 11:14	04/05/20 00:13	1
13C8 FOSA	108		25 - 150	04/03/20 11:14	04/05/20 00:13	1
d3-NMeFOSAA	102		25 - 150	04/03/20 11:14	04/05/20 00:13	1
d5-NEtFOSAA	102		25 - 150	04/03/20 11:14	04/05/20 00:13	1
M2-6:2 FTS	118		25 - 150	04/03/20 11:14	04/05/20 00:13	1
M2-8:2 FTS	148		25 - 150	04/03/20 11:14	04/05/20 00:13	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1North-50

Lab Sample ID: 320-59946-5

Date Collected: 04/01/20 09:27

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.7		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluoropentanoic acid (PFPeA)	3.5		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorohexanoic acid (PFHxA)	1.9		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19		ng/L		04/03/20 11:14	04/05/20 00:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19		ng/L		04/03/20 11:14	04/05/20 00:23	1
6:2 FTS	ND		19		ng/L		04/03/20 11:14	04/05/20 00:23	1
8:2 FTS	ND		19		ng/L		04/03/20 11:14	04/05/20 00:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	102		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C5 PFPeA	97		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C2 PFHxA	108		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C4 PFHpA	101		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C4 PFOA	99		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C5 PFNA	101		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C2 PFDA	104		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C2 PFUnA	108		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C2 PFDoA	97		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C2 PFTeDA	107		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C3 PFBS	100		25 - 150	04/03/20 11:14	04/05/20 00:23	1
18O2 PFHxS	99		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C4 PFOS	99		25 - 150	04/03/20 11:14	04/05/20 00:23	1
13C8 FOSA	101		25 - 150	04/03/20 11:14	04/05/20 00:23	1
d3-NMeFOSAA	99		25 - 150	04/03/20 11:14	04/05/20 00:23	1
d5-NEtFOSAA	99		25 - 150	04/03/20 11:14	04/05/20 00:23	1
M2-6:2 FTS	111		25 - 150	04/03/20 11:14	04/05/20 00:23	1
M2-8:2 FTS	136		25 - 150	04/03/20 11:14	04/05/20 00:23	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1North-75

Lab Sample ID: 320-59946-6

Date Collected: 04/01/20 09:28

Matrix: Water

Date Received: 04/02/20 09:20

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		04/03/20 11:14	04/05/20 00:33	1
Perfluoropentanoic acid (PFPeA)	2.7		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 00:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 00:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 00:33	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 00:33	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 00:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C5 PFPeA	98		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C2 PFHxA	107		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C4 PFHpA	103		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C4 PFOA	99		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C5 PFNA	99		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C2 PFDA	106		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C2 PFUnA	114		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C2 PFDoA	106		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C2 PFTeDA	116		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C3 PFBS	101		25 - 150	04/03/20 11:14	04/05/20 00:33	1
18O2 PFHxS	102		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C4 PFOS	102		25 - 150	04/03/20 11:14	04/05/20 00:33	1
13C8 FOSA	102		25 - 150	04/03/20 11:14	04/05/20 00:33	1
d3-NMeFOSAA	101		25 - 150	04/03/20 11:14	04/05/20 00:33	1
d5-NEtFOSAA	104		25 - 150	04/03/20 11:14	04/05/20 00:33	1
M2-6:2 FTS	113		25 - 150	04/03/20 11:14	04/05/20 00:33	1
M2-8:2 FTS	132		25 - 150	04/03/20 11:14	04/05/20 00:33	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1MID-POINT

Lab Sample ID: 320-59946-7

Date Collected: 04/01/20 09:30

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.0		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluoropentanoic acid (PFPeA)	2.2		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 00:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19		ng/L		04/03/20 11:14	04/05/20 00:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19		ng/L		04/03/20 11:14	04/05/20 00:43	1
6:2 FTS	ND		19		ng/L		04/03/20 11:14	04/05/20 00:43	1
8:2 FTS	ND		19		ng/L		04/03/20 11:14	04/05/20 00:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C5 PFPeA	100		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C2 PFHxA	100		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C4 PFHpA	105		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C4 PFOA	99		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C5 PFNA	104		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C2 PFDA	105		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C2 PFUnA	112		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C2 PFDoA	104		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C2 PFTeDA	111		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C3 PFBS	100		25 - 150	04/03/20 11:14	04/05/20 00:43	1
18O2 PFHxS	100		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C4 PFOS	103		25 - 150	04/03/20 11:14	04/05/20 00:43	1
13C8 FOSA	103		25 - 150	04/03/20 11:14	04/05/20 00:43	1
d3-NMeFOSAA	114		25 - 150	04/03/20 11:14	04/05/20 00:43	1
d5-NEtFOSAA	103		25 - 150	04/03/20 11:14	04/05/20 00:43	1
M2-6:2 FTS	127		25 - 150	04/03/20 11:14	04/05/20 00:43	1
M2-8:2 FTS	138		25 - 150	04/03/20 11:14	04/05/20 00:43	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1South-25

Lab Sample ID: 320-59946-8

Date Collected: 04/01/20 09:34

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.4		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 01:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 01:13	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 01:13	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 01:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	107		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C5 PFPeA	98		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C2 PFHxA	108		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C4 PFHpA	108		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C4 PFOA	103		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C5 PFNA	104		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C2 PFDA	108		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C2 PFUnA	116		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C2 PFDoA	104		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C2 PFTeA	111		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C3 PFBS	101		25 - 150	04/03/20 11:14	04/05/20 01:13	1
18O2 PFHxS	102		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C4 PFOS	108		25 - 150	04/03/20 11:14	04/05/20 01:13	1
13C8 FOSA	102		25 - 150	04/03/20 11:14	04/05/20 01:13	1
d3-NMeFOSAA	105		25 - 150	04/03/20 11:14	04/05/20 01:13	1
d5-NEtFOSAA	104		25 - 150	04/03/20 11:14	04/05/20 01:13	1
M2-6:2 FTS	130		25 - 150	04/03/20 11:14	04/05/20 01:13	1
M2-8:2 FTS	134		25 - 150	04/03/20 11:14	04/05/20 01:13	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1South-50

Lab Sample ID: 320-59946-9

Date Collected: 04/01/20 09:36

Matrix: Water

Date Received: 04/02/20 09:20

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		04/03/20 11:14	04/05/20 01:23	1
Perfluoropentanoic acid (PFPeA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorohexanoic acid (PFHxA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorooctanoic acid (PFOA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 01:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		04/03/20 11:14	04/05/20 01:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		04/03/20 11:14	04/05/20 01:23	1
6:2 FTS	ND		17		ng/L		04/03/20 11:14	04/05/20 01:23	1
8:2 FTS	ND		17		ng/L		04/03/20 11:14	04/05/20 01:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C5 PFPeA	97		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C2 PFHxA	102		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C4 PFHpA	103		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C4 PFOA	98		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C5 PFNA	103		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C2 PFDA	106		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C2 PFUnA	113		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C2 PFDoA	106		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C2 PFTeDA	109		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C3 PFBS	97		25 - 150	04/03/20 11:14	04/05/20 01:23	1
18O2 PFHxS	99		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C4 PFOS	100		25 - 150	04/03/20 11:14	04/05/20 01:23	1
13C8 FOSA	101		25 - 150	04/03/20 11:14	04/05/20 01:23	1
d3-NMeFOSAA	100		25 - 150	04/03/20 11:14	04/05/20 01:23	1
d5-NEtFOSAA	102		25 - 150	04/03/20 11:14	04/05/20 01:23	1
M2-6:2 FTS	118		25 - 150	04/03/20 11:14	04/05/20 01:23	1
M2-8:2 FTS	135		25 - 150	04/03/20 11:14	04/05/20 01:23	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1South-75

Lab Sample ID: 320-59946-10

Date Collected: 04/01/20 09:38

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 01:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 01:33	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 01:33	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 01:33	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C5 PFPeA	97		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C2 PFHxA	104		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C4 PFHpA	104		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C4 PFOA	101		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C5 PFNA	103		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C2 PFDA	103		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C2 PFUnA	110		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C2 PFDoA	107		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C2 PFTeDA	115		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C3 PFBS	103		25 - 150				04/03/20 11:14	04/05/20 01:33	1
18O2 PFHxS	100		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C4 PFOS	101		25 - 150				04/03/20 11:14	04/05/20 01:33	1
13C8 FOSA	100		25 - 150				04/03/20 11:14	04/05/20 01:33	1
d3-NMeFOSAA	104		25 - 150				04/03/20 11:14	04/05/20 01:33	1
d5-NEtFOSAA	107		25 - 150				04/03/20 11:14	04/05/20 01:33	1
M2-6:2 FTS	113		25 - 150				04/03/20 11:14	04/05/20 01:33	1
M2-8:2 FTS	124		25 - 150				04/03/20 11:14	04/05/20 01:33	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1POST

Lab Sample ID: 320-59946-11

Date Collected: 04/01/20 09:40

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.0		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 01:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 01:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 01:43	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 01:43	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 01:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	110		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C5 PFPeA	100		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C2 PFHxA	107		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C4 PFHpA	113		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C4 PFOA	101		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C5 PFNA	103		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C2 PFDA	107		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C2 PFUnA	115		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C2 PFDoA	105		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C2 PFTeDA	108		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C3 PFBS	103		25 - 150	04/03/20 11:14	04/05/20 01:43	1
18O2 PFHxS	102		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C4 PFOS	97		25 - 150	04/03/20 11:14	04/05/20 01:43	1
13C8 FOSA	102		25 - 150	04/03/20 11:14	04/05/20 01:43	1
d3-NMeFOSAA	99		25 - 150	04/03/20 11:14	04/05/20 01:43	1
d5-NEtFOSAA	103		25 - 150	04/03/20 11:14	04/05/20 01:43	1
M2-6:2 FTS	119		25 - 150	04/03/20 11:14	04/05/20 01:43	1
M2-8:2 FTS	122		25 - 150	04/03/20 11:14	04/05/20 01:43	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2North-25

