



**Georgia-Pacific
Broadway LLC**

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Green Bay, WI 54307-9130
(920) 435-8821
www.gp.com

July 14, 2022

Submitted via Email & Uploaded to BRRTS

Mr. Keld Lauridsen
Hydrogeologist
Wisconsin Department of Natural Resources
2984 Shawano Avenue
Green Bay, WI 54313-6727

**RE: Georgia-Pacific Broadway LLC (GP)
Submission of PFAS Soil and Groundwater Results for
BRRTS #: 02-05-586429**

Dear Mr. Lauridsen:

Please see attached PFAS groundwater monitoring and soil laboratory results from the Georgia-Pacific Broadway LLC (GP) PFAS Site Investigation (BRRTS #: 02-05-586429) that are being submitted as required under Wisconsin Administrative Code (WAC) NR 716.14.

As specified in the Site Investigation Work Plan submitted January 26, 2022, four of the proposed five additional groundwater monitoring wells were installed at the GP facility during the week of May 2, 2022, along with the collection of soil samples from the soil cores for each well installed. Additionally, groundwater samples were collected from all existing monitoring wells including the newly installed wells. The facility did attempt installation of the fifth groundwater monitoring well at two different locations to serve as a north/northwestern delineation point of the site, but both would not have resulted in a viable groundwater monitoring well. However, after discussion between GP and WDNR, the facility was able to sample from an existing groundwater monitoring well (MW GP-02) that was installed as part of a separate BRRTS investigation and would serve as that north/northwestern delineation point.

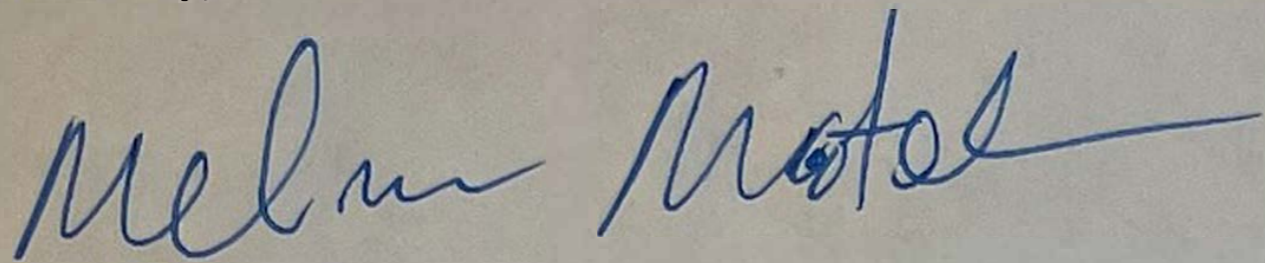
The soil sample results were received on 6/29/22 and the groundwater results were received on 7/8/22. Both laboratory reports are attached along with a map showing the locations of all groundwater monitoring wells.

GP will provide a Site Investigation Summary Report within 60 days of receipt of the analytical results. Additionally, another round of groundwater monitoring is anticipated to be completed in early August 2022.

If you have any questions or concerns about these groundwater monitoring results, please do not hesitate to contact me via email at melissa.mrotek@gapac.com or by phone at 920-438-2233.

Sincerely,

Sincerely,



Melissa Mrotek
Senior Environmental Manager
Georgia-Pacific LLC





cc via email:

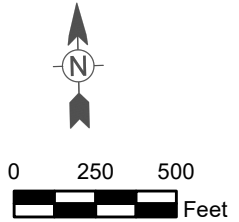
Mike Savale – Tetra Tech

Jackie Beaulieu – GP



Map Source: 2013 National Geographic Society

-  Approximate Site Boundary
-  Existing Monitoring Well
-  2022 Monitoring Well & Soil Boring
-  2022 Soil Boring



Tt TETRA TECH
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2022 PFAS INVESTIGATION
 GEORGIA-PACIFIC BROADWAY FACILITY
 GREEN BAY, WISCONSIN
SAMPLE LOCATIONS

Project No: 117-4124237
 Designed by: ARR
 Date: 7/14/2022
FIGURE 1

Bar Measures 1 inch

June 28, 2022

Vista Work Order No. 2205095

Mr. Michael Savale
Tetra Tech
710 Avis Drive, Suite 100
Ann Arbor, MI 48108

Dear Mr. Savale,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 10, 2022 under your Project Name 'GP Broadway Mill'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at jfox@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

July 06, 2022

Vista Work Order No. 2205093

Mr. Michael Savale
Tetra Tech
710 Avis Drive, Suite 100
Ann Arbor, MI 48108

Dear Mr. Savale,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 10, 2022 under your Project Name 'GP Broadway Mill'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at jfox@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Jamie Fox
Laboratory Director



Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 2205093

Case Narrative

Sample Condition on Receipt:

Twenty water samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements. No collection times were noted on the Chain-of-Custody (CoC) for samples "DUP-01" and "DUP-02"; the collection time has been reported as 00:00. The collection time for sample "Field blank-2" was listed as "08:05" on the container label. A sample ID discrepancy was noted for sample "MW-20-02" between the container label and the CoC. The sample ID has been reported as listed on the CoC.

Analytical Notes:

PFAS Isotope Dilution Method

Sample "MW-20-02" contained particulate and was centrifuged prior to extraction.

The samples were extracted and analyzed for a selected list of PFAS using Vista's PFAS Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limit. The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2205093-01	MW-20-02	PFAS Isotope Dilution Method	13C3-PFBA	H	8.90
2205093-06	MW-21-07	PFAS Isotope Dilution Method	d3-MeFOSA	H	8.50
2205093-06	MW-21-07	PFAS Isotope Dilution Method	d5-EtFOSA	H	8.00
2205093-10	MW-21-11	PFAS Isotope Dilution Method	13C3-PFBA	H	3.10
2205093-10	MW-21-11	PFAS Isotope Dilution Method	13C3-PFPeA	H	19.6

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2205093-01	MW-20-02	03-May-22 09:15	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-02	MW-20-03	02-May-22 14:15	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-03	MW-21-04	04-May-22 09:10	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-04	MW-21-05	03-May-22 12:05	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-05	MW-21-06	03-May-22 14:15	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-06	MW-21-07	03-May-22 14:55	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-07	MW-21-08	02-May-22 15:35	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-08	MW-21-09	02-May-22 15:50	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-09	MW-21-10	03-May-22 10:50	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-10	MW-21-11	03-May-22 10:00	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-11	MW-22-15	03-May-22 16:20	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-12	DUP-01	03-May-22 00:00	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-13	DUP-02	04-May-22 00:00	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-14	Equipment blank-1	02-May-22 11:55	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-15	Equipment blank-2	03-May-22 08:00	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-16	Field blank-1	02-May-22 11:53	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-17	Field blank-2	03-May-22 08:06	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-18	MW-22-13	05-May-22 09:00	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-19	MW-22-14	05-May-22 10:45	10-May-22 09:16	HDPE Bottle, 250 mL
2205093-20	MW-22-12	05-May-22 12:10	10-May-22 09:16	HDPE Bottle, 250 mL

ANALYTICAL RESULTS

Sample ID: Method Blank
PFAS Isotope Dilution Method

Client Data				Laboratory Data						
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	B22E116-BLK1	Column:	BEH C18			
Project:	GP Broadway Mill									

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<1.01	1.01	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFPeA	2706-90-3	<0.755	0.755	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFBS	375-73-5	<0.905	0.905	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
4:2 FTS	757124-72-4	<0.950	0.950	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFHxA	307-24-4	<0.815	0.815	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFPeS	2706-91-4	<0.820	0.820	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
HFPO-DA	13252-13-6	<1.57	1.57	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFHpA	375-85-9	<0.935	0.935	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
ADONA	919005-14-4	<0.640	0.640	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFHxS	355-46-4	<1.03	1.03	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
6:2 FTS	27619-97-2	<1.13	1.13	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFOA	335-67-1	<0.955	0.955	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFHpS	375-92-8	<0.595	0.595	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFNA	375-95-1	<0.755	0.755	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFOSA	754-91-6	<1.09	1.09	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFOS	1763-23-1	<1.13	1.13	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
9Cl-PF3ONS	756426-58-1	<1.07	1.07	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFDA	335-76-2	<0.945	0.945	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
8:2 FTS	39108-34-4	<1.14	1.14	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFNS	68259-12-1	<1.16	1.16	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
MeFOSAA	2355-31-9	<0.950	0.950	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
EtFOSAA	2991-50-6	<1.04	1.04	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFUnA	2058-94-8	<0.755	0.755	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFDS	335-77-3	<0.760	0.760	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
11Cl-PF3OUdS	763051-92-9	<0.990	0.990	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFDoA	307-55-1	<0.975	0.975	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
MeFOSA	31506-32-8	<2.24	2.24	2.50		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFTTrDA	72629-94-8	<0.655	0.655	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFDoS	79780-39-5	<1.42	1.42	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
PFTeDA	376-06-7	<0.815	0.815	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
EtFOSA	4151-50-2	<2.33	2.33	2.50		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
MeFOSE	24448-09-7	<2.00	2.00	2.50		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
EtFOSE	1691-99-2	<1.57	1.57	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	130	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C3-PFPeA	IS	94.6	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C3-PFBS	IS	102	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C2-4:2 FTS	IS	83.1	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1

Sample ID: Method Blank
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	B22E116-BLK1	Column:	BEH C18
Project:	GP Broadway Mill						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxA	IS	95.4	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C3-HFPO-DA	IS	88.5	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C4-PFHpA	IS	94.0	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C3-PFHxS	IS	92.0	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C2-6:2 FTS	IS	83.9	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C2-PFOA	IS	87.5	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C5-PFNA	IS	84.2	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C8-PFOA	IS	52.0	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C8-PFOS	IS	86.2	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C2-PFDA	IS	84.3	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C2-8:2 FTS	IS	88.3	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
d3-MeFOSAA	IS	82.2	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
d5-EtFOSAA	IS	74.8	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C2-PFUnA	IS	83.5	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C2-PFDoA	IS	81.1	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
d3-MeFOSA	IS	15.3	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
13C2-PFTeDA	IS	79.0	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
d5-EtFOSA	IS	16.1	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
d7-MeFOSE	IS	33.9	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1
d9-EtFOSE	IS	33.9	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 13:53	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data					Laboratory Data				
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	B22E116-BS1	Column:	BEH C18		
Project:	GP Broadway Mill								

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.86	4.00	96.6	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFPeA	2706-90-3	3.95	4.00	98.8	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFBS	375-73-5	4.03	4.00	101	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
4:2 FTS	757124-72-4	4.20	4.00	105	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFHxA	307-24-4	3.78	4.00	94.5	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFPeS	2706-91-4	3.27	4.00	81.7	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
HFPO-DA	13252-13-6	3.77	4.00	94.2	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFHpA	375-85-9	3.97	4.00	99.1	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
ADONA	919005-14-4	4.25	4.00	106	50 - 150	Q	B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFHxS	355-46-4	4.67	4.00	117	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
6:2 FTS	27619-97-2	4.21	4.00	105	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFOA	335-67-1	3.47	4.00	86.6	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFHpS	375-92-8	4.23	4.00	106	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFNA	375-95-1	4.07	4.00	102	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFOSA	754-91-6	4.19	4.00	105	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFOS	1763-23-1	4.47	4.00	112	50 - 150	Q	B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
9Cl-PF3ONS	756426-58-1	3.56	4.00	88.9	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFDA	335-76-2	3.66	4.00	91.5	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
8:2 FTS	39108-34-4	3.58	4.00	89.6	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFNS	68259-12-1	4.35	4.00	109	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
MeFOSAA	2355-31-9	2.71	4.00	67.7	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
EtFOSAA	2991-50-6	4.06	4.00	101	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFUnA	2058-94-8	3.93	4.00	98.3	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFDS	335-77-3	4.17	4.00	104	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
11Cl-PF3OUdS	763051-92-9	4.22	4.00	105	50 - 150	Q	B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFDoA	307-55-1	3.80	4.00	95.1	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
MeFOSA	31506-32-8	4.94	4.00	124	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFTTrDA	72629-94-8	4.13	4.00	103	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFDoS	79780-39-5	4.07	4.00	102	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
PFTeDA	376-06-7	3.84	4.00	96.1	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
EtFOSA	4151-50-2	2.78	4.00	69.4	50 - 150	Q	B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
MeFOSE	24448-09-7	5.67	4.00	142	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
EtFOSE	1691-99-2	3.11	4.00	77.8	50 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
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Sample ID: OPR
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	B22E116-BS1	Column:	BEH C18
Project:	GP Broadway Mill						