Lab Sample ID: 320-59946-12

Date Collected: 04/01/20 09:47

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.5		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluoropentanoic acid (PFPeA)	3.5		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorohexanoic acid (PFHxA)	2.8		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorooctanoic acid (PFOA)	2.1		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorobutanesulfonic acid (PFBS)	1.9		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorohexanesulfonic acid (PFHxS)	1.9		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorooctanesulfonic acid (PFOS)	2.0		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		04/03/20 11:14	04/05/20 01:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19		ng/L		04/03/20 11:14	04/05/20 01:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19		ng/L		04/03/20 11:14	04/05/20 01:53	1
6:2 FTS	ND		19		ng/L		04/03/20 11:14	04/05/20 01:53	1
8:2 FTS	ND		19		ng/L		04/03/20 11:14	04/05/20 01:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C5 PFPeA	98		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C2 PFHxA	108		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C4 PFHpA	106		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C4 PFOA	101		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C5 PFNA	105		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C2 PFDA	106		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C2 PFUnA	112		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C2 PFDoA	104		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C2 PFTeDA	109		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C3 PFBS	99		25 - 150	04/03/20 11:14	04/05/20 01:53	1
18O2 PFHxS	100		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C4 PFOS	103		25 - 150	04/03/20 11:14	04/05/20 01:53	1
13C8 FOSA	102		25 - 150	04/03/20 11:14	04/05/20 01:53	1
d3-NMeFOSAA	115		25 - 150	04/03/20 11:14	04/05/20 01:53	1
d5-NEtFOSAA	104		25 - 150	04/03/20 11:14	04/05/20 01:53	1
M2-6:2 FTS	122		25 - 150	04/03/20 11:14	04/05/20 01:53	1
M2-8:2 FTS	129		25 - 150	04/03/20 11:14	04/05/20 01:53	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2North-50

Lab Sample ID: 320-59946-13

Date Collected: 04/01/20 09:49

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.5		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluoropentanoic acid (PFPeA)	3.3		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorohexanoic acid (PFHxA)	2.4		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 02:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 02:03	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 02:03	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 02:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	109		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C5 PFPeA	103		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C2 PFHxA	106		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C4 PFHpA	108		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C4 PFOA	104		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C5 PFNA	106		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C2 PFDA	111		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C2 PFUnA	126		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C2 PFDoA	113		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C2 PFTeDA	116		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C3 PFBS	108		25 - 150	04/03/20 11:14	04/05/20 02:03	1
18O2 PFHxS	105		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C4 PFOS	105		25 - 150	04/03/20 11:14	04/05/20 02:03	1
13C8 FOSA	109		25 - 150	04/03/20 11:14	04/05/20 02:03	1
d3-NMeFOSAA	109		25 - 150	04/03/20 11:14	04/05/20 02:03	1
d5-NEtFOSAA	107		25 - 150	04/03/20 11:14	04/05/20 02:03	1
M2-6:2 FTS	124		25 - 150	04/03/20 11:14	04/05/20 02:03	1
M2-8:2 FTS	148		25 - 150	04/03/20 11:14	04/05/20 02:03	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2North-75

Lab Sample ID: 320-59946-14

Date Collected: 04/01/20 09:51

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.3		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluoropentanoic acid (PFPeA)	2.9		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:14	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 02:14	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 02:14	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 02:14	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 02:14	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	106		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C5 PFPeA	99		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C2 PFHxA	107		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C4 PFHpA	106		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C4 PFOA	104		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C5 PFNA	109		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C2 PFDA	112		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C2 PFUnA	121		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C2 PFDoA	107		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C2 PFTeDA	118		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C3 PFBS	104		25 - 150	04/03/20 11:14	04/05/20 02:14	1
18O2 PFHxS	105		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C4 PFOS	103		25 - 150	04/03/20 11:14	04/05/20 02:14	1
13C8 FOSA	106		25 - 150	04/03/20 11:14	04/05/20 02:14	1
d3-NMeFOSAA	110		25 - 150	04/03/20 11:14	04/05/20 02:14	1
d5-NEtFOSAA	106		25 - 150	04/03/20 11:14	04/05/20 02:14	1
M2-6:2 FTS	143		25 - 150	04/03/20 11:14	04/05/20 02:14	1
M2-8:2 FTS	137		25 - 150	04/03/20 11:14	04/05/20 02:14	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2MID-POINT

Lab Sample ID: 320-59946-15

Date Collected: 04/01/20 09:53

Matrix: Water

Date Received: 04/02/20 09:20

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		04/03/20 11:14	04/05/20 02:23	1
Perfluoropentanoic acid (PFPeA)	2.1		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 02:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 02:23	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 02:23	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 02:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C5 PFPeA	96		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C2 PFHxA	99		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C4 PFHpA	100		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C4 PFOA	101		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C5 PFNA	101		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C2 PFDA	102		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C2 PFUnA	113		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C2 PFDoA	105		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C2 PFTeDA	108		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C3 PFBS	99		25 - 150	04/03/20 11:14	04/05/20 02:23	1
18O2 PFHxS	99		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C4 PFOS	102		25 - 150	04/03/20 11:14	04/05/20 02:23	1
13C8 FOSA	97		25 - 150	04/03/20 11:14	04/05/20 02:23	1
d3-NMeFOSAA	119		25 - 150	04/03/20 11:14	04/05/20 02:23	1
d5-NEtFOSAA	104		25 - 150	04/03/20 11:14	04/05/20 02:23	1
M2-6:2 FTS	184	*5	25 - 150	04/03/20 11:14	04/05/20 02:23	1
M2-8:2 FTS	169	*5	25 - 150	04/03/20 11:14	04/05/20 02:23	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2South-25

Lab Sample ID: 320-59946-16

Date Collected: 04/01/20 09:58

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.7		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:34	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 02:34	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 02:34	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 02:34	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 02:34	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C5 PFPeA	101		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C2 PFHxA	111		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C4 PFHpA	105		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C4 PFOA	103		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C5 PFNA	105		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C2 PFDA	108		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C2 PFUnA	113		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C2 PFDoA	106		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C2 PFTeDA	113		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C3 PFBS	103		25 - 150	04/03/20 11:14	04/05/20 02:34	1
18O2 PFHxS	101		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C4 PFOS	103		25 - 150	04/03/20 11:14	04/05/20 02:34	1
13C8 FOSA	108		25 - 150	04/03/20 11:14	04/05/20 02:34	1
d3-NMeFOSAA	103		25 - 150	04/03/20 11:14	04/05/20 02:34	1
d5-NEtFOSAA	103		25 - 150	04/03/20 11:14	04/05/20 02:34	1
M2-6:2 FTS	110		25 - 150	04/03/20 11:14	04/05/20 02:34	1
M2-8:2 FTS	133		25 - 150	04/03/20 11:14	04/05/20 02:34	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2South-50

Lab Sample ID: 320-59946-17

Date Collected: 04/01/20 10:00

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.4		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 02:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 02:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 02:43	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 02:43	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 02:43	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	105		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C5 PFPeA	98		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C2 PFHxA	104		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C4 PFHpA	106		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C4 PFOA	102		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C5 PFNA	104		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C2 PFDA	107		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C2 PFUnA	113		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C2 PFDoA	110		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C2 PFTeDA	111		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C3 PFBS	103		25 - 150				04/03/20 11:14	04/05/20 02:43	1
18O2 PFHxS	103		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C4 PFOS	98		25 - 150				04/03/20 11:14	04/05/20 02:43	1
13C8 FOSA	105		25 - 150				04/03/20 11:14	04/05/20 02:43	1
d3-NMeFOSAA	106		25 - 150				04/03/20 11:14	04/05/20 02:43	1
d5-NEtFOSAA	102		25 - 150				04/03/20 11:14	04/05/20 02:43	1
M2-6:2 FTS	116		25 - 150				04/03/20 11:14	04/05/20 02:43	1
M2-8:2 FTS	138		25 - 150				04/03/20 11:14	04/05/20 02:43	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2South-75

Lab Sample ID: 320-59946-18

Date Collected: 04/01/20 10:01

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluoropentanoic acid (PFPeA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorohexanoic acid (PFHxA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorooctanoic acid (PFOA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		04/03/20 11:14	04/05/20 03:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		04/03/20 11:14	04/05/20 03:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		04/03/20 11:14	04/05/20 03:13	1
6:2 FTS	ND		17		ng/L		04/03/20 11:14	04/05/20 03:13	1
8:2 FTS	ND		17		ng/L		04/03/20 11:14	04/05/20 03:13	1
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	106		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C5 PFPeA	101		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C2 PFHxA	108		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C4 PFHpA	106		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C4 PFOA	105		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C5 PFNA	102		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C2 PFDA	107		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C2 PFUnA	117		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C2 PFDoA	116		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C2 PFTeDA	108		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C3 PFBS	103		25 - 150				04/03/20 11:14	04/05/20 03:13	1
18O2 PFHxS	103		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C4 PFOS	104		25 - 150				04/03/20 11:14	04/05/20 03:13	1
13C8 FOSA	105		25 - 150				04/03/20 11:14	04/05/20 03:13	1
d3-NMeFOSAA	108		25 - 150				04/03/20 11:14	04/05/20 03:13	1
d5-NEtFOSAA	107		25 - 150				04/03/20 11:14	04/05/20 03:13	1
M2-6:2 FTS	130		25 - 150				04/03/20 11:14	04/05/20 03:13	1
M2-8:2 FTS	137		25 - 150				04/03/20 11:14	04/05/20 03:13	1

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2POST

Lab Sample ID: 320-59946-19

Date Collected: 04/01/20 10:03

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:14	04/05/20 03:24	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 03:24	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:14	04/05/20 03:24	1
6:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 03:24	1
8:2 FTS	ND		18		ng/L		04/03/20 11:14	04/05/20 03:24	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	113		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C5 PFPeA	103		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C2 PFHxA	110		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C4 PFHpA	110		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C4 PFOA	109		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C5 PFNA	107		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C2 PFDA	115		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C2 PFUnA	124		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C2 PFDoA	110		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C2 PFTeDA	119		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C3 PFBS	105		25 - 150	04/03/20 11:14	04/05/20 03:24	1
18O2 PFHxS	109		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C4 PFOS	111		25 - 150	04/03/20 11:14	04/05/20 03:24	1
13C8 FOSA	106		25 - 150	04/03/20 11:14	04/05/20 03:24	1
d3-NMeFOSAA	108		25 - 150	04/03/20 11:14	04/05/20 03:24	1
d5-NEtFOSAA	108		25 - 150	04/03/20 11:14	04/05/20 03:24	1
M2-6:2 FTS	125		25 - 150	04/03/20 11:14	04/05/20 03:24	1
M2-8:2 FTS	137		25 - 150	04/03/20 11:14	04/05/20 03:24	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-3North-25

Lab Sample ID: 320-59946-20

Date Collected: 04/01/20 10:09

Matrix: Water

Date Received: 04/02/20 09:20

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		04/03/20 11:15	04/05/20 03:33	1
Perfluoropentanoic acid (PFPeA)	3.3		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorohexanoic acid (PFHxA)	2.5		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:15	04/05/20 03:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:15	04/05/20 03:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:15	04/05/20 03:33	1
6:2 FTS	ND		18		ng/L		04/03/20 11:15	04/05/20 03:33	1
8:2 FTS	ND		18		ng/L		04/03/20 11:15	04/05/20 03:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	107		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C5 PFPeA	97		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C2 PFHxA	104		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C4 PFHpA	104		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C4 PFOA	103		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C5 PFNA	102		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C2 PFDA	107		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C2 PFUnA	117		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C2 PFDoA	113		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C2 PFTeDA	108		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C3 PFBS	103		25 - 150	04/03/20 11:15	04/05/20 03:33	1
18O2 PFHxS	99		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C4 PFOS	101		25 - 150	04/03/20 11:15	04/05/20 03:33	1
13C8 FOSA	105		25 - 150	04/03/20 11:15	04/05/20 03:33	1
d3-NMeFOSAA	110		25 - 150	04/03/20 11:15	04/05/20 03:33	1
d5-NEtFOSAA	104		25 - 150	04/03/20 11:15	04/05/20 03:33	1
M2-6:2 FTS	117		25 - 150	04/03/20 11:15	04/05/20 03:33	1
M2-8:2 FTS	143		25 - 150	04/03/20 11:15	04/05/20 03:33	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-3North-50