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	130	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C3-PFPeA	IS	98.0	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C3-PFBS	IS	104	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C2-4:2 FTS	IS	92.1	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C2-PFHxA	IS	101	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C3-HFPO-DA	IS	103	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C4-PFHpA	IS	92.3	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C3-PFHxS	IS	87.6	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C2-6:2 FTS	IS	103	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C2-PFOA	IS	97.1	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C5-PFNA	IS	85.7	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C8-PFOSA	IS	52.2	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C8-PFOS	IS	89.7	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C2-PFDA	IS	90.4	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C2-8:2 FTS	IS	82.1	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
d3-MeFOSAA	IS	79.2	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
d5-EtFOSAA	IS	82.2	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C2-PFUnA	IS	86.8	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C2-PFDoA	IS	84.5	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
d3-MeFOSA	IS	21.1	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
13C2-PFTeDA	IS	84.5	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
d5-EtFOSA	IS	21.7	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
d7-MeFOSE	IS	34.3	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1
d9-EtFOSE	IS	34.3	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:03	1

Sample ID: MW-20-02

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-01	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 09:15	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.993	0.993	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFPeA	2706-90-3	61.2	0.743	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFBS	375-73-5	2.61	0.890	1.97	Q	B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
4:2 FTS	757124-72-4	<0.934	0.934	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFHxA	307-24-4	148	0.802	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFPeS	2706-91-4	<0.806	0.806	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
HFPO-DA	13252-13-6	<1.54	1.54	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFHpA	375-85-9	37.4	0.920	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
ADONA	919005-14-4	<0.629	0.629	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFHxS	355-46-4	5.14	1.01	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
6:2 FTS	27619-97-2	<1.11	1.11	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFOA	335-67-1	75.8	0.939	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFHpS	375-92-8	<0.585	0.585	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFNA	375-95-1	5.09	0.743	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFOSA	754-91-6	<1.07	1.07	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFOS	1763-23-1	7.47	1.11	1.97	Q	B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
9Cl-PF3ONS	756426-58-1	<1.05	1.05	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFDA	335-76-2	<0.929	0.929	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
8:2 FTS	39108-34-4	<1.12	1.12	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFNS	68259-12-1	<1.14	1.14	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
MeFOSAA	2355-31-9	<0.934	0.934	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
EtFOSAA	2991-50-6	30.8	1.02	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFUnA	2058-94-8	<0.743	0.743	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFDS	335-77-3	<0.747	0.747	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
11Cl-PF3OUdS	763051-92-9	<0.974	0.974	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFDoA	307-55-1	<0.959	0.959	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
MeFOSA	31506-32-8	<2.20	2.20	2.46		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFTTrDA	72629-94-8	<0.644	0.644	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFDoS	79780-39-5	<1.39	1.39	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
PFTeDA	376-06-7	<0.802	0.802	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
EtFOSA	4151-50-2	<2.29	2.29	2.46		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
MeFOSE	24448-09-7	<1.97	1.97	2.46		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
EtFOSE	1691-99-2	<1.54	1.54	1.97		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	8.90	25 - 150	H	B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C3-PFPeA	IS	48.4	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C3-PFBS	IS	88.0	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1

Sample ID: MW-20-02
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-01	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 09:15	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	82.7	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C2-PFHxA	IS	73.2	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C3-HFPO-DA	IS	62.7	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C4-PFHpA	IS	90.5	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C3-PFHxS	IS	92.0	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C2-6:2 FTS	IS	116	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C2-PFOA	IS	90.1	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C5-PFNA	IS	88.0	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C8-PFOA	IS	70.4	10 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C8-PFOS	IS	78.5	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C2-PFDA	IS	82.0	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C2-8:2 FTS	IS	98.9	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
d3-MeFOSAA	IS	90.4	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
d5-EtFOSAA	IS	102	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C2-PFUnA	IS	87.9	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C2-PFDoA	IS	83.5	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
d3-MeFOSA	IS	36.8	10 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
13C2-PFTeDA	IS	54.4	25 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
d5-EtFOSA	IS	36.1	10 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
d7-MeFOSE	IS	36.7	10 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1
d9-EtFOSE	IS	37.5	10 - 150		B22E116	26-May-22	0.254 L	01-Jun-22 14:14	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-20-03
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-02	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 14:15	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	5.96	1.01	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFPeA	2706-90-3	6.79	0.756	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFBS	375-73-5	1.99	0.906	2.00	J	B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
4:2 FTS	757124-72-4	<0.951	0.951	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFHxA	307-24-4	7.47	0.816	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFPeS	2706-91-4	<0.821	0.821	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
HFPO-DA	13252-13-6	<1.57	1.57	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFHpA	375-85-9	3.62	0.936	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
ADONA	919005-14-4	<0.641	0.641	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFHxS	355-46-4	1.78	1.03	2.00	J	B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
6:2 FTS	27619-97-2	5.76	1.13	2.00	Q	B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFOA	335-67-1	16.6	0.956	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFHpS	375-92-8	1.01	0.596	2.00	J	B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFNA	375-95-1	2.78	0.756	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFOSA	754-91-6	9.99	1.09	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFOS	1763-23-1	89.6	1.13	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
9Cl-PF3ONS	756426-58-1	<1.07	1.07	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFDA	335-76-2	1.49	0.946	2.00	J	B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
8:2 FTS	39108-34-4	<1.14	1.14	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFNS	68259-12-1	<1.16	1.16	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
MeFOSAA	2355-31-9	<0.951	0.951	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
EtFOSAA	2991-50-6	14.7	1.04	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFUnA	2058-94-8	<0.756	0.756	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFDS	335-77-3	<0.761	0.761	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
11Cl-PF3OUdS	763051-92-9	<0.991	0.991	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFDoA	307-55-1	<0.976	0.976	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
MeFOSA	31506-32-8	<2.24	2.24	2.50		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFTTrDA	72629-94-8	<0.656	0.656	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFDoS	79780-39-5	<1.42	1.42	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
PFTeDA	376-06-7	<0.816	0.816	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
EtFOSA	4151-50-2	<2.33	2.33	2.50		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
MeFOSE	24448-09-7	<2.00	2.00	2.50		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
EtFOSE	1691-99-2	<1.57	1.57	2.00		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	118	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C3-PFPeA	IS	95.4	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C3-PFBS	IS	109	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1

Sample ID: MW-20-03
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-02	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 14:15	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	96.7	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C2-PFHxA	IS	95.1	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C3-HFPO-DA	IS	96.5	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C4-PFHpA	IS	96.8	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C3-PFHxS	IS	97.8	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C2-6:2 FTS	IS	96.1	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C2-PFOA	IS	94.6	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C5-PFNA	IS	88.8	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C8-PFOA	IS	74.8	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C8-PFOS	IS	85.5	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C2-PFDA	IS	91.0	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C2-8:2 FTS	IS	81.1	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
d3-MeFOSAA	IS	92.2	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
d5-EtFOSAA	IS	87.8	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C2-PFUnA	IS	90.3	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C2-PFDoA	IS	86.9	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
d3-MeFOSA	IS	45.7	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
13C2-PFTeDA	IS	80.3	25 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
d5-EtFOSA	IS	43.3	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
d7-MeFOSE	IS	63.4	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1
d9-EtFOSE	IS	64.5	10 - 150		B22E116	26-May-22	0.250 L	01-Jun-22 14:24	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-21-04
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-03	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	04-May-22 09:10	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	7.48	1.02	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFPeA	2706-90-3	6.57	0.765	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFBS	375-73-5	1.74	0.917	2.03	J	B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
4:2 FTS	757124-72-4	<0.963	0.963	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFHxA	307-24-4	2.94	0.826	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFPeS	2706-91-4	<0.831	0.831	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
HFPO-DA	13252-13-6	<1.59	1.59	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFHpA	375-85-9	<0.948	0.948	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
ADONA	919005-14-4	<0.649	0.649	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFHxS	355-46-4	<1.04	1.04	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
6:2 FTS	27619-97-2	<1.14	1.14	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFOA	335-67-1	<0.968	0.968	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFHpS	375-92-8	<0.603	0.603	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFNA	375-95-1	<0.765	0.765	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFOSA	754-91-6	1.50	1.10	2.03	J, Q	B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFOS	1763-23-1	<1.15	1.15	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
9Cl-PF3ONS	756426-58-1	<1.08	1.08	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFDA	335-76-2	<0.958	0.958	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
8:2 FTS	39108-34-4	<1.15	1.15	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFNS	68259-12-1	<1.17	1.17	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
MeFOSAA	2355-31-9	<0.963	0.963	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
EtFOSAA	2991-50-6	<1.05	1.05	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFUnA	2058-94-8	<0.765	0.765	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFDS	335-77-3	<0.770	0.770	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
11Cl-PF3OUdS	763051-92-9	<1.00	1.00	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFDoA	307-55-1	<0.988	0.988	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
MeFOSA	31506-32-8	<2.27	2.27	2.53		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFTrDA	72629-94-8	<0.664	0.664	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFDoS	79780-39-5	<1.43	1.43	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
PFTeDA	376-06-7	<0.826	0.826	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
EtFOSA	4151-50-2	<2.36	2.36	2.53		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
MeFOSE	24448-09-7	<2.03	2.03	2.53		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
EtFOSE	1691-99-2	<1.59	1.59	2.03		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	108	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C3-PFPeA	IS	83.7	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C3-PFBS	IS	102	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1

Sample ID: MW-21-04
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-03	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	04-May-22 09:10	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	82.2	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C2-PFHxA	IS	89.8	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C3-HFPO-DA	IS	90.6	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C4-PFHpA	IS	92.0	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C3-PFHxS	IS	88.5	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C2-6:2 FTS	IS	88.9	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C2-PFOA	IS	90.0	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C5-PFNA	IS	87.6	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C8-PFOA	IS	70.0	10 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C8-PFOS	IS	86.0	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C2-PFDA	IS	86.5	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C2-8:2 FTS	IS	89.8	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
d3-MeFOSAA	IS	88.3	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
d5-EtFOSAA	IS	86.5	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C2-PFUnA	IS	85.7	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C2-PFDoA	IS	88.2	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
d3-MeFOSA	IS	34.3	10 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
13C2-PFTeDA	IS	76.1	25 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
d5-EtFOSA	IS	33.5	10 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
d7-MeFOSE	IS	45.1	10 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1
d9-EtFOSE	IS	50.2	10 - 150		B22E116	26-May-22	0.247 L	01-Jun-22 14:35	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-21-05
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-04	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 12:05	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	31.1	1.00	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFPeA	2706-90-3	48.3	0.751	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFBS	375-73-5	5.21	0.900	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
4:2 FTS	757124-72-4	<0.945	0.945	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFHxA	307-24-4	120	0.811	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFPeS	2706-91-4	4.72	0.816	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
HFPO-DA	13252-13-6	<1.56	1.56	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFHpA	375-85-9	88.5	0.930	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
ADONA	919005-14-4	<0.637	0.637	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFHxS	355-46-4	24.3	1.02	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
6:2 FTS	27619-97-2	6.32	1.12	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFOA	335-67-1	368	0.950	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFHpS	375-92-8	10.2	0.592	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFNA	375-95-1	40.6	0.751	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFOSA	754-91-6	41.2	1.08	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFOS	1763-23-1	644	1.12	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
9Cl-PF3ONS	756426-58-1	<1.06	1.06	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFDA	335-76-2	7.73	0.940	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
8:2 FTS	39108-34-4	5.93	1.13	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFNS	68259-12-1	<1.15	1.15	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
MeFOSAA	2355-31-9	2.88	0.945	1.99	Q	B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
EtFOSAA	2991-50-6	11.1	1.03	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFUnA	2058-94-8	<0.751	0.751	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFDS	335-77-3	<0.756	0.756	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
11Cl-PF3OUdS	763051-92-9	<0.985	0.985	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFDoA	307-55-1	<0.970	0.970	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
MeFOSA	31506-32-8	<2.23	2.23	2.49		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFTTrDA	72629-94-8	<0.652	0.652	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFDoS	79780-39-5	<1.41	1.41	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
PFTeDA	376-06-7	<0.811	0.811	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
EtFOSA	4151-50-2	<2.31	2.31	2.49		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
MeFOSE	24448-09-7	<1.99	1.99	2.49		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
EtFOSE	1691-99-2	<1.56	1.56	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	110	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C3-PFPeA	IS	102	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C3-PFBS	IS	113	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1

Sample ID: MW-21-05
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-04	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 12:05	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	84.9	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C2-PFHxA	IS	107	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C3-HFPO-DA	IS	107	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C4-PFHpA	IS	104	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C3-PFHxS	IS	106	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C2-6:2 FTS	IS	103	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C2-PFOA	IS	99.4	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C5-PFNA	IS	101	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C8-PFOA	IS	87.6	10 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C8-PFOS	IS	96.0	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C2-PFDA	IS	95.7	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C2-8:2 FTS	IS	97.7	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
d3-MeFOSAA	IS	109	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
d5-EtFOSAA	IS	104	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C2-PFUnA	IS	101	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C2-PFDoA	IS	103	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
d3-MeFOSA	IS	32.8	10 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
13C2-PFTeDA	IS	91.2	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
d5-EtFOSA	IS	29.0	10 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
d7-MeFOSE	IS	67.6	10 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1
d9-EtFOSE	IS	67.0	10 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:45	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-21-06
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-05	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 14:15	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	27.2	1.01	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFPeA	2706-90-3	43.3	0.752	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFBS	375-73-5	6.28	0.902	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
4:2 FTS	757124-72-4	<0.946	0.946	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFHxA	307-24-4	49.2	0.812	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFPeS	2706-91-4	9.41	0.817	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
HFPO-DA	13252-13-6	<1.56	1.56	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFHpA	375-85-9	92.0	0.931	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
ADONA	919005-14-4	<0.638	0.638	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFHxS	355-46-4	36.4	1.03	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
6:2 FTS	27619-97-2	3.81	1.12	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFOA	335-67-1	1160	0.951	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFHpS	375-92-8	14.1	0.593	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFNA	375-95-1	60.0	0.752	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFOSA	754-91-6	43.8	1.09	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFOS	1763-23-1	1270	1.13	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
9Cl-PF3ONS	756426-58-1	<1.06	1.06	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFDA	335-76-2	20.7	0.941	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
8:2 FTS	39108-34-4	2.42	1.13	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFNS	68259-12-1	<1.15	1.15	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
MeFOSAA	2355-31-9	6.88	0.946	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
EtFOSAA	2991-50-6	41.4	1.04	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFUnA	2058-94-8	<0.752	0.752	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFDS	335-77-3	<0.757	0.757	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
11Cl-PF3OUdS	763051-92-9	<0.986	0.986	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFDoA	307-55-1	<0.971	0.971	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
MeFOSA	31506-32-8	<2.23	2.23	2.49		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFTTrDA	72629-94-8	<0.653	0.653	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFDoS	79780-39-5	<1.41	1.41	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
PFTeDA	376-06-7	<0.812	0.812	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
EtFOSA	4151-50-2	<2.32	2.32	2.49		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
MeFOSE	24448-09-7	<1.99	1.99	2.49		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
EtFOSE	1691-99-2	<1.56	1.56	1.99		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	118	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C3-PFPeA	IS	90.5	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C3-PFBS	IS	107	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1

Sample ID: MW-21-06
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-05	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 14:15	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	94.3	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C2-PFHxA	IS	99.4	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C3-HFPO-DA	IS	108	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C4-PFHpA	IS	96.1	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C3-PFHxS	IS	99.5	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C2-6:2 FTS	IS	104	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C2-PFOA	IS	87.5	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C5-PFNA	IS	90.5	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C8-PFOA	IS	77.5	10 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C8-PFOS	IS	79.7	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C2-PFDA	IS	88.4	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C2-8:2 FTS	IS	96.1	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
d3-MeFOSAA	IS	97.0	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
d5-EtFOSAA	IS	83.1	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C2-PFUnA	IS	95.4	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C2-PFDoA	IS	95.0	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
d3-MeFOSA	IS	45.9	10 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
13C2-PFTeDA	IS	82.9	25 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
d5-EtFOSA	IS	43.9	10 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
d7-MeFOSE	IS	69.7	10 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1
d9-EtFOSE	IS	72.5	10 - 150		B22E116	26-May-22	0.251 L	01-Jun-22 14:56	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-21-07
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-06	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 14:55	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	28.7	0.999	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFPeA	2706-90-3	41.5	0.747	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFBS	375-73-5	3.53	0.895	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
4:2 FTS	757124-72-4	<0.940	0.940	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFHxA	307-24-4	53.2	0.806	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFPeS	2706-91-4	2.66	0.811	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
HFPO-DA	13252-13-6	<1.55	1.55	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFHpA	375-85-9	45.8	0.925	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
ADONA	919005-14-4	<0.633	0.633	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFHxS	355-46-4	18.5	1.02	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
6:2 FTS	27619-97-2	3.23	1.11	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFOA	335-67-1	201	0.945	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFHpS	375-92-8	6.44	0.589	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFNA	375-95-1	56.5	0.747	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFOSA	754-91-6	17.9	1.08	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFOS	1763-23-1	301	1.12	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
9Cl-PF3ONS	756426-58-1	<1.05	1.05	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFDA	335-76-2	8.14	0.935	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
8:2 FTS	39108-34-4	1.26	1.12	1.98	J	B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFNS	68259-12-1	<1.14	1.14	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
MeFOSAA	2355-31-9	1.06	0.940	1.98	J	B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
EtFOSAA	2991-50-6	13.5	1.03	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFUnA	2058-94-8	<0.747	0.747	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFDS	335-77-3	<0.752	0.752	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
11Cl-PF3OUdS	763051-92-9	<0.980	0.980	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFDoA	307-55-1	<0.965	0.965	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
MeFOSA	31506-32-8	<2.22	2.22	2.47		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFTrDA	72629-94-8	<0.648	0.648	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFDoS	79780-39-5	<1.40	1.40	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
PFTeDA	376-06-7	<0.806	0.806	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
EtFOSA	4151-50-2	<2.30	2.30	2.47		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
MeFOSE	24448-09-7	<1.98	1.98	2.47		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
EtFOSE	1691-99-2	<1.55	1.55	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	127	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C3-PFPeA	IS	99.1	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C3-PFBS	IS	118	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1

Sample ID: MW-21-07
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-06	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 14:55	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	91.6	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C2-PFHxA	IS	106	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C3-HFPO-DA	IS	90.7	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C4-PFHpA	IS	103	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C3-PFHxS	IS	101	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C2-6:2 FTS	IS	101	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C2-PFOA	IS	103	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C5-PFNA	IS	98.3	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C8-PFOA	IS	68.4	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C8-PFOS	IS	90.5	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C2-PFDA	IS	99.0	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C2-8:2 FTS	IS	99.2	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
d3-MeFOSAA	IS	101	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
d5-EtFOSAA	IS	102	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C2-PFUnA	IS	96.4	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C2-PFDoA	IS	92.7	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
d3-MeFOSA	IS	8.50	10 - 150	H	B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
13C2-PFTeDA	IS	79.8	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
d5-EtFOSA	IS	8.00	10 - 150	H	B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
d7-MeFOSE	IS	47.7	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1
d9-EtFOSE	IS	46.5	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:06	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-21-08
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-07	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 15:35	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	13.2	0.998	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFPeA	2706-90-3	15.4	0.746	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFBS	375-73-5	2.32	0.894	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
4:2 FTS	757124-72-4	<0.939	0.939	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFHxA	307-24-4	18.8	0.805	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFPeS	2706-91-4	<0.810	0.810	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
HFPO-DA	13252-13-6	<1.55	1.55	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFHpA	375-85-9	10.7	0.924	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
ADONA	919005-14-4	<0.632	0.632	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFHxS	355-46-4	2.31	1.02	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
6:2 FTS	27619-97-2	<1.11	1.11	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFOA	335-67-1	39.5	0.944	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFHpS	375-92-8	1.19	0.588	1.98	J, Q	B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFNA	375-95-1	4.93	0.746	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFOSA	754-91-6	2.57	1.08	1.98	Q	B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFOS	1763-23-1	32.7	1.12	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
9Cl-PF3ONS	756426-58-1	<1.05	1.05	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFDA	335-76-2	1.12	0.934	1.98	J	B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
8:2 FTS	39108-34-4	<1.12	1.12	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFNS	68259-12-1	<1.14	1.14	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
MeFOSAA	2355-31-9	<0.939	0.939	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
EtFOSAA	2991-50-6	<1.03	1.03	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFUnA	2058-94-8	<0.746	0.746	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFDS	335-77-3	<0.751	0.751	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
11Cl-PF3OUdS	763051-92-9	<0.978	0.978	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFDoA	307-55-1	<0.963	0.963	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
MeFOSA	31506-32-8	<2.21	2.21	2.47		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFTTrDA	72629-94-8	<0.647	0.647	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFDoS	79780-39-5	<1.40	1.40	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
PFTeDA	376-06-7	<0.805	0.805	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
EtFOSA	4151-50-2	<2.30	2.30	2.47		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
MeFOSE	24448-09-7	<1.98	1.98	2.47		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
EtFOSE	1691-99-2	<1.55	1.55	1.98		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	105	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C3-PFPeA	IS	95.7	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C3-PFBS	IS	101	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1

Sample ID: MW-21-08
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-07	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 15:35	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	80.6	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C2-PFHxA	IS	95.6	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C3-HFPO-DA	IS	99.1	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C4-PFHpA	IS	92.1	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C3-PFHxS	IS	92.1	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C2-6:2 FTS	IS	91.9	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C2-PFOA	IS	92.8	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C5-PFNA	IS	86.3	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C8-PFOA	IS	80.6	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C8-PFOS	IS	84.7	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C2-PFDA	IS	88.6	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C2-8:2 FTS	IS	79.5	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
d3-MeFOSAA	IS	92.8	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
d5-EtFOSAA	IS	95.2	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C2-PFUnA	IS	85.6	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C2-PFDoA	IS	88.1	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
d3-MeFOSA	IS	34.5	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
13C2-PFTeDA	IS	73.6	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
d5-EtFOSA	IS	33.0	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
d7-MeFOSE	IS	57.8	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1
d9-EtFOSE	IS	61.4	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 15:17	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-21-09
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-08	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 15:50	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	18.9	1.03	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFPeA	2706-90-3	19.0	0.768	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFBS	375-73-5	3.26	0.921	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
4:2 FTS	757124-72-4	<0.967	0.967	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFHxA	307-24-4	29.2	0.829	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFPeS	2706-91-4	3.54	0.835	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
HFPO-DA	13252-13-6	<1.59	1.59	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFHpA	375-85-9	28.5	0.952	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
ADONA	919005-14-4	<0.651	0.651	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFHxS	355-46-4	15.3	1.05	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
6:2 FTS	27619-97-2	8.94	1.15	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFOA	335-67-1	132	0.972	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFHpS	375-92-8	5.06	0.606	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFNA	375-95-1	11.6	0.768	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFOSA	754-91-6	35.2	1.11	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFOS	1763-23-1	205	1.15	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
9Cl-PF3ONS	756426-58-1	<1.08	1.08	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFDA	335-76-2	1.63	0.962	2.04	J	B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
8:2 FTS	39108-34-4	<1.16	1.16	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFNS	68259-12-1	<1.18	1.18	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
MeFOSAA	2355-31-9	<0.967	0.967	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
EtFOSAA	2991-50-6	3.60	1.06	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFUnA	2058-94-8	<0.768	0.768	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFDS	335-77-3	<0.774	0.774	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
11Cl-PF3OUdS	763051-92-9	<1.01	1.01	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFDoA	307-55-1	<0.992	0.992	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
MeFOSA	31506-32-8	<2.28	2.28	2.54		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFTTrDA	72629-94-8	<0.667	0.667	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFDoS	79780-39-5	<1.44	1.44	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
PFTeDA	376-06-7	<0.829	0.829	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
EtFOSA	4151-50-2	<2.37	2.37	2.54		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
MeFOSE	24448-09-7	<2.04	2.04	2.54		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
EtFOSE	1691-99-2	<1.60	1.60	2.04		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	117	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C3-PFPeA	IS	102	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C3-PFBS	IS	116	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1