Lab Sample ID: 320-59946-21

Date Collected: 04/01/20 10:11

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.0		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluoropentanoic acid (PFPeA)	3.2		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorohexanoic acid (PFHxA)	1.9		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 01:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19		ng/L		04/03/20 11:19	04/06/20 01:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19		ng/L		04/03/20 11:19	04/06/20 01:43	1
6:2 FTS	ND		19		ng/L		04/03/20 11:19	04/06/20 01:43	1
8:2 FTS	ND		19		ng/L		04/03/20 11:19	04/06/20 01:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	103		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C5 PFPeA	92		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C2 PFHxA	94		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C4 PFHpA	101		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C4 PFOA	101		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C5 PFNA	102		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C2 PFDA	104		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C2 PFUnA	108		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C2 PFDoA	103		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C2 PFTeDA	112		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C3 PFBS	96		25 - 150	04/03/20 11:19	04/06/20 01:43	1
18O2 PFHxS	102		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C4 PFOS	105		25 - 150	04/03/20 11:19	04/06/20 01:43	1
13C8 FOSA	96		25 - 150	04/03/20 11:19	04/06/20 01:43	1
d3-NMeFOSAA	107		25 - 150	04/03/20 11:19	04/06/20 01:43	1
d5-NEtFOSAA	102		25 - 150	04/03/20 11:19	04/06/20 01:43	1
M2-6:2 FTS	124		25 - 150	04/03/20 11:19	04/06/20 01:43	1
M2-8:2 FTS	125		25 - 150	04/03/20 11:19	04/06/20 01:43	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-3North-75

Lab Sample ID: 320-59946-22

Date Collected: 04/01/20 10:12

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.7		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluoropentanoic acid (PFPeA)	2.3		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 01:53	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:19	04/06/20 01:53	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:19	04/06/20 01:53	1
6:2 FTS	ND		18		ng/L		04/03/20 11:19	04/06/20 01:53	1
8:2 FTS	ND		18		ng/L		04/03/20 11:19	04/06/20 01:53	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	104		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C5 PFPeA	93		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C2 PFHxA	98		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C4 PFHpA	99		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C4 PFOA	101		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C5 PFNA	102		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C2 PFDA	107		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C2 PFUnA	117		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C2 PFDoA	112		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C2 PFTeDA	122		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C3 PFBS	92		25 - 150	04/03/20 11:19	04/06/20 01:53	1
18O2 PFHxS	100		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C4 PFOS	105		25 - 150	04/03/20 11:19	04/06/20 01:53	1
13C8 FOSA	101		25 - 150	04/03/20 11:19	04/06/20 01:53	1
d3-NMeFOSAA	111		25 - 150	04/03/20 11:19	04/06/20 01:53	1
d5-NEtFOSAA	107		25 - 150	04/03/20 11:19	04/06/20 01:53	1
M2-6:2 FTS	121		25 - 150	04/03/20 11:19	04/06/20 01:53	1
M2-8:2 FTS	179	*5	25 - 150	04/03/20 11:19	04/06/20 01:53	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-3MID-POINT

Lab Sample ID: 320-59946-23

Date Collected: 04/01/20 10:15

Matrix: Water

Date Received: 04/02/20 09:20

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		04/03/20 11:19	04/06/20 02:03	1
Perfluoropentanoic acid (PFPeA)	1.8		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:03	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:19	04/06/20 02:03	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:19	04/06/20 02:03	1
6:2 FTS	ND		18		ng/L		04/03/20 11:19	04/06/20 02:03	1
8:2 FTS	ND		18		ng/L		04/03/20 11:19	04/06/20 02:03	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	106		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C5 PFPeA	94		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C2 PFHxA	100		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C4 PFHpA	99		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C4 PFOA	104		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C5 PFNA	101		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C2 PFDA	102		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C2 PFUnA	110		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C2 PFDoA	107		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C2 PFTeDA	112		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C3 PFBS	95		25 - 150	04/03/20 11:19	04/06/20 02:03	1
18O2 PFHxS	102		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C4 PFOS	103		25 - 150	04/03/20 11:19	04/06/20 02:03	1
13C8 FOSA	98		25 - 150	04/03/20 11:19	04/06/20 02:03	1
d3-NMeFOSAA	105		25 - 150	04/03/20 11:19	04/06/20 02:03	1
d5-NEtFOSAA	107		25 - 150	04/03/20 11:19	04/06/20 02:03	1
M2-6:2 FTS	130		25 - 150	04/03/20 11:19	04/06/20 02:03	1
M2-8:2 FTS	139		25 - 150	04/03/20 11:19	04/06/20 02:03	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-3South-25

Lab Sample ID: 320-59946-24

Date Collected: 04/01/20 10:19

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.4		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluoropentanoic acid (PFPeA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorohexanoic acid (PFHxA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluoroheptanoic acid (PFHpA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorooctanoic acid (PFOA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorononanoic acid (PFNA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorodecanoic acid (PFDA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorotridecanoic acid (PFTriA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
Perfluorooctanesulfonamide (FOSA)	ND		1.9		ng/L		04/03/20 11:19	04/06/20 02:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		19		ng/L		04/03/20 11:19	04/06/20 02:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		19		ng/L		04/03/20 11:19	04/06/20 02:13	1
6:2 FTS	ND		19		ng/L		04/03/20 11:19	04/06/20 02:13	1
8:2 FTS	ND		19		ng/L		04/03/20 11:19	04/06/20 02:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	110		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C5 PFPeA	100		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C2 PFHxA	102		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C4 PFHpA	103		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C4 PFOA	104		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C5 PFNA	105		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C2 PFDA	107		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C2 PFUnA	117		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C2 PFDoA	107		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C2 PFTeDA	117		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C3 PFBS	94		25 - 150	04/03/20 11:19	04/06/20 02:13	1
18O2 PFHxS	106		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C4 PFOS	109		25 - 150	04/03/20 11:19	04/06/20 02:13	1
13C8 FOSA	103		25 - 150	04/03/20 11:19	04/06/20 02:13	1
d3-NMeFOSAA	112		25 - 150	04/03/20 11:19	04/06/20 02:13	1
d5-NEtFOSAA	106		25 - 150	04/03/20 11:19	04/06/20 02:13	1
M2-6:2 FTS	127		25 - 150	04/03/20 11:19	04/06/20 02:13	1
M2-8:2 FTS	142		25 - 150	04/03/20 11:19	04/06/20 02:13	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-3South-50

Lab Sample ID: 320-59946-25

Date Collected: 04/01/20 10:21

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	3.2		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:19	04/06/20 02:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:19	04/06/20 02:23	1
6:2 FTS	ND		18		ng/L		04/03/20 11:19	04/06/20 02:23	1
8:2 FTS	ND		18		ng/L		04/03/20 11:19	04/06/20 02:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	107		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C5 PFPeA	95		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C2 PFHxA	103		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C4 PFHpA	101		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C4 PFOA	100		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C5 PFNA	102		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C2 PFDA	107		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C2 PFUnA	116		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C2 PFDoA	109		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C2 PFTeA	111		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C3 PFBS	98		25 - 150	04/03/20 11:19	04/06/20 02:23	1
18O2 PFHxS	100		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C4 PFOS	99		25 - 150	04/03/20 11:19	04/06/20 02:23	1
13C8 FOSA	99		25 - 150	04/03/20 11:19	04/06/20 02:23	1
d3-NMeFOSAA	106		25 - 150	04/03/20 11:19	04/06/20 02:23	1
d5-NEtFOSAA	106		25 - 150	04/03/20 11:19	04/06/20 02:23	1
M2-6:2 FTS	120		25 - 150	04/03/20 11:19	04/06/20 02:23	1
M2-8:2 FTS	145		25 - 150	04/03/20 11:19	04/06/20 02:23	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-3South-75

Lab Sample ID: 320-59946-26

Date Collected: 04/01/20 10:23

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:19	04/06/20 02:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:19	04/06/20 02:33	1
6:2 FTS	ND		18		ng/L		04/03/20 11:19	04/06/20 02:33	1
8:2 FTS	ND		18		ng/L		04/03/20 11:19	04/06/20 02:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	106		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C5 PFPeA	95		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C2 PFHxA	106		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C4 PFHpA	107		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C4 PFOA	104		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C5 PFNA	105		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C2 PFDA	105		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C2 PFUnA	113		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C2 PFDoA	109		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C2 PFTeDA	117		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C3 PFBS	93		25 - 150	04/03/20 11:19	04/06/20 02:33	1
18O2 PFHxS	106		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C4 PFOS	104		25 - 150	04/03/20 11:19	04/06/20 02:33	1
13C8 FOSA	98		25 - 150	04/03/20 11:19	04/06/20 02:33	1
d3-NMeFOSAA	106		25 - 150	04/03/20 11:19	04/06/20 02:33	1
d5-NEtFOSAA	104		25 - 150	04/03/20 11:19	04/06/20 02:33	1
M2-6:2 FTS	124		25 - 150	04/03/20 11:19	04/06/20 02:33	1
M2-8:2 FTS	144		25 - 150	04/03/20 11:19	04/06/20 02:33	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-3POST