Sample ID: MW-21-09
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-08	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 15:50	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	98.0	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C2-PFHxA	IS	99.5	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C3-HFPO-DA	IS	105	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C4-PFHpA	IS	98.1	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C3-PFHxS	IS	98.3	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C2-6:2 FTS	IS	101	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C2-PFOA	IS	91.3	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C5-PFNA	IS	92.7	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C8-PFOA	IS	68.0	10 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C8-PFOS	IS	90.1	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C2-PFDA	IS	91.5	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C2-8:2 FTS	IS	91.7	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
d3-MeFOSAA	IS	96.6	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
d5-EtFOSAA	IS	94.6	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C2-PFUnA	IS	95.0	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C2-PFDoA	IS	92.0	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
d3-MeFOSA	IS	28.1	10 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
13C2-PFTeDA	IS	84.8	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
d5-EtFOSA	IS	29.2	10 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
d7-MeFOSE	IS	73.5	10 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1
d9-EtFOSE	IS	70.8	10 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:27	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-21-10
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-09	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 10:50	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	44.6	1.02	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFPeA	2706-90-3	44.9	0.766	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFBS	375-73-5	5.29	0.918	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
4:2 FTS	757124-72-4	<0.964	0.964	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFHxA	307-24-4	63.4	0.827	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFPeS	2706-91-4	2.30	0.832	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
HFPO-DA	13252-13-6	<1.59	1.59	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFHpA	375-85-9	45.9	0.949	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
ADONA	919005-14-4	<0.649	0.649	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFHxS	355-46-4	7.65	1.05	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
6:2 FTS	27619-97-2	<1.14	1.14	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFOA	335-67-1	175	0.969	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFHpS	375-92-8	2.00	0.604	2.03	J, Q	B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFNA	375-95-1	16.5	0.766	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFOSA	754-91-6	6.21	1.11	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFOS	1763-23-1	33.3	1.15	2.03	Q	B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
9Cl-PF3ONS	756426-58-1	<1.08	1.08	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFDA	335-76-2	8.49	0.959	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
8:2 FTS	39108-34-4	<1.15	1.15	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFNS	68259-12-1	<1.17	1.17	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
MeFOSAA	2355-31-9	<0.964	0.964	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
EtFOSAA	2991-50-6	<1.06	1.06	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFUnA	2058-94-8	0.868	0.766	2.03	J	B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFDS	335-77-3	<0.771	0.771	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
11Cl-PF3OUdS	763051-92-9	<1.00	1.00	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFDoA	307-55-1	<0.989	0.989	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
MeFOSA	31506-32-8	<2.27	2.27	2.54		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFTTrDA	72629-94-8	<0.665	0.665	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFDoS	79780-39-5	<1.44	1.44	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
PFTeDA	376-06-7	<0.827	0.827	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
EtFOSA	4151-50-2	<2.36	2.36	2.54		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
MeFOSE	24448-09-7	<2.03	2.03	2.54		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
EtFOSE	1691-99-2	<1.59	1.59	2.03		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	118	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C3-PFPeA	IS	99.2	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C3-PFBS	IS	104	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1

Sample ID: MW-21-10
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-09	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 10:50	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	92.3	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C2-PFHxA	IS	100	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C3-HFPO-DA	IS	92.0	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C4-PFHpA	IS	96.2	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C3-PFHxS	IS	95.0	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C2-6:2 FTS	IS	89.4	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C2-PFOA	IS	96.4	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C5-PFNA	IS	94.5	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C8-PFOA	IS	82.3	10 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C8-PFOS	IS	79.5	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C2-PFDA	IS	93.8	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C2-8:2 FTS	IS	93.7	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
d3-MeFOSAA	IS	93.3	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
d5-EtFOSAA	IS	97.6	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C2-PFUnA	IS	93.4	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C2-PFDoA	IS	95.4	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
d3-MeFOSA	IS	38.6	10 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
13C2-PFTeDA	IS	79.9	25 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
d5-EtFOSA	IS	36.4	10 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
d7-MeFOSE	IS	62.7	10 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1
d9-EtFOSE	IS	65.3	10 - 150		B22E116	26-May-22	0.246 L	01-Jun-22 15:38	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-21-11
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-10	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 10:00	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<1.02	1.02	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFPeA	2706-90-3	<0.762	0.762	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFBS	375-73-5	6.02	0.914	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
4:2 FTS	757124-72-4	<0.959	0.959	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFHxA	307-24-4	56.5	0.823	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFPeS	2706-91-4	5.24	0.828	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
HFPO-DA	13252-13-6	<1.58	1.58	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFHpA	375-85-9	36.6	0.944	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
ADONA	919005-14-4	<0.646	0.646	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFHxS	355-46-4	15.3	1.04	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
6:2 FTS	27619-97-2	3.74	1.14	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFOA	335-67-1	186	0.964	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFHpS	375-92-8	1.79	0.601	2.02	J	B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFNA	375-95-1	11.8	0.762	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFOSA	754-91-6	16.1	1.10	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFOS	1763-23-1	146	1.14	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
9Cl-PF3ONS	756426-58-1	<1.08	1.08	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFDA	335-76-2	28.4	0.954	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
8:2 FTS	39108-34-4	5.49	1.15	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFNS	68259-12-1	<1.17	1.17	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
MeFOSAA	2355-31-9	3.00	0.959	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
EtFOSAA	2991-50-6	5.04	1.05	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFUnA	2058-94-8	5.20	0.762	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFDS	335-77-3	<0.767	0.767	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
11Cl-PF3OUdS	763051-92-9	<1.00	1.00	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFDoA	307-55-1	3.56	0.985	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
MeFOSA	31506-32-8	<2.26	2.26	2.52		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFTrDA	72629-94-8	<0.661	0.661	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFDoS	79780-39-5	<1.43	1.43	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
PFTeDA	376-06-7	<0.823	0.823	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
EtFOSA	4151-50-2	5.22	2.35	2.52		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
MeFOSE	24448-09-7	<2.02	2.02	2.52		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
EtFOSE	1691-99-2	<1.59	1.59	2.02		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	3.10	25 - 150	H	B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C3-PFPeA	IS	19.6	25 - 150	H	B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C3-PFBS	IS	59.5	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1

Sample ID: MW-21-11
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-10	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 10:00	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	71.0	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C2-PFHxA	IS	70.0	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C3-HFPO-DA	IS	65.0	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C4-PFHpA	IS	92.4	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C3-PFHxS	IS	97.2	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C2-6:2 FTS	IS	94.1	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C2-PFOA	IS	89.1	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C5-PFNA	IS	93.0	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C8-PFOA	IS	91.0	10 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C8-PFOS	IS	92.7	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C2-PFDA	IS	94.4	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C2-8:2 FTS	IS	92.5	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
d3-MeFOSAA	IS	95.9	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
d5-EtFOSAA	IS	90.6	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C2-PFUnA	IS	95.0	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C2-PFDoA	IS	93.8	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
d3-MeFOSA	IS	51.6	10 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
13C2-PFTeDA	IS	82.2	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
d5-EtFOSA	IS	45.3	10 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
d7-MeFOSE	IS	53.5	10 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1
d9-EtFOSE	IS	55.2	10 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 15:48	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-22-15
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-11	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 16:20	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	14.4	1.02	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFPeA	2706-90-3	22.6	0.759	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFBS	375-73-5	<0.910	0.910	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
4:2 FTS	757124-72-4	<0.955	0.955	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFHxA	307-24-4	35.2	0.819	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFPeS	2706-91-4	<0.824	0.824	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
HFPO-DA	13252-13-6	<1.57	1.57	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFHpA	375-85-9	30.2	0.940	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
ADONA	919005-14-4	<0.644	0.644	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFHxS	355-46-4	3.72	1.04	2.01	Q	B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
6:2 FTS	27619-97-2	<1.13	1.13	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFOA	335-67-1	94.5	0.960	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFHpS	375-92-8	<0.598	0.598	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFNA	375-95-1	6.28	0.759	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFOSA	754-91-6	63.4	1.10	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFOS	1763-23-1	46.5	1.14	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
9Cl-PF3ONS	756426-58-1	<1.07	1.07	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFDA	335-76-2	6.18	0.950	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
8:2 FTS	39108-34-4	<1.14	1.14	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFNS	68259-12-1	<1.16	1.16	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
MeFOSAA	2355-31-9	<0.955	0.955	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
EtFOSAA	2991-50-6	5.62	1.05	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFUnA	2058-94-8	1.07	0.759	2.01	J, Q	B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFDS	335-77-3	<0.764	0.764	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
11Cl-PF3OUdS	763051-92-9	<0.995	0.995	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFDoA	307-55-1	<0.980	0.980	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
MeFOSA	31506-32-8	<2.25	2.25	2.51		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFTrDA	72629-94-8	<0.659	0.659	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFDoS	79780-39-5	<1.42	1.42	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
PFTeDA	376-06-7	<0.819	0.819	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
EtFOSA	4151-50-2	<2.34	2.34	2.51		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
MeFOSE	24448-09-7	<2.01	2.01	2.51		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
EtFOSE	1691-99-2	<1.58	1.58	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
Labeled Standards	Type	% Recovery	Limits		Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	79.0	25 - 150			B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C3-PFPeA	IS	80.6	25 - 150			B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C3-PFBS	IS	98.8	25 - 150			B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1

Sample ID: MW-22-15
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-11	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 16:20	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	78.2	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C2-PFHxA	IS	87.5	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C3-HFPO-DA	IS	78.4	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C4-PFHpA	IS	84.0	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C3-PFHxS	IS	84.1	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C2-6:2 FTS	IS	88.3	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C2-PFOA	IS	84.9	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C5-PFNA	IS	85.7	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C8-PFOA	IS	63.1	10 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C8-PFOS	IS	82.6	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C2-PFDA	IS	86.5	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C2-8:2 FTS	IS	80.1	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
d3-MeFOSAA	IS	87.8	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
d5-EtFOSAA	IS	90.0	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C2-PFUnA	IS	82.6	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C2-PFDoA	IS	83.1	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
d3-MeFOSA	IS	33.8	10 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
13C2-PFTeDA	IS	77.8	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
d5-EtFOSA	IS	30.0	10 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
d7-MeFOSE	IS	58.2	10 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1
d9-EtFOSE	IS	58.0	10 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 16:31	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: DUP-01
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-12	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 00:00	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	43.0	0.997	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFPeA	2706-90-3	46.7	0.746	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFBS	375-73-5	5.49	0.894	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
4:2 FTS	757124-72-4	<0.938	0.938	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFHxA	307-24-4	65.1	0.805	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFPeS	2706-91-4	2.02	0.810	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
HFPO-DA	13252-13-6	<1.55	1.55	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFHpA	375-85-9	47.9	0.923	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
ADONA	919005-14-4	<0.632	0.632	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFHxS	355-46-4	8.45	1.02	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
6:2 FTS	27619-97-2	<1.11	1.11	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFOA	335-67-1	185	0.943	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFHpS	375-92-8	2.30	0.588	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFNA	375-95-1	14.9	0.746	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFOSA	754-91-6	9.50	1.08	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFOS	1763-23-1	32.6	1.12	1.97	Q	B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
9Cl-PF3ONS	756426-58-1	<1.05	1.05	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFDA	335-76-2	7.64	0.933	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
8:2 FTS	39108-34-4	<1.12	1.12	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFNS	68259-12-1	<1.14	1.14	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
MeFOSAA	2355-31-9	<0.938	0.938	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
EtFOSAA	2991-50-6	<1.03	1.03	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFUnA	2058-94-8	<0.746	0.746	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFDS	335-77-3	<0.750	0.750	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
11Cl-PF3OUdS	763051-92-9	<0.978	0.978	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFDoA	307-55-1	<0.963	0.963	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
MeFOSA	31506-32-8	<2.21	2.21	2.47		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFTTrDA	72629-94-8	<0.647	0.647	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFDoS	79780-39-5	<1.40	1.40	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
PFTeDA	376-06-7	<0.805	0.805	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
EtFOSA	4151-50-2	<2.30	2.30	2.47		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
MeFOSE	24448-09-7	<1.97	1.97	2.47		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
EtFOSE	1691-99-2	<1.55	1.55	1.97		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	117	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C3-PFPeA	IS	98.5	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C3-PFBS	IS	105	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1

Sample ID: DUP-01
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-12	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 00:00	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	85.0	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C2-PFHxA	IS	99.8	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C3-HFPO-DA	IS	106	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C4-PFHpA	IS	99.5	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C3-PFHxS	IS	94.5	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C2-6:2 FTS	IS	85.5	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C2-PFOA	IS	91.5	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C5-PFNA	IS	93.5	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C8-PFOA	IS	78.3	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C8-PFOS	IS	81.7	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C2-PFDA	IS	96.4	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C2-8:2 FTS	IS	94.7	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
d3-MeFOSAA	IS	95.9	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
d5-EtFOSAA	IS	98.3	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C2-PFUnA	IS	95.0	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C2-PFDoA	IS	94.4	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
d3-MeFOSA	IS	24.9	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
13C2-PFTeDA	IS	79.7	25 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
d5-EtFOSA	IS	24.9	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
d7-MeFOSE	IS	64.7	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1
d9-EtFOSE	IS	64.9	10 - 150		B22E116	26-May-22	0.253 L	01-Jun-22 16:41	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: DUP-02
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-13	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	04-May-22 00:00	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	7.85	1.00	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFPeA	2706-90-3	5.86	0.750	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFBS	375-73-5	2.02	0.899	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
4:2 FTS	757124-72-4	<0.943	0.943	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFHxA	307-24-4	3.19	0.809	1.99	Q	B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFPeS	2706-91-4	<0.814	0.814	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
HFPO-DA	13252-13-6	<1.55	1.55	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFHpA	375-85-9	<0.928	0.928	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
ADONA	919005-14-4	<0.636	0.636	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFHxS	355-46-4	<1.02	1.02	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
6:2 FTS	27619-97-2	<1.12	1.12	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFOA	335-67-1	1.38	0.948	1.99	J	B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFHpS	375-92-8	<0.591	0.591	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFNA	375-95-1	<0.750	0.750	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFOSA	754-91-6	4.96	1.08	1.99	Q	B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFOS	1763-23-1	<1.12	1.12	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
9Cl-PF3ONS	756426-58-1	<1.06	1.06	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFDA	335-76-2	<0.938	0.938	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
8:2 FTS	39108-34-4	<1.13	1.13	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFNS	68259-12-1	<1.15	1.15	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
MeFOSAA	2355-31-9	<0.943	0.943	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
EtFOSAA	2991-50-6	<1.03	1.03	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFUnA	2058-94-8	<0.750	0.750	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFDS	335-77-3	<0.755	0.755	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
11Cl-PF3OUdS	763051-92-9	<0.983	0.983	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFDoA	307-55-1	<0.968	0.968	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
MeFOSA	31506-32-8	<2.22	2.22	2.48		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFTTrDA	72629-94-8	<0.650	0.650	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFDoS	79780-39-5	<1.41	1.41	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
PFTeDA	376-06-7	<0.809	0.809	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
EtFOSA	4151-50-2	<2.31	2.31	2.48		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
MeFOSE	24448-09-7	<1.99	1.99	2.48		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
EtFOSE	1691-99-2	<1.56	1.56	1.99		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	104	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C3-PFPeA	IS	87.8	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C3-PFBS	IS	97.5	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1

Sample ID: DUP-02
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-13	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	04-May-22 00:00	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	83.0	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C2-PFHxA	IS	94.6	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C3-HFPO-DA	IS	81.8	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C4-PFHpA	IS	87.2	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C3-PFHxS	IS	91.6	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C2-6:2 FTS	IS	88.2	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C2-PFOA	IS	91.8	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C5-PFNA	IS	91.1	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C8-PFOA	IS	78.7	10 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C8-PFOS	IS	77.5	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C2-PFDA	IS	90.9	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C2-8:2 FTS	IS	84.2	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
d3-MeFOSAA	IS	88.2	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
d5-EtFOSAA	IS	91.9	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C2-PFUnA	IS	85.8	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C2-PFDoA	IS	90.0	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
d3-MeFOSA	IS	35.2	10 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
13C2-PFTeDA	IS	75.5	25 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
d5-EtFOSA	IS	32.2	10 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
d7-MeFOSE	IS	58.5	10 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1
d9-EtFOSE	IS	59.8	10 - 150		B22E116	26-May-22	0.252 L	01-Jun-22 16:52	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: Equipment blank-1
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-14	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 11:55	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.982	0.982	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFPeA	2706-90-3	<0.734	0.734	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFBS	375-73-5	<0.880	0.880	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
4:2 FTS	757124-72-4	<0.924	0.924	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFHxA	307-24-4	<0.793	0.793	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFPeS	2706-91-4	<0.797	0.797	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
HFPO-DA	13252-13-6	<1.52	1.52	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFHpA	375-85-9	<0.909	0.909	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
ADONA	919005-14-4	<0.622	0.622	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFHxS	355-46-4	<1.00	1.00	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
6:2 FTS	27619-97-2	<1.09	1.09	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFOA	335-67-1	<0.929	0.929	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFHpS	375-92-8	<0.579	0.579	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFNA	375-95-1	<0.734	0.734	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFOSA	754-91-6	<1.06	1.06	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFOS	1763-23-1	<1.10	1.10	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
9Cl-PF3ONS	756426-58-1	<1.04	1.04	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFDA	335-76-2	<0.919	0.919	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
8:2 FTS	39108-34-4	<1.10	1.10	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFNS	68259-12-1	<1.12	1.12	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
MeFOSAA	2355-31-9	<0.924	0.924	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
EtFOSAA	2991-50-6	<1.01	1.01	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFUnA	2058-94-8	<0.734	0.734	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFDS	335-77-3	<0.739	0.739	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
11Cl-PF3OUdS	763051-92-9	<0.963	0.963	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFDoA	307-55-1	<0.948	0.948	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
MeFOSA	31506-32-8	<2.18	2.18	2.43		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFTTrDA	72629-94-8	<0.637	0.637	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFDoS	79780-39-5	<1.38	1.38	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
PFTeDA	376-06-7	<0.793	0.793	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
EtFOSA	4151-50-2	<2.26	2.26	2.43		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
MeFOSE	24448-09-7	<1.95	1.95	2.43		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
EtFOSE	1691-99-2	<1.53	1.53	1.95		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	141	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C3-PFPeA	IS	104	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C3-PFBS	IS	107	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1

Sample ID: Equipment blank-1
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-14	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 11:55	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	95.4	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C2-PFHxA	IS	102	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C3-HFPO-DA	IS	105	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C4-PFHpA	IS	98.3	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C3-PFHxS	IS	103	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C2-6:2 FTS	IS	99.3	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C2-PFOA	IS	97.5	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C5-PFNA	IS	96.0	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C8-PFOA	IS	68.6	10 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C8-PFOS	IS	92.6	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C2-PFDA	IS	90.7	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C2-8:2 FTS	IS	89.6	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
d3-MeFOSAA	IS	92.6	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
d5-EtFOSAA	IS	86.5	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C2-PFUnA	IS	96.2	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C2-PFDoA	IS	93.2	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
d3-MeFOSA	IS	27.9	10 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
13C2-PFTeDA	IS	80.7	25 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
d5-EtFOSA	IS	22.9	10 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
d7-MeFOSE	IS	47.5	10 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1
d9-EtFOSE	IS	44.4	10 - 150		B22E116	26-May-22	0.257 L	01-Jun-22 17:02	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: Equipment blank-2
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-15	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 08:00	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.987	0.987	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFPeA	2706-90-3	<0.738	0.738	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFBS	375-73-5	<0.885	0.885	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
4:2 FTS	757124-72-4	<0.929	0.929	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFHxA	307-24-4	<0.797	0.797	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFPeS	2706-91-4	<0.802	0.802	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
HFPO-DA	13252-13-6	<1.53	1.53	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFHpA	375-85-9	<0.914	0.914	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
ADONA	919005-14-4	<0.626	0.626	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFHxS	355-46-4	<1.01	1.01	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
6:2 FTS	27619-97-2	<1.10	1.10	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFOA	335-67-1	<0.934	0.934	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFHpS	375-92-8	<0.582	0.582	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFNA	375-95-1	<0.738	0.738	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFOSA	754-91-6	<1.07	1.07	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFOS	1763-23-1	<1.10	1.10	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
9Cl-PF3ONS	756426-58-1	<1.04	1.04	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFDA	335-76-2	<0.924	0.924	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
8:2 FTS	39108-34-4	<1.11	1.11	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFNS	68259-12-1	<1.13	1.13	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
MeFOSAA	2355-31-9	<0.929	0.929	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
EtFOSAA	2991-50-6	<1.02	1.02	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFUnA	2058-94-8	<0.738	0.738	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFDS	335-77-3	<0.743	0.743	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
11Cl-PF3OUdS	763051-92-9	<0.968	0.968	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFDoA	307-55-1	<0.953	0.953	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
MeFOSA	31506-32-8	<2.19	2.19	2.44		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFTTrDA	72629-94-8	<0.640	0.640	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFDoS	79780-39-5	<1.38	1.38	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
PFTeDA	376-06-7	<0.797	0.797	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
EtFOSA	4151-50-2	<2.27	2.27	2.44		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
MeFOSE	24448-09-7	<1.96	1.96	2.44		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
EtFOSE	1691-99-2	<1.53	1.53	1.96		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	135	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C3-PFPeA	IS	96.3	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C3-PFBS	IS	103	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1