Lab Sample ID: 320-59946-27

Date Collected: 04/01/20 10:25

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.3		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluoropentanoic acid (PFPeA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorohexanoic acid (PFHxA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluoroheptanoic acid (PFHpA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorooctanoic acid (PFOA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorononanoic acid (PFNA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorodecanoic acid (PFDA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluoroundecanoic acid (PFUnA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorododecanoic acid (PFDoA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorotridecanoic acid (PFTriA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorohexanesulfonic acid (PFHxS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorooctanesulfonic acid (PFOS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
Perfluorooctanesulfonamide (FOSA)	ND		1.8		ng/L		04/03/20 11:19	04/06/20 02:43	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		18		ng/L		04/03/20 11:19	04/06/20 02:43	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		18		ng/L		04/03/20 11:19	04/06/20 02:43	1
6:2 FTS	ND		18		ng/L		04/03/20 11:19	04/06/20 02:43	1
8:2 FTS	ND		18		ng/L		04/03/20 11:19	04/06/20 02:43	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C5 PFPeA	95		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C2 PFHxA	101		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C4 PFHpA	100		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C4 PFOA	100		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C5 PFNA	106		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C2 PFDA	106		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C2 PFUnA	115		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C2 PFDoA	106		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C2 PFTeDA	111		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C3 PFBS	99		25 - 150	04/03/20 11:19	04/06/20 02:43	1
18O2 PFHxS	102		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C4 PFOS	101		25 - 150	04/03/20 11:19	04/06/20 02:43	1
13C8 FOSA	102		25 - 150	04/03/20 11:19	04/06/20 02:43	1
d3-NMeFOSAA	109		25 - 150	04/03/20 11:19	04/06/20 02:43	1
d5-NEtFOSAA	107		25 - 150	04/03/20 11:19	04/06/20 02:43	1
M2-6:2 FTS	135		25 - 150	04/03/20 11:19	04/06/20 02:43	1
M2-8:2 FTS	145		25 - 150	04/03/20 11:19	04/06/20 02:43	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1RAW

Lab Sample ID: 320-59946-28

Date Collected: 04/01/20 10:44

Matrix: Water

Date Received: 04/02/20 09:20

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		04/03/20 11:19	04/06/20 03:13	1
Perfluoropentanoic acid (PFPeA)	3.2		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorohexanoic acid (PFHxA)	3.1		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluoroheptanoic acid (PFHpA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorooctanoic acid (PFOA)	3.0		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorobutanesulfonic acid (PFBS)	2.4		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorohexanesulfonic acid (PFHxS)	2.7		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorooctanesulfonic acid (PFOS)	3.4		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		04/03/20 11:19	04/06/20 03:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		04/03/20 11:19	04/06/20 03:13	1
6:2 FTS	ND		17		ng/L		04/03/20 11:19	04/06/20 03:13	1
8:2 FTS	ND		17		ng/L		04/03/20 11:19	04/06/20 03:13	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C5 PFPeA	92		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C2 PFHxA	101		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C4 PFHpA	105		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C4 PFOA	100		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C5 PFNA	106		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C2 PFDA	108		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C2 PFUnA	118		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C2 PFDoA	116		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C2 PFTeDA	118		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C3 PFBS	102		25 - 150	04/03/20 11:19	04/06/20 03:13	1
18O2 PFHxS	100		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C4 PFOS	104		25 - 150	04/03/20 11:19	04/06/20 03:13	1
13C8 FOSA	106		25 - 150	04/03/20 11:19	04/06/20 03:13	1
d3-NMeFOSAA	109		25 - 150	04/03/20 11:19	04/06/20 03:13	1
d5-NEtFOSAA	107		25 - 150	04/03/20 11:19	04/06/20 03:13	1
M2-6:2 FTS	126		25 - 150	04/03/20 11:19	04/06/20 03:13	1
M2-8:2 FTS	141		25 - 150	04/03/20 11:19	04/06/20 03:13	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2RAW

Lab Sample ID: 320-59946-29

Date Collected: 04/01/20 11:00

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	4.1		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluoropentanoic acid (PFPeA)	5.8		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorohexanoic acid (PFHxA)	3.8		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluoroheptanoic acid (PFHpA)	2.0		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorooctanoic acid (PFOA)	3.1		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorohexanesulfonic acid (PFHxS)	3.4		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorooctanesulfonic acid (PFOS)	2.2	I	1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:23	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		04/03/20 11:19	04/06/20 03:23	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		04/03/20 11:19	04/06/20 03:23	1
6:2 FTS	ND		17		ng/L		04/03/20 11:19	04/06/20 03:23	1
8:2 FTS	ND		17		ng/L		04/03/20 11:19	04/06/20 03:23	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C5 PFPeA	97		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C2 PFHxA	104		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C4 PFHpA	107		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C4 PFOA	103		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C5 PFNA	113		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C2 PFDA	113		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C2 PFUnA	123		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C2 PFDoA	110		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C2 PFTeDA	121		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C3 PFBS	107		25 - 150	04/03/20 11:19	04/06/20 03:23	1
18O2 PFHxS	106		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C4 PFOS	109		25 - 150	04/03/20 11:19	04/06/20 03:23	1
13C8 FOSA	108		25 - 150	04/03/20 11:19	04/06/20 03:23	1
d3-NMeFOSAA	116		25 - 150	04/03/20 11:19	04/06/20 03:23	1
d5-NEtFOSAA	114		25 - 150	04/03/20 11:19	04/06/20 03:23	1
M2-6:2 FTS	128		25 - 150	04/03/20 11:19	04/06/20 03:23	1
M2-8:2 FTS	155	*5	25 - 150	04/03/20 11:19	04/06/20 03:23	1

Eurofins TestAmerica, Sacramento

Client Sample Results

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-3RAW

Lab Sample ID: 320-59946-30

Date Collected: 04/01/20 11:15

Matrix: Water

Date Received: 04/02/20 09:20

Method: 537 (modified) - Fluorinated Alkyl Substances

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	2.9		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluoropentanoic acid (PFPeA)	4.5		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorohexanoic acid (PFHxA)	3.0		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluoroheptanoic acid (PFHpA)	1.8		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorooctanoic acid (PFOA)	2.8		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorononanoic acid (PFNA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorodecanoic acid (PFDA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluoroundecanoic acid (PFUnA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorododecanoic acid (PFDoA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorotridecanoic acid (PFTriA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorotetradecanoic acid (PFTeA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorobutanesulfonic acid (PFBS)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorohexanesulfonic acid (PFHxS)	3.4		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorooctanesulfonic acid (PFOS)	4.5		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorodecanesulfonic acid (PFDS)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
Perfluorooctanesulfonamide (FOSA)	ND		1.7		ng/L		04/03/20 11:19	04/06/20 03:33	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		17		ng/L		04/03/20 11:19	04/06/20 03:33	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		17		ng/L		04/03/20 11:19	04/06/20 03:33	1
6:2 FTS	ND		17		ng/L		04/03/20 11:19	04/06/20 03:33	1
8:2 FTS	ND		17		ng/L		04/03/20 11:19	04/06/20 03:33	1

Isotope Dilution	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	98		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C5 PFPeA	95		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C2 PFHxA	103		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C4 PFHpA	100		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C4 PFOA	100		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C5 PFNA	107		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C2 PFDA	111		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C2 PFUnA	117		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C2 PFDoA	104		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C2 PFTeDA	116		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C3 PFBS	102		25 - 150	04/03/20 11:19	04/06/20 03:33	1
18O2 PFHxS	101		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C4 PFOS	110		25 - 150	04/03/20 11:19	04/06/20 03:33	1
13C8 FOSA	103		25 - 150	04/03/20 11:19	04/06/20 03:33	1
d3-NMeFOSAA	101		25 - 150	04/03/20 11:19	04/06/20 03:33	1
d5-NEtFOSAA	105		25 - 150	04/03/20 11:19	04/06/20 03:33	1
M2-6:2 FTS	127		25 - 150	04/03/20 11:19	04/06/20 03:33	1
M2-8:2 FTS	151	*5	25 - 150	04/03/20 11:19	04/06/20 03:33	1

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Isotope Dilution Summary

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

Job ID: 320-59946-1

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)	PFHpA (25-150)	PFOA (25-150)	PFNA (25-150)	PFDA (25-150)	PFUnA (25-150)
320-59946-1	BH20200401POST-GAC	104	100	106	104	104	103	108	114
320-59946-2	BH20200401POST-GACDUP	102	97	104	101	100	102	100	113
320-59946-3	BH20200401PRE-GAC	111	101	112	112	109	112	116	120
320-59946-4	BH20200401-1North-25	103	99	106	102	100	103	104	115
320-59946-5	BH20200401-1North-50	102	97	108	101	99	101	104	108
320-59946-6	BH20200401-1North-75	103	98	107	103	99	99	106	114
320-59946-7	BH20200401-1MID-POINT	103	100	100	105	99	104	105	112
320-59946-8	BH20200401-1South-25	107	98	108	108	103	104	108	116
320-59946-9	BH20200401-1South-50	103	97	102	103	98	103	106	113
320-59946-10	BH20200401-1South-75	105	97	104	104	101	103	103	110
320-59946-11	BH20200401-1POST	110	100	107	113	101	103	107	115
320-59946-12	BH20200401-2North-25	103	98	108	106	101	105	106	112
320-59946-13	BH20200401-2North-50	109	103	106	108	104	106	111	126
320-59946-14	BH20200401-2North-75	106	99	107	106	104	109	112	121
320-59946-15	BH20200401-2MID-POINT	103	96	99	100	101	101	102	113
320-59946-16	BH20200401-2South-25	103	101	111	105	103	105	108	113
320-59946-17	BH20200401-2South-50	105	98	104	106	102	104	107	113
320-59946-18	BH20200401-2South-75	106	101	108	106	105	102	107	117
320-59946-19	BH20200401-2POST	113	103	110	110	109	107	115	124
320-59946-20	BH20200401-3North-25	107	97	104	104	103	102	107	117
320-59946-21	BH20200401-3North-50	103	92	94	101	101	102	104	108
320-59946-22	BH20200401-3North-75	104	93	98	99	101	102	107	117
320-59946-23	BH20200401-3MID-POINT	106	94	100	99	104	101	102	110
320-59946-24	BH20200401-3South-25	110	100	102	103	104	105	107	117
320-59946-25	BH20200401-3South-50	107	95	103	101	100	102	107	116
320-59946-26	BH20200401-3South-75	106	95	106	107	104	105	105	113
320-59946-27	BH20200401-3POST	100	95	101	100	100	106	106	115
320-59946-28	BH20200401-1RAW	100	92	101	105	100	106	108	118
320-59946-29	BH20200401-2RAW	98	97	104	107	103	113	113	123
320-59946-30	BH20200401-3RAW	98	95	103	100	100	107	111	117
LCS 320-369851/2-A	Lab Control Sample	102	98	106	105	98	107	101	110
LCS 320-369852/2-A	Lab Control Sample	109	98	104	106	106	102	107	120
LCSD 320-369851/3-A	Lab Control Sample Dup	100	96	102	101	99	99	100	108
LCSD 320-369852/3-A	Lab Control Sample Dup	106	96	105	107	102	106	105	113
MB 320-369851/1-A	Method Blank	100	94	100	100	93	100	101	110
MB 320-369852/1-A	Method Blank	108	99	107	108	103	105	108	120
Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)							
		PFDoA (25-150)	PFTDA (25-150)	3C3-PFB: (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	-NMeFOS/ (25-150)	-NEtFOS/ (25-150)
320-59946-1	BH20200401POST-GAC	108	111	100	101	99	103	100	105
320-59946-2	BH20200401POST-GACDUP	100	111	98	102	101	105	98	104
320-59946-3	BH20200401PRE-GAC	114	121	107	110	111	115	110	111
320-59946-4	BH20200401-1North-25	109	115	106	99	102	108	102	102
320-59946-5	BH20200401-1North-50	97	107	100	99	99	101	99	99
320-59946-6	BH20200401-1North-75	106	116	101	102	102	102	101	104
320-59946-7	BH20200401-1MID-POINT	104	111	100	100	103	103	114	103
320-59946-8	BH20200401-1South-25	104	111	101	102	108	102	105	104
320-59946-9	BH20200401-1South-50	106	109	97	99	100	101	100	102
320-59946-10	BH20200401-1South-75	107	115	103	100	101	100	104	107

Eurofins TestAmerica, Sacramento

Isotope Dilution Summary

Client: New York State D.E.C.