Sample ID: Equipment blank-2
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-15	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 08:00	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	80.1	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C2-PFHxA	IS	94.5	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C3-HFPO-DA	IS	102	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C4-PFHpA	IS	90.5	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C3-PFHxS	IS	90.0	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C2-6:2 FTS	IS	98.3	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C2-PFOA	IS	90.1	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C5-PFNA	IS	89.4	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C8-PFOA	IS	67.7	10 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C8-PFOS	IS	89.4	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C2-PFDA	IS	90.3	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C2-8:2 FTS	IS	103	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
d3-MeFOSAA	IS	88.8	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
d5-EtFOSAA	IS	94.7	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C2-PFUnA	IS	88.8	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C2-PFDoA	IS	91.5	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
d3-MeFOSA	IS	34.8	10 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
13C2-PFTeDA	IS	82.2	25 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
d5-EtFOSA	IS	35.8	10 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
d7-MeFOSE	IS	50.5	10 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1
d9-EtFOSE	IS	51.4	10 - 150		B22E116	26-May-22	0.256 L	01-Jun-22 17:13	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: Field blank-1
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-16	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 11:53	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.959	0.959	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFPeA	2706-90-3	<0.717	0.717	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFBS	375-73-5	<0.859	0.859	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
4:2 FTS	757124-72-4	<0.902	0.902	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFHxA	307-24-4	<0.773	0.773	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFPeS	2706-91-4	<0.778	0.778	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
HFPO-DA	13252-13-6	<1.49	1.49	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFHpA	375-85-9	<0.887	0.887	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
ADONA	919005-14-4	<0.607	0.607	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFHxS	355-46-4	<0.978	0.978	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
6:2 FTS	27619-97-2	<1.07	1.07	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFOA	335-67-1	<0.906	0.906	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFHpS	375-92-8	<0.565	0.565	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFNA	375-95-1	<0.717	0.717	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFOSA	754-91-6	<1.03	1.03	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFOS	1763-23-1	<1.07	1.07	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
9Cl-PF3ONS	756426-58-1	<1.01	1.01	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFDA	335-76-2	<0.897	0.897	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
8:2 FTS	39108-34-4	<1.08	1.08	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFNS	68259-12-1	<1.10	1.10	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
MeFOSAA	2355-31-9	<0.902	0.902	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
EtFOSAA	2991-50-6	<0.987	0.987	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFUnA	2058-94-8	<0.717	0.717	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFDS	335-77-3	<0.721	0.721	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
11Cl-PF3OUdS	763051-92-9	<0.940	0.940	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFDoA	307-55-1	<0.925	0.925	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
MeFOSA	31506-32-8	<2.13	2.13	2.37		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFTTrDA	72629-94-8	<0.622	0.622	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFDoS	79780-39-5	<1.34	1.34	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
PFTeDA	376-06-7	<0.773	0.773	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
EtFOSA	4151-50-2	<2.21	2.21	2.37		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
MeFOSE	24448-09-7	<1.90	1.90	2.37		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
EtFOSE	1691-99-2	<1.49	1.49	1.90		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	137	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C3-PFPeA	IS	101	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C3-PFBS	IS	102	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1

Sample ID: Field blank-1
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-16	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 11:53	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	87.3	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C2-PFHxA	IS	99.4	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C3-HFPO-DA	IS	98.4	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C4-PFHpA	IS	96.8	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C3-PFHxS	IS	92.2	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C2-6:2 FTS	IS	92.6	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C2-PFOA	IS	96.0	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C5-PFNA	IS	88.5	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C8-PFOA	IS	66.6	10 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C8-PFOS	IS	89.3	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C2-PFDA	IS	91.0	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C2-8:2 FTS	IS	80.5	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
d3-MeFOSAA	IS	83.0	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
d5-EtFOSAA	IS	83.1	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C2-PFUnA	IS	85.3	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C2-PFDoA	IS	87.5	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
d3-MeFOSA	IS	37.0	10 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
13C2-PFTeDA	IS	82.8	25 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
d5-EtFOSA	IS	34.9	10 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
d7-MeFOSE	IS	47.1	10 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1
d9-EtFOSE	IS	46.7	10 - 150		B22E116	26-May-22	0.263 L	01-Jun-22 17:23	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: Field blank-2
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-17	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 08:06	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<1.02	1.02	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFPeA	2706-90-3	<0.759	0.759	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFBS	375-73-5	<0.910	0.910	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
4:2 FTS	757124-72-4	<0.955	0.955	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFHxA	307-24-4	<0.819	0.819	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFPeS	2706-91-4	<0.824	0.824	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
HFPO-DA	13252-13-6	<1.57	1.57	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFHpA	375-85-9	<0.940	0.940	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
ADONA	919005-14-4	<0.643	0.643	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFHxS	355-46-4	<1.04	1.04	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
6:2 FTS	27619-97-2	<1.13	1.13	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFOA	335-67-1	<0.960	0.960	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFHpS	375-92-8	<0.598	0.598	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFNA	375-95-1	<0.759	0.759	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFOSA	754-91-6	<1.10	1.10	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFOS	1763-23-1	<1.14	1.14	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
9Cl-PF3ONS	756426-58-1	<1.07	1.07	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFDA	335-76-2	<0.950	0.950	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
8:2 FTS	39108-34-4	<1.14	1.14	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFNS	68259-12-1	<1.16	1.16	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
MeFOSAA	2355-31-9	<0.955	0.955	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
EtFOSAA	2991-50-6	<1.05	1.05	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFUnA	2058-94-8	<0.759	0.759	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFDS	335-77-3	<0.764	0.764	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
11Cl-PF3OUdS	763051-92-9	<0.995	0.995	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFDoA	307-55-1	<0.980	0.980	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
MeFOSA	31506-32-8	<2.25	2.25	2.51		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFTTrDA	72629-94-8	<0.658	0.658	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFDoS	79780-39-5	<1.42	1.42	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
PFTeDA	376-06-7	<0.819	0.819	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
EtFOSA	4151-50-2	<2.34	2.34	2.51		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
MeFOSE	24448-09-7	<2.01	2.01	2.51		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
EtFOSE	1691-99-2	<1.58	1.58	2.01		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	134	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C3-PFPeA	IS	97.8	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C3-PFBS	IS	102	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1

Sample ID: Field blank-2
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-17	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 08:06	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	96.8	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C2-PFHxA	IS	99.0	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C3-HFPO-DA	IS	95.2	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C4-PFHpA	IS	91.4	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C3-PFHxS	IS	92.8	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C2-6:2 FTS	IS	92.1	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C2-PFOA	IS	97.7	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C5-PFNA	IS	85.3	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C8-PFOA	IS	68.3	10 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C8-PFOS	IS	84.0	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C2-PFDA	IS	92.3	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C2-8:2 FTS	IS	90.7	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
d3-MeFOSAA	IS	82.7	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
d5-EtFOSAA	IS	85.1	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C2-PFUnA	IS	90.0	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C2-PFDoA	IS	84.1	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
d3-MeFOSA	IS	32.5	10 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
13C2-PFTeDA	IS	81.8	25 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
d5-EtFOSA	IS	32.3	10 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
d7-MeFOSE	IS	46.7	10 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1
d9-EtFOSE	IS	49.9	10 - 150		B22E116	26-May-22	0.249 L	01-Jun-22 17:34	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-22-13
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-18	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	05-May-22 09:00	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<1.02	1.02	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFPeA	2706-90-3	<0.760	0.760	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFBS	375-73-5	<0.911	0.911	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
4:2 FTS	757124-72-4	<0.956	0.956	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFHxA	307-24-4	<0.820	0.820	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFPeS	2706-91-4	<0.825	0.825	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
HFPO-DA	13252-13-6	<1.58	1.58	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFHpA	375-85-9	<0.941	0.941	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
ADONA	919005-14-4	<0.644	0.644	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFHxS	355-46-4	<1.04	1.04	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
6:2 FTS	27619-97-2	3.50	1.13	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFOA	335-67-1	<0.961	0.961	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFHpS	375-92-8	<0.599	0.599	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFNA	375-95-1	<0.760	0.760	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFOSA	754-91-6	1.97	1.10	2.01	J	B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFOS	1763-23-1	1.54	1.14	2.01	J	B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
9Cl-PF3ONS	756426-58-1	<1.07	1.07	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFDA	335-76-2	<0.951	0.951	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
8:2 FTS	39108-34-4	<1.14	1.14	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFNS	68259-12-1	<1.16	1.16	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
MeFOSAA	2355-31-9	<0.956	0.956	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
EtFOSAA	2991-50-6	<1.05	1.05	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFUnA	2058-94-8	<0.760	0.760	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFDS	335-77-3	<0.765	0.765	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
11Cl-PF3OUdS	763051-92-9	<0.997	0.997	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFDoA	307-55-1	<0.981	0.981	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
MeFOSA	31506-32-8	<2.25	2.25	2.52		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFTTrDA	72629-94-8	<0.659	0.659	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFDoS	79780-39-5	<1.42	1.42	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
PFTeDA	376-06-7	<0.820	0.820	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
EtFOSA	4151-50-2	<2.34	2.34	2.52		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
MeFOSE	24448-09-7	<2.01	2.01	2.52		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
EtFOSE	1691-99-2	<1.58	1.58	2.01		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	113	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C3-PFPeA	IS	101	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C3-PFBS	IS	103	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1

Sample ID: MW-22-13
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-18	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	05-May-22 09:00	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	91.0	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C2-PFHxA	IS	100	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C3-HFPO-DA	IS	105	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C4-PFHpA	IS	94.9	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C3-PFHxS	IS	94.8	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C2-6:2 FTS	IS	102	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C2-PFOA	IS	99.2	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C5-PFNA	IS	87.9	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C8-PFOA	IS	81.9	10 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C8-PFOS	IS	87.6	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C2-PFDA	IS	97.4	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C2-8:2 FTS	IS	83.3	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
d3-MeFOSAA	IS	94.1	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
d5-EtFOSAA	IS	92.4	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C2-PFUnA	IS	94.5	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C2-PFDoA	IS	93.2	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
d3-MeFOSA	IS	27.7	10 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
13C2-PFTeDA	IS	86.8	25 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
d5-EtFOSA	IS	24.9	10 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
d7-MeFOSE	IS	53.2	10 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1
d9-EtFOSE	IS	53.1	10 - 150		B22E116	26-May-22	0.248 L	01-Jun-22 17:44	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-22-14
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-19	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	05-May-22 10:45	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	33.8	0.978	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFPeA	2706-90-3	57.3	0.731	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFBS	375-73-5	6.38	0.876	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
4:2 FTS	757124-72-4	<0.920	0.920	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFHxA	307-24-4	62.1	0.789	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFPeS	2706-91-4	4.39	0.794	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
HFPO-DA	13252-13-6	<1.52	1.52	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFHpA	375-85-9	70.2	0.905	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
ADONA	919005-14-4	<0.620	0.620	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFHxS	355-46-4	45.4	0.997	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
6:2 FTS	27619-97-2	2.98	1.09	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFOA	335-67-1	571	0.925	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFHpS	375-92-8	35.7	0.576	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFNA	375-95-1	102	0.731	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFOSA	754-91-6	42.1	1.06	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFOS	1763-23-1	2100	5.47	9.68	D	B22E116	26-May-22	0.258 L	02-Jun-22 17:42	5
9Cl-PF3ONS	756426-58-1	<1.03	1.03	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFDA	335-76-2	18.1	0.915	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
8:2 FTS	39108-34-4	1.78	1.10	1.94	J	B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFNS	68259-12-1	<1.12	1.12	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
MeFOSAA	2355-31-9	7.51	0.920	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
EtFOSAA	2991-50-6	48.4	1.01	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFUnA	2058-94-8	<0.731	0.731	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFDS	335-77-3	<0.736	0.736	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
11Cl-PF3OUdS	763051-92-9	<0.959	0.959	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFDoA	307-55-1	<0.944	0.944	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
MeFOSA	31506-32-8	<2.17	2.17	2.42		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFTTrDA	72629-94-8	<0.634	0.634	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFDoS	79780-39-5	<1.37	1.37	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
PFTeDA	376-06-7	<0.789	0.789	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
EtFOSA	4151-50-2	<2.25	2.25	2.42		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
MeFOSE	24448-09-7	<1.94	1.94	2.42		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
EtFOSE	1691-99-2	<1.52	1.52	1.94		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	76.0	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C3-PFPeA	IS	77.7	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C3-PFBS	IS	96.5	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1

Sample ID: MW-22-14
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-19	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	05-May-22 10:45	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	73.1	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C2-PFHxA	IS	84.5	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C3-HFPO-DA	IS	96.6	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C4-PFHpA	IS	81.1	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C3-PFHxS	IS	81.8	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C2-6:2 FTS	IS	84.4	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C2-PFOA	IS	78.5	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C5-PFNA	IS	76.8	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C8-PFOA	IS	67.8	10 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C8-PFOS	IS	96.0	25 - 150	D	B22E116	26-May-22	0.258 L	02-Jun-22 17:42	5
13C2-PFDA	IS	83.0	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C2-8:2 FTS	IS	79.2	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
d3-MeFOSAA	IS	87.3	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
d5-EtFOSAA	IS	84.8	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C2-PFUnA	IS	82.7	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C2-PFDoA	IS	83.6	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
d3-MeFOSA	IS	21.7	10 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
13C2-PFTeDA	IS	75.2	25 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
d5-EtFOSA	IS	20.4	10 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
d7-MeFOSE	IS	47.5	10 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1
d9-EtFOSE	IS	52.8	10 - 150		B22E116	26-May-22	0.258 L	01-Jun-22 17:55	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: MW-22-12

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-20	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	05-May-22 12:10	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	21.4	1.00	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFPeA	2706-90-3	26.1	0.751	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFBS	375-73-5	4.96	0.900	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
4:2 FTS	757124-72-4	<0.945	0.945	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFHxA	307-24-4	36.6	0.810	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFPeS	2706-91-4	7.42	0.815	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
HFPO-DA	13252-13-6	<1.56	1.56	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFHpA	375-85-9	35.7	0.930	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
ADONA	919005-14-4	<0.636	0.636	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFHxS	355-46-4	24.7	1.02	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
6:2 FTS	27619-97-2	<1.12	1.12	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFOA	335-67-1	197	0.950	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFHpS	375-92-8	4.30	0.592	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFNA	375-95-1	6.02	0.751	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFOSA	754-91-6	10.5	1.08	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFOS	1763-23-1	149	1.12	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
9Cl-PF3ONS	756426-58-1	<1.06	1.06	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFDA	335-76-2	<0.940	0.940	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
8:2 FTS	39108-34-4	<1.13	1.13	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFNS	68259-12-1	<1.15	1.15	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
MeFOSAA	2355-31-9	<0.945	0.945	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
EtFOSAA	2991-50-6	<1.03	1.03	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFUnA	2058-94-8	<0.751	0.751	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFDS	335-77-3	<0.756	0.756	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
11Cl-PF3OUdS	763051-92-9	<0.984	0.984	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFDoA	307-55-1	<0.969	0.969	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
MeFOSA	31506-32-8	<2.23	2.23	2.49		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFTTrDA	72629-94-8	<0.651	0.651	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFDoS	79780-39-5	<1.41	1.41	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
PFTeDA	376-06-7	<0.810	0.810	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
EtFOSA	4151-50-2	<2.31	2.31	2.49		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
MeFOSE	24448-09-7	<1.99	1.99	2.49		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
EtFOSE	1691-99-2	<1.56	1.56	1.99		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	96.5	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C3-PFPeA	IS	86.3	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C3-PFBS	IS	91.6	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1

Sample ID: MW-22-12
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205093-20	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	05-May-22 12:10	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	93.1	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C2-PFHxA	IS	95.6	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C3-HFPO-DA	IS	91.0	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C4-PFHpA	IS	98.4	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C3-PFHxS	IS	96.2	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C2-6:2 FTS	IS	103	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C2-PFOA	IS	98.3	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C5-PFNA	IS	91.1	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C8-PFOA	IS	67.9	10 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C8-PFOS	IS	105	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C2-PFDA	IS	93.9	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C2-8:2 FTS	IS	92.1	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
d3-MeFOSAA	IS	84.4	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
d5-EtFOSAA	IS	94.0	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C2-PFUnA	IS	97.7	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C2-PFDoA	IS	97.9	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
d3-MeFOSA	IS	31.3	10 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
13C2-PFTeDA	IS	75.4	25 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
d5-EtFOSA	IS	29.4	10 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
d7-MeFOSE	IS	67.4	10 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1
d9-EtFOSE	IS	67.2	10 - 150		B22E116	26-May-22	0.251 L	02-Jun-22 17:52	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Pennsylvania Department of Environmental Protection	018
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 2205093 Temp: 15 °C
 Storage ID: R-13, WR-2 Storage Secured: Yes No

Project ID: GP Broadway Mill PO#: _____ Sampler: Laura Dymstra & Kenny Raluyet (name)

TAT Standard: 21 days
 (check one): Rush (surcharge may apply)
 14 days 7 days Specify: _____

<u>Jared Walbert</u> Relinquished by (printed name and signature)	<u>5/17/22</u> Date	<u>12:50</u> Time	<u>Tt cord storage</u> Received by (printed name and signature)	<u>5/17/22</u> Date	<u>12:50</u> Time
<u>Jared Walbert</u> Relinquished by (printed name and signature)	<u>5/19/22</u> Date	<u>16:15</u> Time	<u>Fedex</u> Received by (printed name and signature)		
<u>Fed Ex</u> Relinquished by (printed name and signature)	<u>05/10/22</u> Date	<u>09:16</u> Time	<u>Kara Y. Frost Klyy</u> Received by (printed name and signature)	<u>05/10/22</u> Date	<u>09:16</u> Time

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 * Fax (916) 673-0106
 ATTN: _____
 Method of Shipment: _____
 Tracking No.: _____

Add Analysis(es) Requested		PFAS by Isotope Dilution	EPA Method 537 (DW only)
Quantity	Type	Matrix	Comments
Container(s)			
OTHER: Please attach analyte list (W/CD/SD/PP/333/Com/20/15/4)			
PFON/PFOS UCMR3 PFAS List: 6			
537.1 List: 14 or 18 (Circle One)			
EPA Draft List of 24			
PFON/PFOS UCMR3 PFAS List: 6			
537.1 List of 14			
537.1 List of 18			

Sample ID	Date	Time	Location/ Sample Description	Quantity	Type	Matrix	PFON/PFOS	UCMR3 PFAS List: 6	537.1 List: 14 or 18 (Circle One)	EPA Draft List of 24	OTHER:	PFAS by Isotope Dilution	EPA Method 537 (DW only)	Comments
MW-20-02	5-3-22	9:15		2	P	WT					X			
MW-20-03	5-2-22	14:15		2	P	WT					X			
MW-21-04	5-4-22	9:10		2	P	WT					X			
MW-21-05	5-3-22	12:05		2	P	WT					X			
MW-21-06	5-3-22	14:15		2	P	WT					X			
MW-21-07	5-3-22	14:55		2	P	WT					X			
MW-21-08	5-2-22	15:35		2	P	WT					X			
MW-21-09	5-2-22	15:50		2	D	WT					X			
MW-21-10	5-3-22	10:50		2	D	WT					X			
MW-21-11	5-3-22	10:00		2	P	WT					X			

Special Instructions/Comment

Name: Mike Savale
 Company: Tetra Tech
 Address: 710 Avis Drive, #100
 City: Ann Arbor State: MI Zip: 48108
 Phone: 810-423-8076
 Email: michael.savale@tetratech.com

Container Types: P = HDPE, PJ = HDPE Jar Bottle Preservation Type: _____ Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, PY = Polypropylene, O = Other _____ TZ = Trizma: _____ SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other _____



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 2205093 Temp: 1.5 °C
 Storage ID: R-13, WR-2 Storage Secured: Yes No

Project ID: GP Broadway Mill PO#: _____ Sampler: Laura Dymstra + Kenny Rodriguez (name)
 TAT Standard: 21 days (check one): Rush (surcharge may apply) 14 days 7 days Specify: _____

Relinquished by (printed name and signature) Jared Walbert Jared Walbert Date 5/17/22 Time 12:50 Received by (printed name and signature) _____ Date _____ Time _____
 Relinquished by (printed name and signature) Jared Walbert Date 5/19/22 Time 16:15 Received by (printed name and signature) Fedex Date 05/19/22 Time 09:14
 Relinquished by (printed name and signature) Ked Ex Date 05/19/22 Time 09:14 Received by (printed name and signature) Kenneth A. King Date 05/19/22 Time 09:14

SHIP TO: Vista Analytical Laboratory
 1104 Windfield Way
 El Dorado Hills, CA 95762
 (916) 673-1520 * Fax (916) 673-0106
 Method of Shipment: _____ Tracking No.: _____
 ATTN: _____

Sample ID	Date	Time	Location/ Sample Description	Add Analysis(es) Requested										Comments										
				Quantity	Type	Matrix	PFOA/PFOS	UCMR3 PFAS List:6	537.1 List: 14 or 18 (Circle One)	EPA Draft List of 24	OTHER: Please attach analyte list	PFAS by Isotope Dilution	EPA Method 537 (DW only)											
MW-22-15	5-3-22	10:20		2	D	WT																		
DUP-01	5-3-22	—		2	D	WT																		
DUP-02	5-4-22	—		2	D	WT																		
Equipment blank-1	5-3-22	11:55		2	P	WT																		
Equipment blank-2	5-3-22	8:05			P	WT																		
Field blank-1	5-3-22	11:53		1	P	WT																		
Field blank-2	5-3-22	8:06		1	P	WT																		
MW-22-13	5/5/22	4:00		2	D	WT																		
MW-22-14	5/5/22	10:45		2	P	WT																		
MW-22-12	5/5/22	12:10		2	P	WT																		

Special Instructions/Comment: _____
 Name: Mine Savale
 Company: Tetra Tech
 Address: 710 Avis Drive, Suite 100
 City: Ann Arbor State: MI Zip: 48106
 Phone: 010-923-8076
 Email: michael.savale@tetratech.com

Container Types: P = HDPE, PJ = HDPE Jar Bottle Preservation Type: _____ Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, PY = Polypropylene, O = Other _____ TZ = Trizma: _____ SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other _____



Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2205093 TAT SH

Samples Arrival:	Date/Time <u>05/10/22 09:16</u>	Initials: <u>KA</u>	Location: <u>WR-2</u>
			Shelf/Rack: <u>M12</u>
Delivered By:	<input checked="" type="radio"/> FedEx	<input type="radio"/> UPS	<input type="radio"/> On Trac
	<input type="radio"/> GLS	<input type="radio"/> DHL	<input type="radio"/> Hand Delivered
	<input type="radio"/> Other		
Preservation:	<input checked="" type="radio"/> Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Techni Ice
	<input type="radio"/> Dry Ice	<input type="radio"/> None	
Temp °C:	<u>1.6</u> (uncorrected)	Probe used: Y <input checked="" type="radio"/> N	Thermometer ID: <u>IR-3</u>
Temp °C:	<u>1.5</u> (corrected)		

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Airbill <u>/</u>	Trk # <u>2729 4028 6758</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input checked="" type="radio"/> Vista	<input type="radio"/> Client	<input checked="" type="radio"/> Retain
	<input type="radio"/> Return	<input type="radio"/> Dispose	
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Logged In:	Date/Time <u>05/10/22 15:55</u>	Initials: <u>KA</u>	Location: <u>R-13, WR-2</u>
			Shelf/Rack: <u>A-4, F-6</u>
COC Anomaly/Sample Acceptance Form completed?			<input checked="" type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2205093