Job ID: 320-59946-1

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)	3C3-PFB: (25-150)	PFHxS (25-150)	PFOS (25-150)	PFOSA (25-150)	-NMeFOS/ (25-150)	-NEtFOS/ (25-150)
320-59946-11	BH20200401-1POST	105	108	103	102	97	102	99	103
320-59946-12	BH20200401-2North-25	104	109	99	100	103	102	115	104
320-59946-13	BH20200401-2North-50	113	116	108	105	105	109	109	107
320-59946-14	BH20200401-2North-75	107	118	104	105	103	106	110	106
320-59946-15	BH20200401-2MID-POINT	105	108	99	99	102	97	119	104
320-59946-16	BH20200401-2South-25	106	113	103	101	103	108	103	103
320-59946-17	BH20200401-2South-50	110	111	103	103	98	105	106	102
320-59946-18	BH20200401-2South-75	116	108	103	103	104	105	108	107
320-59946-19	BH20200401-2POST	110	119	105	109	111	106	108	108
320-59946-20	BH20200401-3North-25	113	108	103	99	101	105	110	104
320-59946-21	BH20200401-3North-50	103	112	96	102	105	96	107	102
320-59946-22	BH20200401-3North-75	112	122	92	100	105	101	111	107
320-59946-23	BH20200401-3MID-POINT	107	112	95	102	103	98	105	107
320-59946-24	BH20200401-3South-25	107	117	94	106	109	103	112	106
320-59946-25	BH20200401-3South-50	109	111	98	100	99	99	106	106
320-59946-26	BH20200401-3South-75	109	117	93	106	104	98	106	104
320-59946-27	BH20200401-3POST	106	111	99	102	101	102	109	107
320-59946-28	BH20200401-1RAW	116	118	102	100	104	106	109	107
320-59946-29	BH20200401-2RAW	110	121	107	106	109	108	116	114
320-59946-30	BH20200401-3RAW	104	116	102	101	110	103	101	105
LCS 320-369851/2-A	Lab Control Sample	105	116	103	102	102	98	104	99
LCS 320-369852/2-A	Lab Control Sample	110	122	97	107	104	100	111	104
LCSD 320-369851/3-A	Lab Control Sample Dup	100	102	98	98	93	99	95	98
LCSD 320-369852/3-A	Lab Control Sample Dup	103	116	94	103	100	99	109	105
MB 320-369851/1-A	Method Blank	98	109	94	97	99	95	99	106
MB 320-369852/1-A	Method Blank	110	116	95	106	103	99	108	109

Lab Sample ID	Client Sample ID	Percent Isotope Dilution Recovery (Acceptance Limits)	
		M262FTS (25-150)	M282FTS (25-150)
320-59946-1	BH20200401POST-GAC	114	131
320-59946-2	BH20200401POST-GACDUP	118	123
320-59946-3	BH20200401PRE-GAC	120	151 *5
320-59946-4	BH20200401-1North-25	118	148
320-59946-5	BH20200401-1North-50	111	136
320-59946-6	BH20200401-1North-75	113	132
320-59946-7	BH20200401-1MID-POINT	127	138
320-59946-8	BH20200401-1South-25	130	134
320-59946-9	BH20200401-1South-50	118	135
320-59946-10	BH20200401-1South-75	113	124
320-59946-11	BH20200401-1POST	119	122
320-59946-12	BH20200401-2North-25	122	129
320-59946-13	BH20200401-2North-50	124	148
320-59946-14	BH20200401-2North-75	143	137
320-59946-15	BH20200401-2MID-POINT	184 *5	169 *5
320-59946-16	BH20200401-2South-25	110	133
320-59946-17	BH20200401-2South-50	116	138
320-59946-18	BH20200401-2South-75	130	137
320-59946-19	BH20200401-2POST	125	137
320-59946-20	BH20200401-3North-25	117	143
320-59946-21	BH20200401-3North-50	124	125

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Isotope Dilution Summary

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

Job ID: 320-59946-1

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)
320-59946-22	BH20200401-3North-75	121	179 *5
320-59946-23	BH20200401-3MID-POINT	130	139
320-59946-24	BH20200401-3South-25	127	142
320-59946-25	BH20200401-3South-50	120	145
320-59946-26	BH20200401-3South-75	124	144
320-59946-27	BH20200401-3POST	135	145
320-59946-28	BH20200401-1RAW	126	141
320-59946-29	BH20200401-2RAW	128	155 *5
320-59946-30	BH20200401-3RAW	127	151 *5
LCS 320-369851/2-A	Lab Control Sample	111	126
LCS 320-369852/2-A	Lab Control Sample	133	141
LCSD 320-369851/3-A	Lab Control Sample Dup	107	128
LCSD 320-369852/3-A	Lab Control Sample Dup	130	133
MB 320-369851/1-A	Method Blank	103	123
MB 320-369852/1-A	Method Blank	131	135

Surrogate Legend

PFBA = 13C4 PFBA
 PFPeA = 13C5 PFPeA
 PFHxA = 13C2 PFHxA
 PFHpA = 13C4 PFHpA
 PFOA = 13C4 PFOA
 PFNA = 13C5 PFNA
 PFDA = 13C2 PFDA
 PFUnA = 13C2 PFUnA
 PFDaA = 13C2 PFDaA
 PFTDA = 13C2 PFTeDA
 13C3-PFBS = 13C3 PFBS
 PFHxS = 18O2 PFHxS
 PFOS = 13C4 PFOS
 PFOSA = 13C8 FOSA
 d3-NMeFOSAA = d3-NMeFOSAA
 d5-NEtFOSAA = d5-NEtFOSAA
 M262FTS = M2-6:2 FTS
 M282FTS = M2-8:2 FTS

QC Sample Results

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

Job ID: 320-59946-1

Method: 537 (modified) - Fluorinated Alkyl Substances

Lab Sample ID: MB 320-369851/1-A

Matrix: Water

Analysis Batch: 370173

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 369851

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Perfluorobutanoic acid (PFBA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		04/03/20 11:14	04/04/20 23:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20		ng/L		04/03/20 11:14	04/04/20 23:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20		ng/L		04/03/20 11:14	04/04/20 23:13	1
6:2 FTS	ND		20		ng/L		04/03/20 11:14	04/04/20 23:13	1
8:2 FTS	ND		20		ng/L		04/03/20 11:14	04/04/20 23:13	1

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C4 PFBA	100		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C5 PFPeA	94		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C2 PFHxA	100		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C4 PFHpA	100		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C4 PFOA	93		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C5 PFNA	100		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C2 PFDA	101		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C2 PFUnA	110		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C2 PFDoA	98		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C2 PFTeDA	109		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C3 PFBS	94		25 - 150	04/03/20 11:14	04/04/20 23:13	1
18O2 PFHxS	97		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C4 PFOS	99		25 - 150	04/03/20 11:14	04/04/20 23:13	1
13C8 FOSA	95		25 - 150	04/03/20 11:14	04/04/20 23:13	1
d3-NMeFOSAA	99		25 - 150	04/03/20 11:14	04/04/20 23:13	1
d5-NEtFOSAA	106		25 - 150	04/03/20 11:14	04/04/20 23:13	1
M2-6:2 FTS	103		25 - 150	04/03/20 11:14	04/04/20 23:13	1
M2-8:2 FTS	123		25 - 150	04/03/20 11:14	04/04/20 23:13	1

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QC Sample Results

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

Job ID: 320-59946-1

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

Lab Sample ID: LCS 320-369851/2-A

Matrix: Water

Analysis Batch: 370173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 369851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	36.5		ng/L		91	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	38.1		ng/L		95	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	37.8		ng/L		94	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	34.7		ng/L		87	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	37.2		ng/L		93	70 - 130
Perfluorononanoic acid (PFNA)	40.0	36.8		ng/L		92	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	40.0		ng/L		100	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	34.2		ng/L		86	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	39.5		ng/L		99	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	44.1		ng/L		110	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	34.8		ng/L		87	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	32.2		ng/L		91	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.4	32.5		ng/L		89	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	38.8		ng/L		102	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.1	31.6		ng/L		85	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	37.3		ng/L		97	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	39.7		ng/L		99	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	38.5		ng/L		96	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	39.7		ng/L		99	76 - 136
6:2 FTS	37.9	33.3		ng/L		88	59 - 175
8:2 FTS	38.3	36.4		ng/L		95	75 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	102		25 - 150
13C5 PFPeA	98		25 - 150
13C2 PFHxA	106		25 - 150
13C4 PFHpA	105		25 - 150
13C4 PFOA	98		25 - 150
13C5 PFNA	107		25 - 150
13C2 PFDA	101		25 - 150
13C2 PFUnA	110		25 - 150
13C2 PFDoA	105		25 - 150
13C2 PFTeDA	116		25 - 150
13C3 PFBS	103		25 - 150
18O2 PFHxS	102		25 - 150
13C4 PFOS	102		25 - 150
13C8 FOSA	98		25 - 150
d3-NMeFOSAA	104		25 - 150
d5-NEtFOSAA	99		25 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-59946-1

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

Lab Sample ID: LCS 320-369851/2-A

Matrix: Water

Analysis Batch: 370173

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 369851

Isotope Dilution	LCS		Limits
	%Recovery	Qualifier	
M2-6:2 FTS	111		25 - 150
M2-8:2 FTS	126		25 - 150

Lab Sample ID: LCSD 320-369851/3-A

Matrix: Water

Analysis Batch: 370173

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 369851

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec.		RPD	Limit
							Limits	RPD		
Perfluorobutanoic acid (PFBA)	40.0	37.2		ng/L		93	76 - 136	2		30
Perfluoropentanoic acid (PFPeA)	40.0	39.5		ng/L		99	71 - 131	4		30
Perfluorohexanoic acid (PFHxA)	40.0	40.3		ng/L		101	73 - 133	6		30
Perfluoroheptanoic acid (PFHpA)	40.0	36.0		ng/L		90	72 - 132	4		30
Perfluorooctanoic acid (PFOA)	40.0	36.9		ng/L		92	70 - 130	1		30
Perfluorononanoic acid (PFNA)	40.0	40.4		ng/L		101	75 - 135	10		30
Perfluorodecanoic acid (PFDA)	40.0	43.4		ng/L		109	76 - 136	8		30
Perfluoroundecanoic acid (PFUnA)	40.0	35.3		ng/L		88	68 - 128	3		30
Perfluorododecanoic acid (PFDoA)	40.0	43.2		ng/L		108	71 - 131	9		30
Perfluorotridecanoic acid (PFTriA)	40.0	44.9		ng/L		112	71 - 131	2		30
Perfluorotetradecanoic acid (PFTeA)	40.0	37.4		ng/L		94	70 - 130	7		30
Perfluorobutanesulfonic acid (PFBS)	35.4	34.1		ng/L		96	67 - 127	6		30
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.6		ng/L		95	59 - 119	6		30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	42.2		ng/L		111	76 - 136	9		30
Perfluorooctanesulfonic acid (PFOS)	37.1	34.7		ng/L		93	70 - 130	9		30
Perfluorodecanesulfonic acid (PFDS)	38.6	41.9		ng/L		109	71 - 131	12		30
Perfluorooctanesulfonamide (FOSA)	40.0	38.8		ng/L		97	73 - 133	2		30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	40.0		ng/L		100	76 - 136	4		30
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	40.3		ng/L		101	76 - 136	2		30
6:2 FTS	37.9	35.1		ng/L		93	59 - 175	5		30
8:2 FTS	38.3	35.8		ng/L		94	75 - 135	2		30

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C4 PFBA	100		25 - 150
13C5 PFPeA	96		25 - 150
13C2 PFHxA	102		25 - 150
13C4 PFHpA	101		25 - 150
13C4 PFOA	99		25 - 150
13C5 PFNA	99		25 - 150
13C2 PFDA	100		25 - 150
13C2 PFUnA	108		25 - 150
13C2 PFDoA	100		25 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-59946-1

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

Lab Sample ID: LCSD 320-369851/3-A

Matrix: Water

Analysis Batch: 370173

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 369851

Isotope Dilution	LCSD		Limits
	%Recovery	Qualifier	
13C2 PFTeDA	102		25 - 150
13C3 PFBS	98		25 - 150
18O2 PFHxS	98		25 - 150
13C4 PFOS	93		25 - 150
13C8 FOSA	99		25 - 150
d3-NMeFOSAA	95		25 - 150
d5-NEtFOSAA	98		25 - 150
M2-6:2 FTS	107		25 - 150
M2-8:2 FTS	128		25 - 150

Lab Sample ID: MB 320-369852/1-A

Matrix: Water

Analysis Batch: 370264

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 369852

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Perfluorobutanoic acid (PFBA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluoropentanoic acid (PFPeA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorohexanoic acid (PFHxA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluoroheptanoic acid (PFHpA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorooctanoic acid (PFOA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorononanoic acid (PFNA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorodecanoic acid (PFDA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluoroundecanoic acid (PFUnA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorododecanoic acid (PFDoA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorotridecanoic acid (PFTriA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorotetradecanoic acid (PFTeA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorobutanesulfonic acid (PFBS)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorohexanesulfonic acid (PFHxS)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorooctanesulfonic acid (PFOS)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorodecanesulfonic acid (PFDS)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
Perfluorooctanesulfonamide (FOSA)	ND		2.0		ng/L		04/03/20 11:19	04/06/20 01:13	1
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	ND		20		ng/L		04/03/20 11:19	04/06/20 01:13	1
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	ND		20		ng/L		04/03/20 11:19	04/06/20 01:13	1
6:2 FTS	ND		20		ng/L		04/03/20 11:19	04/06/20 01:13	1
8:2 FTS	ND		20		ng/L		04/03/20 11:19	04/06/20 01:13	1
	MB	MB							
Isotope Dilution	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
13C4 PFBA	108		25 - 150				04/03/20 11:19	04/06/20 01:13	1
13C5 PFPeA	99		25 - 150				04/03/20 11:19	04/06/20 01:13	1
13C2 PFHxA	107		25 - 150				04/03/20 11:19	04/06/20 01:13	1
13C4 PFHpA	108		25 - 150				04/03/20 11:19	04/06/20 01:13	1
13C4 PFOA	103		25 - 150				04/03/20 11:19	04/06/20 01:13	1
13C5 PFNA	105		25 - 150				04/03/20 11:19	04/06/20 01:13	1
13C2 PFDA	108		25 - 150				04/03/20 11:19	04/06/20 01:13	1
13C2 PFUnA	120		25 - 150				04/03/20 11:19	04/06/20 01:13	1
13C2 PFDoA	110		25 - 150				04/03/20 11:19	04/06/20 01:13	1

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-59946-1

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

Lab Sample ID: MB 320-369852/1-A

Matrix: Water

Analysis Batch: 370264

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 369852

Isotope Dilution	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
13C2 PFTeDA	116		25 - 150	04/03/20 11:19	04/06/20 01:13	1
13C3 PFBS	95		25 - 150	04/03/20 11:19	04/06/20 01:13	1
18O2 PFHxS	106		25 - 150	04/03/20 11:19	04/06/20 01:13	1
13C4 PFOS	103		25 - 150	04/03/20 11:19	04/06/20 01:13	1
13C8 FOSA	99		25 - 150	04/03/20 11:19	04/06/20 01:13	1
d3-NMeFOSAA	108		25 - 150	04/03/20 11:19	04/06/20 01:13	1
d5-NEtFOSAA	109		25 - 150	04/03/20 11:19	04/06/20 01:13	1
M2-6:2 FTS	131		25 - 150	04/03/20 11:19	04/06/20 01:13	1
M2-8:2 FTS	135		25 - 150	04/03/20 11:19	04/06/20 01:13	1

Lab Sample ID: LCS 320-369852/2-A

Matrix: Water

Analysis Batch: 370264

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 369852

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Perfluorobutanoic acid (PFBA)	40.0	35.9		ng/L		90	76 - 136
Perfluoropentanoic acid (PFPeA)	40.0	39.3		ng/L		98	71 - 131
Perfluorohexanoic acid (PFHxA)	40.0	40.5		ng/L		101	73 - 133
Perfluoroheptanoic acid (PFHpA)	40.0	34.9		ng/L		87	72 - 132
Perfluorooctanoic acid (PFOA)	40.0	37.9		ng/L		95	70 - 130
Perfluorononanoic acid (PFNA)	40.0	40.9		ng/L		102	75 - 135
Perfluorodecanoic acid (PFDA)	40.0	39.1		ng/L		98	76 - 136
Perfluoroundecanoic acid (PFUnA)	40.0	32.5		ng/L		81	68 - 128
Perfluorododecanoic acid (PFDoA)	40.0	40.9		ng/L		102	71 - 131
Perfluorotridecanoic acid (PFTriA)	40.0	43.5		ng/L		109	71 - 131
Perfluorotetradecanoic acid (PFTeA)	40.0	32.9		ng/L		82	70 - 130
Perfluorobutanesulfonic acid (PFBS)	35.4	34.1		ng/L		96	67 - 127
Perfluorohexanesulfonic acid (PFHxS)	36.4	32.9		ng/L		90	59 - 119
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	39.8		ng/L		105	76 - 136
Perfluorooctanesulfonic acid (PFOS)	37.1	32.5		ng/L		88	70 - 130
Perfluorodecanesulfonic acid (PFDS)	38.6	39.5		ng/L		102	71 - 131
Perfluorooctanesulfonamide (FOSA)	40.0	39.2		ng/L		98	73 - 133
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	36.9		ng/L		92	76 - 136
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	38.2		ng/L		95	76 - 136
6:2 FTS	37.9	30.4		ng/L		80	59 - 175
8:2 FTS	38.3	35.8		ng/L		93	75 - 135

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C4 PFBA	109		25 - 150
13C5 PFPeA	98		25 - 150

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-59946-1

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

Lab Sample ID: LCS 320-369852/2-A

Matrix: Water

Analysis Batch: 370264

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 369852

Isotope Dilution	LCS %Recovery	LCS Qualifier	Limits
13C2 PFHxA	104		25 - 150
13C4 PFHpA	106		25 - 150
13C4 PFOA	106		25 - 150
13C5 PFNA	102		25 - 150
13C2 PFDA	107		25 - 150
13C2 PFUnA	120		25 - 150
13C2 PFDoA	110		25 - 150
13C2 PFTeDA	122		25 - 150
13C3 PFBS	97		25 - 150
18O2 PFHxS	107		25 - 150
13C4 PFOS	104		25 - 150
13C8 FOSA	100		25 - 150
d3-NMeFOSAA	111		25 - 150
d5-NEtFOSAA	104		25 - 150
M2-6:2 FTS	133		25 - 150
M2-8:2 FTS	141		25 - 150

Lab Sample ID: LCSD 320-369852/3-A

Matrix: Water

Analysis Batch: 370264

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 369852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Perfluorobutanoic acid (PFBA)	40.0	35.4		ng/L		89	76 - 136	1	30
Perfluoropentanoic acid (PFPeA)	40.0	38.3		ng/L		96	71 - 131	3	30
Perfluorohexanoic acid (PFHxA)	40.0	38.4		ng/L		96	73 - 133	5	30
Perfluoroheptanoic acid (PFHpA)	40.0	35.8		ng/L		89	72 - 132	2	30
Perfluorooctanoic acid (PFOA)	40.0	37.8		ng/L		95	70 - 130	0	30
Perfluorononanoic acid (PFNA)	40.0	38.4		ng/L		96	75 - 135	6	30
Perfluorodecanoic acid (PFDA)	40.0	38.7		ng/L		97	76 - 136	1	30
Perfluoroundecanoic acid (PFUnA)	40.0	34.6		ng/L		86	68 - 128	6	30
Perfluorododecanoic acid (PFDoA)	40.0	44.2		ng/L		110	71 - 131	8	30
Perfluorotridecanoic acid (PFTriA)	40.0	47.0		ng/L		117	71 - 131	8	30
Perfluorotetradecanoic acid (PFTeA)	40.0	37.6		ng/L		94	70 - 130	13	30
Perfluorobutanesulfonic acid (PFBS)	35.4	32.8		ng/L		93	67 - 127	4	30
Perfluorohexanesulfonic acid (PFHxS)	36.4	34.1		ng/L		94	59 - 119	3	30
Perfluoroheptanesulfonic Acid (PFHpS)	38.1	40.6		ng/L		107	76 - 136	2	30
Perfluorooctanesulfonic acid (PFOS)	37.1	34.4		ng/L		93	70 - 130	6	30
Perfluorodecanesulfonic acid (PFDS)	38.6	38.3		ng/L		99	71 - 131	3	30
Perfluorooctanesulfonamide (FOSA)	40.0	38.2		ng/L		96	73 - 133	2	30
N-methylperfluorooctanesulfonamidoacetic acid (NMeFOSAA)	40.0	37.6		ng/L		94	76 - 136	2	30

Eurofins TestAmerica, Sacramento

QC Sample Results

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

Job ID: 320-59946-1

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

Lab Sample ID: LCSD 320-369852/3-A

Matrix: Water

Analysis Batch: 370264

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 369852

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
N-ethylperfluorooctanesulfonamidoacetic acid (NEtFOSAA)	40.0	36.5		ng/L		91	76 - 136	5	30
6:2 FTS	37.9	30.2		ng/L		80	59 - 175	1	30
8:2 FTS	38.3	34.1		ng/L		89	75 - 135	5	30

Isotope Dilution	LCSD %Recovery	LCSD Qualifier	Limits
13C4 PFBA	106		25 - 150
13C5 PFPeA	96		25 - 150
13C2 PFHxA	105		25 - 150
13C4 PFHpA	107		25 - 150
13C4 PFOA	102		25 - 150
13C5 PFNA	106		25 - 150
13C2 PFDA	105		25 - 150
13C2 PFUnA	113		25 - 150
13C2 PFDoA	103		25 - 150
13C2 PFTeDA	116		25 - 150
13C3 PFBS	94		25 - 150
18O2 PFHxS	103		25 - 150
13C4 PFOS	100		25 - 150
13C8 FOSA	99		25 - 150
d3-NMeFOSAA	109		25 - 150
d5-NEtFOSAA	105		25 - 150
M2-6:2 FTS	130		25 - 150
M2-8:2 FTS	133		25 - 150

QC Association Summary

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

Job ID: 320-59946-1

LCMS

Prep Batch: 369851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-59946-1	BH20200401POST-GAC	Total/NA	Water	3535	
320-59946-2	BH20200401POST-GACDUP	Total/NA	Water	3535	
320-59946-3	BH20200401PRE-GAC	Total/NA	Water	3535	
320-59946-4	BH20200401-1North-25	Total/NA	Water	3535	
320-59946-5	BH20200401-1North-50	Total/NA	Water	3535	
320-59946-6	BH20200401-1North-75	Total/NA	Water	3535	
320-59946-7	BH20200401-1MID-POINT	Total/NA	Water	3535	
320-59946-8	BH20200401-1South-25	Total/NA	Water	3535	
320-59946-9	BH20200401-1South-50	Total/NA	Water	3535	
320-59946-10	BH20200401-1South-75	Total/NA	Water	3535	
320-59946-11	BH20200401-1POST	Total/NA	Water	3535	
320-59946-12	BH20200401-2North-25	Total/NA	Water	3535	
320-59946-13	BH20200401-2North-50	Total/NA	Water	3535	
320-59946-14	BH20200401-2North-75	Total/NA	Water	3535	
320-59946-15	BH20200401-2MID-POINT	Total/NA	Water	3535	
320-59946-16	BH20200401-2South-25	Total/NA	Water	3535	
320-59946-17	BH20200401-2South-50	Total/NA	Water	3535	
320-59946-18	BH20200401-2South-75	Total/NA	Water	3535	
320-59946-19	BH20200401-2POST	Total/NA	Water	3535	
320-59946-20	BH20200401-3North-25	Total/NA	Water	3535	
MB 320-369851/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-369851/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-369851/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Prep Batch: 369852

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-59946-21	BH20200401-3North-50	Total/NA	Water	3535	
320-59946-22	BH20200401-3North-75	Total/NA	Water	3535	
320-59946-23	BH20200401-3MID-POINT	Total/NA	Water	3535	
320-59946-24	BH20200401-3South-25	Total/NA	Water	3535	
320-59946-25	BH20200401-3South-50	Total/NA	Water	3535	
320-59946-26	BH20200401-3South-75	Total/NA	Water	3535	
320-59946-27	BH20200401-3POST	Total/NA	Water	3535	
320-59946-28	BH20200401-1RAW	Total/NA	Water	3535	
320-59946-29	BH20200401-2RAW	Total/NA	Water	3535	
320-59946-30	BH20200401-3RAW	Total/NA	Water	3535	
MB 320-369852/1-A	Method Blank	Total/NA	Water	3535	
LCS 320-369852/2-A	Lab Control Sample	Total/NA	Water	3535	
LCSD 320-369852/3-A	Lab Control Sample Dup	Total/NA	Water	3535	

Analysis Batch: 370173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-59946-1	BH20200401POST-GAC	Total/NA	Water	537 (modified)	369851
320-59946-2	BH20200401POST-GACDUP	Total/NA	Water	537 (modified)	369851
320-59946-3	BH20200401PRE-GAC	Total/NA	Water	537 (modified)	369851
320-59946-4	BH20200401-1North-25	Total/NA	Water	537 (modified)	369851
320-59946-5	BH20200401-1North-50	Total/NA	Water	537 (modified)	369851
320-59946-6	BH20200401-1North-75	Total/NA	Water	537 (modified)	369851
320-59946-7	BH20200401-1MID-POINT	Total/NA	Water	537 (modified)	369851
320-59946-8	BH20200401-1South-25	Total/NA	Water	537 (modified)	369851
320-59946-9	BH20200401-1South-50	Total/NA	Water	537 (modified)	369851

Eurofins TestAmerica, Sacramento

QC Association Summary

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

Job ID: 320-59946-1

LCMS (Continued)

Analysis Batch: 370173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-59946-10	BH20200401-1South-75	Total/NA	Water	537 (modified)	369851
320-59946-11	BH20200401-1POST	Total/NA	Water	537 (modified)	369851
320-59946-12	BH20200401-2North-25	Total/NA	Water	537 (modified)	369851
320-59946-13	BH20200401-2North-50	Total/NA	Water	537 (modified)	369851
320-59946-14	BH20200401-2North-75	Total/NA	Water	537 (modified)	369851
320-59946-15	BH20200401-2MID-POINT	Total/NA	Water	537 (modified)	369851
320-59946-16	BH20200401-2South-25	Total/NA	Water	537 (modified)	369851
320-59946-17	BH20200401-2South-50	Total/NA	Water	537 (modified)	369851
320-59946-18	BH20200401-2South-75	Total/NA	Water	537 (modified)	369851
320-59946-19	BH20200401-2POST	Total/NA	Water	537 (modified)	369851
320-59946-20	BH20200401-3North-25	Total/NA	Water	537 (modified)	369851
MB 320-369851/1-A	Method Blank	Total/NA	Water	537 (modified)	369851
LCS 320-369851/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	369851
LCSD 320-369851/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	369851

Analysis Batch: 370264

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
320-59946-21	BH20200401-3North-50	Total/NA	Water	537 (modified)	369852
320-59946-22	BH20200401-3North-75	Total/NA	Water	537 (modified)	369852
320-59946-23	BH20200401-3MID-POINT	Total/NA	Water	537 (modified)	369852
320-59946-24	BH20200401-3South-25	Total/NA	Water	537 (modified)	369852
320-59946-25	BH20200401-3South-50	Total/NA	Water	537 (modified)	369852
320-59946-26	BH20200401-3South-75	Total/NA	Water	537 (modified)	369852
320-59946-27	BH20200401-3POST	Total/NA	Water	537 (modified)	369852
320-59946-28	BH20200401-1RAW	Total/NA	Water	537 (modified)	369852
320-59946-29	BH20200401-2RAW	Total/NA	Water	537 (modified)	369852
320-59946-30	BH20200401-3RAW	Total/NA	Water	537 (modified)	369852
MB 320-369852/1-A	Method Blank	Total/NA	Water	537 (modified)	369852
LCS 320-369852/2-A	Lab Control Sample	Total/NA	Water	537 (modified)	369852
LCSD 320-369852/3-A	Lab Control Sample Dup	Total/NA	Water	537 (modified)	369852

Lab Chronicle

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

Job ID: 320-59946-1

Client Sample ID: BH20200401POST-GAC

Lab Sample ID: 320-59946-1

Date Collected: 04/01/20 09:05

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			273.4 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/04/20 23:43	D1R	TAL SAC

Client Sample ID: BH20200401POST-GACDUP

Lab Sample ID: 320-59946-2

Date Collected: 04/01/20 09:06

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			278.6 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/04/20 23:53	D1R	TAL SAC

Client Sample ID: BH20200401PRE-GAC

Lab Sample ID: 320-59946-3

Date Collected: 04/01/20 09:08

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			277.4 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 00:03	D1R	TAL SAC

Client Sample ID: BH20200401-1North-25

Lab Sample ID: 320-59946-4

Date Collected: 04/01/20 09:25

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			279.9 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 00:13	D1R	TAL SAC

Client Sample ID: BH20200401-1North-50

Lab Sample ID: 320-59946-5

Date Collected: 04/01/20 09:27

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			268 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 00:23	D1R	TAL SAC

Client Sample ID: BH20200401-1North-75

Lab Sample ID: 320-59946-6

Date Collected: 04/01/20 09:28

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 00:33	D1R	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-1MID-POINT

Lab Sample ID: 320-59946-7

Date Collected: 04/01/20 09:30

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			267.8 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 00:43	D1R	TAL SAC

Client Sample ID: BH20200401-1South-25

Lab Sample ID: 320-59946-8

Date Collected: 04/01/20 09:34

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			282.5 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 01:13	D1R	TAL SAC

Client Sample ID: BH20200401-1South-50

Lab Sample ID: 320-59946-9

Date Collected: 04/01/20 09:36

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			291.2 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 01:23	D1R	TAL SAC

Client Sample ID: BH20200401-1South-75

Lab Sample ID: 320-59946-10

Date Collected: 04/01/20 09:38

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			283.9 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 01:33	D1R	TAL SAC

Client Sample ID: BH20200401-1POST

Lab Sample ID: 320-59946-11

Date Collected: 04/01/20 09:40

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			270.4 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 01:43	D1R	TAL SAC

Client Sample ID: BH20200401-2North-25

Lab Sample ID: 320-59946-12

Date Collected: 04/01/20 09:47

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			257.4 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 01:53	D1R	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2North-50

Lab Sample ID: 320-59946-13

Date Collected: 04/01/20 09:49

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			274 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 02:03	D1R	TAL SAC

Client Sample ID: BH20200401-2North-75

Lab Sample ID: 320-59946-14

Date Collected: 04/01/20 09:51

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			272.4 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 02:14	D1R	TAL SAC

Client Sample ID: BH20200401-2MID-POINT

Lab Sample ID: 320-59946-15

Date Collected: 04/01/20 09:53

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 02:23	D1R	TAL SAC

Client Sample ID: BH20200401-2South-25

Lab Sample ID: 320-59946-16

Date Collected: 04/01/20 09:58

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			282.6 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 02:34	D1R	TAL SAC

Client Sample ID: BH20200401-2South-50

Lab Sample ID: 320-59946-17

Date Collected: 04/01/20 10:00

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			272.1 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 02:43	D1R	TAL SAC

Client Sample ID: BH20200401-2South-75

Lab Sample ID: 320-59946-18

Date Collected: 04/01/20 10:01

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			291.1 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 03:13	D1R	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-2POST

Lab Sample ID: 320-59946-19

Date Collected: 04/01/20 10:03

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			279.7 mL	10.00 mL	369851	04/03/20 11:14	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 03:24	D1R	TAL SAC

Client Sample ID: BH20200401-3North-25

Lab Sample ID: 320-59946-20

Date Collected: 04/01/20 10:09

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			279.3 mL	10.00 mL	369851	04/03/20 11:15	BHT	TAL SAC
Total/NA	Analysis	537 (modified)		1			370173	04/05/20 03:33	D1R	TAL SAC

Client Sample ID: BH20200401-3North-50

Lab Sample ID: 320-59946-21

Date Collected: 04/01/20 10:11

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			265.8 mL	10.00 mL	369852	04/03/20 11:19	JCN	TAL SAC
Total/NA	Analysis	537 (modified)		1			370264	04/06/20 01:43	D1R	TAL SAC

Client Sample ID: BH20200401-3North-75

Lab Sample ID: 320-59946-22

Date Collected: 04/01/20 10:12

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			270.6 mL	10.00 mL	369852	04/03/20 11:19	JCN	TAL SAC
Total/NA	Analysis	537 (modified)		1			370264	04/06/20 01:53	D1R	TAL SAC

Client Sample ID: BH20200401-3MID-POINT

Lab Sample ID: 320-59946-23

Date Collected: 04/01/20 10:15

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			275.5 mL	10.00 mL	369852	04/03/20 11:19	JCN	TAL SAC
Total/NA	Analysis	537 (modified)		1			370264	04/06/20 02:03	D1R	TAL SAC

Client Sample ID: BH20200401-3South-25

Lab Sample ID: 320-59946-24

Date Collected: 04/01/20 10:19

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			266.6 mL	10.00 mL	369852	04/03/20 11:19	JCN	TAL SAC
Total/NA	Analysis	537 (modified)		1			370264	04/06/20 02:13	D1R	TAL SAC

Eurofins TestAmerica, Sacramento

Lab Chronicle

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

Job ID: 320-59946-1

Client Sample ID: BH20200401-3South-50

Lab Sample ID: 320-59946-25

Date Collected: 04/01/20 10:21

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			276 mL	10.00 mL	369852	04/03/20 11:19	JCN	TAL SAC
Total/NA	Analysis	537 (modified)		1			370264	04/06/20 02:23	D1R	TAL SAC

Client Sample ID: BH20200401-3South-75

Lab Sample ID: 320-59946-26

Date Collected: 04/01/20 10:23

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			282.9 mL	10.00 mL	369852	04/03/20 11:19	JCN	TAL SAC
Total/NA	Analysis	537 (modified)		1			370264	04/06/20 02:33	D1R	TAL SAC

Client Sample ID: BH20200401-3POST

Lab Sample ID: 320-59946-27

Date Collected: 04/01/20 10:25

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			273.6 mL	10.00 mL	369852	04/03/20 11:19	JCN	TAL SAC
Total/NA	Analysis	537 (modified)		1			370264	04/06/20 02:43	D1R	TAL SAC

Client Sample ID: BH20200401-1RAW

Lab Sample ID: 320-59946-28

Date Collected: 04/01/20 10:44

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			293.5 mL	10.00 mL	369852	04/03/20 11:19	JCN	TAL SAC
Total/NA	Analysis	537 (modified)		1			370264	04/06/20 03:13	D1R	TAL SAC

Client Sample ID: BH20200401-2RAW

Lab Sample ID: 320-59946-29

Date Collected: 04/01/20 11:00

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			289.8 mL	10.00 mL	369852	04/03/20 11:19	JCN	TAL SAC
Total/NA	Analysis	537 (modified)		1			370264	04/06/20 03:23	D1R	TAL SAC

Client Sample ID: BH20200401-3RAW

Lab Sample ID: 320-59946-30

Date Collected: 04/01/20 11:15

Matrix: Water

Date Received: 04/02/20 09:20

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3535			293.8 mL	10.00 mL	369852	04/03/20 11:19	JCN	TAL SAC
Total/NA	Analysis	537 (modified)		1			370264	04/06/20 03:33	D1R	TAL SAC

Laboratory References:

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

Eurofins TestAmerica, Sacramento

Accreditation/Certification Summary

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

Job ID: 320-59946-1

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: 320-59946-1

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: 320-59946-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
320-59946-1	BH20200401POST-GAC	Water	04/01/20 09:05	04/02/20 09:20	
320-59946-2	BH20200401POST-GACDUP	Water	04/01/20 09:06	04/02/20 09:20	
320-59946-3	BH20200401PRE-GAC	Water	04/01/20 09:08	04/02/20 09:20	
320-59946-4	BH20200401-1North-25	Water	04/01/20 09:25	04/02/20 09:20	
320-59946-5	BH20200401-1North-50	Water	04/01/20 09:27	04/02/20 09:20	
320-59946-6	BH20200401-1North-75	Water	04/01/20 09:28	04/02/20 09:20	
320-59946-7	BH20200401-1MID-POINT	Water	04/01/20 09:30	04/02/20 09:20	
320-59946-8	BH20200401-1South-25	Water	04/01/20 09:34	04/02/20 09:20	
320-59946-9	BH20200401-1South-50	Water	04/01/20 09:36	04/02/20 09:20	
320-59946-10	BH20200401-1South-75	Water	04/01/20 09:38	04/02/20 09:20	
320-59946-11	BH20200401-1POST	Water	04/01/20 09:40	04/02/20 09:20	
320-59946-12	BH20200401-2North-25	Water	04/01/20 09:47	04/02/20 09:20	
320-59946-13	BH20200401-2North-50	Water	04/01/20 09:49	04/02/20 09:20	
320-59946-14	BH20200401-2North-75	Water	04/01/20 09:51	04/02/20 09:20	
320-59946-15	BH20200401-2MID-POINT	Water	04/01/20 09:53	04/02/20 09:20	
320-59946-16	BH20200401-2South-25	Water	04/01/20 09:58	04/02/20 09:20	
320-59946-17	BH20200401-2South-50	Water	04/01/20 10:00	04/02/20 09:20	
320-59946-18	BH20200401-2South-75	Water	04/01/20 10:01	04/02/20 09:20	
320-59946-19	BH20200401-2POST	Water	04/01/20 10:03	04/02/20 09:20	
320-59946-20	BH20200401-3North-25	Water	04/01/20 10:09	04/02/20 09:20	
320-59946-21	BH20200401-3North-50	Water	04/01/20 10:11	04/02/20 09:20	
320-59946-22	BH20200401-3North-75	Water	04/01/20 10:12	04/02/20 09:20	
320-59946-23	BH20200401-3MID-POINT	Water	04/01/20 10:15	04/02/20 09:20	
320-59946-24	BH20200401-3South-25	Water	04/01/20 10:19	04/02/20 09:20	
320-59946-25	BH20200401-3South-50	Water	04/01/20 10:21	04/02/20 09:20	
320-59946-26	BH20200401-3South-75	Water	04/01/20 10:23	04/02/20 09:20	
320-59946-27	BH20200401-3POST	Water	04/01/20 10:25	04/02/20 09:20	
320-59946-28	BH20200401-1RAW	Water	04/01/20 10:44	04/02/20 09:20	
320-59946-29	BH20200401-2RAW	Water	04/01/20 11:00	04/02/20 09:20	
320-59946-30	BH20200401-3RAW	Water	04/01/20 11:15	04/02/20 09:20	

880 Riverside Parkway
West Sacramento, CA 95605
Phone: 916-373-5600 Fax: 916-372-1059

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		Lab PM: Stone, Judy L E-Mail: judy.stone@testamericainc.com Carrier Tracking No(s): 480-144202-32107.1 Page: Page 1 of 3		Due Date Requested: TAT Requested (days): Standard PO #: 518-402-9813 (Tel) Callout ID: 137349 WO #: 48020960 Project #: 48020960 SOW#:	
Sample Identification		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Anchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDTA M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4.5 Z - other (specify)	
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Client Information						Lab PM: Stone, Judy L		Carrier Tracking No(s)		COC No: 480-144202-32107.2	
Client Contact: Jeffrey Redfield						Phone:				Page: Page 2 of 3	
Company: ARCADIS U.S. Inc.						E-Mail: judy.stone@testamericainc.com		Job #:			
Address: 855 Route 146 Suite 210 City: Clifton Park State, Zip: NY, 12065 Phone: 518-402-9813(Tel) Email: jeffrey.redfield@arcadis.com						Due Date Requested: TAT Requested (days): Standard		Analysis Requested		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: M - Hexane N - None O - AsNaO2 P - Na2OAS Q - Na2SO3 R - Na2SO4 S - H2SO4 T - TSP Dodecahydrate U - MCAA V - pH 4-5 W - other (specify)	
Project Name: Stewart ANGB - Butterhill #336089						Callout ID: 137349		Field Filtered Sample (Yes or No)		Total Number of Containers	Special Instructions/Note:
Site:						WO #:		Perform MS/MSD (Yes or No)			
Sample Identification						Sample Date		Sample Time		Matrix	
BH20200401-2 North-25						4/1/20		0947		Water	
BH20200401-2 North-50						4/1/20		0949		Water	
BH20200401-2 North-75						4/1/20		0951		Water	
BH20200401-3 MID-POINT						4/1/20		0953		Water	
BH20200401-2 South-25						4/1/20		0958		Water	
BH20200401-2 South-50						4/1/20		1000		Water	
BH20200401-2 South-75						4/1/20		1001		Water	
BH20200401-2 POST						4/1/20		1003		Water	
BH20200401-3 North-25						4/1/20		1009		Water	
BH20200401-3 North-50						4/1/20		1011		Water	
BH20200401-3 North-75						4/1/20		1012		Water	
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		Special Instructions/QC Requirements:			
Deliverable Requested: I, II, III, IV, Other (specify)						Date:		Time:		Method of Shipment:	
Empty Kit Relinquished by:						Date/Time:		Company:		Received by:	
Relinquished by:						Date/Time:		Company:		Received by:	
Relinquished by:						Date/Time:		Company:		Received by:	
Custody Seal No.: 1178494 / 1321763						Date/Time:		Company:		Received by:	
Custody Seal Intact: Yes A No						Date/Time:		Company:		Received by:	

Login Sample Receipt Checklist

Client: New York State D.E.C.

Job Number: 320-59946-1

Login Number: 59946

List Source: Eurofins TestAmerica, Sacramento

List Number: 1

Creator: Oropeza, Salvador

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	1138494/1321763
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	Refer to job narrative for details
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	