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2205093-01	A MW-20-02	<input type="checkbox"/> A <input type="checkbox"/> B	03-May-22 09:15	HDPE Bottle, 250 mL	Aqueous	
2205093-01	B MW-20-02	<input type="checkbox"/> I	03-May-22 09:15	HDPE Bottle, 250 mL	Aqueous	
2205093-02	A MW-20-03	<input checked="" type="checkbox"/>	02-May-22 14:15	HDPE Bottle, 250 mL	Aqueous	
2205093-02	B MW-20-03	<input checked="" type="checkbox"/>	02-May-22 14:15	HDPE Bottle, 250 mL	Aqueous	
2205093-03	A MW-21-04	<input checked="" type="checkbox"/>	04-May-22 09:10	HDPE Bottle, 250 mL	Aqueous	
2205093-03	B MW-21-04	<input checked="" type="checkbox"/>	04-May-22 09:10	HDPE Bottle, 250 mL	Aqueous	
2205093-04	A MW-21-05	<input checked="" type="checkbox"/>	03-May-22 12:05	HDPE Bottle, 250 mL	Aqueous	
2205093-04	B MW-21-05	<input checked="" type="checkbox"/>	03-May-22 12:05	HDPE Bottle, 250 mL	Aqueous	
2205093-05	A MW-21-06	<input checked="" type="checkbox"/> C	03-May-22 14:15	HDPE Bottle, 250 mL	Aqueous	
2205093-05	B MW-21-06	<input checked="" type="checkbox"/> I	03-May-22 14:15	HDPE Bottle, 250 mL	Aqueous	
2205093-06	A MW-21-07	<input checked="" type="checkbox"/>	03-May-22 14:55	HDPE Bottle, 250 mL	Aqueous	
2205093-06	B MW-21-07	<input checked="" type="checkbox"/>	03-May-22 14:55	HDPE Bottle, 250 mL	Aqueous	
2205093-07	A MW-21-08	<input checked="" type="checkbox"/>	02-May-22 15:35	HDPE Bottle, 250 mL	Aqueous	
2205093-07	B MW-21-08	<input checked="" type="checkbox"/>	02-May-22 15:35	HDPE Bottle, 250 mL	Aqueous	
2205093-08	A MW-21-09	<input checked="" type="checkbox"/>	02-May-22 15:50	HDPE Bottle, 250 mL	Aqueous	
2205093-08	B MW-21-09	<input checked="" type="checkbox"/>	02-May-22 15:50	HDPE Bottle, 250 mL	Aqueous	
2205093-09	A MW-21-10	<input checked="" type="checkbox"/>	03-May-22 10:50	HDPE Bottle, 250 mL	Aqueous	
2205093-09	B MW-21-10	<input checked="" type="checkbox"/>	03-May-22 10:50	HDPE Bottle, 250 mL	Aqueous	
2205093-10	A MW-21-11	<input checked="" type="checkbox"/>	03-May-22 10:00	HDPE Bottle, 250 mL	Aqueous	
2205093-10	B MW-21-11	<input checked="" type="checkbox"/>	03-May-22 10:00	HDPE Bottle, 250 mL	Aqueous	
2205093-11	A MW-22-15	<input checked="" type="checkbox"/>	03-May-22 16:20	HDPE Bottle, 250 mL	Aqueous	
2205093-11	B MW-22-15	<input checked="" type="checkbox"/>	03-May-22 16:20	HDPE Bottle, 250 mL	Aqueous	
2205093-12	A DUP-01	<input checked="" type="checkbox"/>	03-May-22 00:00	HDPE Bottle, 250 mL	Aqueous	
2205093-12	B DUP-01	<input checked="" type="checkbox"/>	03-May-22 00:00	HDPE Bottle, 250 mL	Aqueous	
2205093-13	A DUP-02	<input checked="" type="checkbox"/>	04-May-22 00:00	HDPE Bottle, 250 mL	Aqueous	
2205093-13	B DUP-02	<input checked="" type="checkbox"/>	04-May-22 00:00	HDPE Bottle, 250 mL	Aqueous	
2205093-14	A Equipment blank-1	<input checked="" type="checkbox"/>	02-May-22 11:55	HDPE Bottle, 250 mL	Aqueous	
2205093-14	B Equipment blank-1	<input checked="" type="checkbox"/>	02-May-22 11:55	HDPE Bottle, 250 mL	Aqueous	

2205093-15	A	Equipment blank-2	<input checked="" type="checkbox"/> (E)	03-May-22 08:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2205093-16	A	Field blank-1	<input checked="" type="checkbox"/>	02-May-22 11:53	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2205093-17	A	Field blank-2	<input checked="" type="checkbox"/>	03-May-22 08:06	<input type="checkbox"/> (F)	HDPE Bottle, 250 mL	Aqueous
2205093-18	A	MW-22-13	<input checked="" type="checkbox"/>	05-May-22 09:00	<input checked="" type="checkbox"/> (F)	HDPE Bottle, 250 mL	Aqueous
2205093-18	B	MW-22-13	<input checked="" type="checkbox"/>	05-May-22 09:00	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2205093-19	A	MW-22-14	<input checked="" type="checkbox"/>	05-May-22 10:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2205093-19	B	MW-22-14	<input checked="" type="checkbox"/>	05-May-22 10:45	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2205093-20	A	MW-22-12	<input checked="" type="checkbox"/>	05-May-22 12:10	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous
2205093-20	B	MW-22-12	<input checked="" type="checkbox"/>	05-May-22 12:10	<input checked="" type="checkbox"/>	HDPE Bottle, 250 mL	Aqueous

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sample Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Adequate Sample Volume?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Container Type Appropriate for Analysis(es)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Comments: (A) Sample label: MW-20-2
(B) Sample color is a medium brown
(C) Sample color is a pale orange
(D) No time listed on sample label
(E) No Backup volume
(F) Sample label time 0905

Verified by/Date: KW 05/11/2022



ANOMALY FORM

Vista Work Order 2205093

Initial/Date The following checked issues were noted during sample receipt and login:

- 1. **The samples were received out of temperature at (WI-PHT):** _____
Was Ice present: Yes No Melted Blue Ice
- 2. The Chain-of-Custody (CoC) was not relinquished properly.
- 10/25/11/22 3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
- 4. The sample(s) did not include a sample collection time. All or Sample Name: _____
- 10/25/11/22 5. A sample ID discrepancy was found. See the Reconciliation report.
The CoC Sample ID will be used unless notified otherwise.
- 6. A sample date and/or time discrepancy was found. See the Reconciliation report.
The CoC Sample date/time will be used unless notified otherwise.
- 7. **The CoC did not include a sample matrix. The following sample matrix will be used:** _____
- 8. **Insufficient volume received for analysis. All or Sample Name:** _____
- 9. The backup bottle was received broken. Sample Name: _____
- 10. CoC not received, illegible or destroyed.
- 11. **The sample(s) were received out of holding time. All or Sample Name:** _____
- 12. **The CoC did not include an analysis. All or Sample Name:** _____
- 13. **Sample(s) received without collection date. All or Sample Name:** _____
- 14. **Sample(s) not received. All or Sample Name:** _____
- 15. **Sample(s) received broken. All or Sample Name:** _____
- 16. **An incorrect container-type was used. All or Sample Name:** _____
- 17. The Field Reagent Blank (FRB) preservative was from a different lot than the field samples.
Will proceed with analysis and narrate unless notified otherwise.
- 18. Other:

Bolded items require sign-off

Client Contacted: _____

Date of Contact: _____

Vista Client Manager: _____

Resolution:

Vista Work Order No. 2205095

Case Narrative

Sample Condition on Receipt:

One water sample and six soil samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. The samples were received in good condition and within the recommended temperature requirements. No collection time was noted on the Chain-of-Custody (CoC) for sample "DUP-01-Soil"; the collection time has been reported as 00:00. As directed, the samples with a matrix code of "SL" on the CoC were soils and not sludges.

Analytical Notes:

PFAS Isotope Dilution Method - Aqueous

The sample was extracted and analyzed for a selected list of PFAS using Vista's PFAS Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The sample was extracted and analyzed within the hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above the Reporting Limit. The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries for all QC and field samples were within the acceptance criteria.

PFAS Isotope Dilution Method - Solid

The samples were extracted and analyzed for a selected list of PFAS using Vista's Isotope Dilution Method. The results for PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Holding Times

The samples were extracted and analyzed within the hold times. The samples were re-extracted outside of the hold time.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with each preparation batch. No analytes were detected in the Method Blanks above the Reporting Limit (RL). The OPR recoveries were within the method acceptance criteria.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
2205095-04	SB-22-04	PFAS Isotope Dilution Method	d3-MeFOSA	H	9.30
2205095-07	DUP-01-Soil	PFAS Isotope Dilution Method	d5-EtFOSA	H	2.80
B22E216-BLK1	B22E216-BLK1	PFAS Isotope Dilution Method	d5-EtFOSA	H	5.00
B22E216-BS1	B22E216-BS1	PFAS Isotope Dilution Method	d5-EtFOSA	H	5.70
B22F021-BS1	B22F021-BS1	PFAS Isotope Dilution Method	d3-MeFOSA	H	6.80

H = Recovery was outside laboratory acceptance criteria.

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Sample Inventory Report



Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2205095-01	GP-02	06-May-22 14:40	10-May-22 09:16	HDPE Bottle, 250 mL HDPE Bottle, 250 mL
2205095-02	SB-22-01	02-May-22 12:55	10-May-22 09:16	HDPE Jar, 6 oz
2205095-03	SB-22-02	02-May-22 15:00	10-May-22 09:16	HDPE Jar, 6 oz
2205095-04	SB-22-04	03-May-22 09:30	10-May-22 09:16	HDPE Jar, 6 oz
2205095-05	SB-22-05	03-May-22 14:00	10-May-22 09:16	HDPE Jar, 6 oz
2205095-06	SB-22-06	03-May-22 15:45	10-May-22 09:16	HDPE Jar, 6 oz
2205095-07	DUP-01-Soil	03-May-22 00:00	10-May-22 09:16	HDPE Jar, 6 oz

ANALYTICAL RESULTS

Sample ID: Method Blank
PFAS Isotope Dilution Method

Client Data				Laboratory Data						
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	B22E192-BLK1	Column:	BEH C18			
Project:	GP Broadway Mill									

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<1.01	1.01	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFPeA	2706-90-3	<0.755	0.755	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFBS	375-73-5	<0.905	0.905	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
4:2 FTS	757124-72-4	<0.950	0.950	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFHxA	307-24-4	<0.815	0.815	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFPeS	2706-91-4	<0.820	0.820	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
HFPO-DA	13252-13-6	<1.57	1.57	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFHpA	375-85-9	<0.935	0.935	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
ADONA	919005-14-4	<0.640	0.640	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFHxS	355-46-4	<1.03	1.03	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
6:2 FTS	27619-97-2	<1.13	1.13	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFOA	335-67-1	<0.955	0.955	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFHpS	375-92-8	<0.595	0.595	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFNA	375-95-1	<0.755	0.755	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFOSA	754-91-6	<1.09	1.09	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFOS	1763-23-1	<1.13	1.13	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
9Cl-PF3ONS	756426-58-1	<1.07	1.07	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFDA	335-76-2	<0.945	0.945	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
8:2 FTS	39108-34-4	<1.14	1.14	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFNS	68259-12-1	<1.16	1.16	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
MeFOSAA	2355-31-9	<0.950	0.950	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
EtFOSAA	2991-50-6	<1.04	1.04	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFUnA	2058-94-8	<0.755	0.755	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFDS	335-77-3	<0.760	0.760	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
11Cl-PF3OUdS	763051-92-9	<0.990	0.990	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFDoA	307-55-1	<0.975	0.975	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
MeFOSA	31506-32-8	<2.24	2.24	2.50		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFTrDA	72629-94-8	<0.655	0.655	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFDoS	79780-39-5	<1.42	1.42	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
PFTeDA	376-06-7	<0.815	0.815	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
EtFOSA	4151-50-2	<2.33	2.33	2.50		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
MeFOSE	24448-09-7	<2.00	2.00	2.50		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
EtFOSE	1691-99-2	<1.57	1.57	2.00		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	64.6	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C3-PFPeA	IS	72.1	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C3-PFBS	IS	87.2	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C2-4:2 FTS	IS	78.2	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1

Sample ID: Method Blank
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	B22E192-BLK1	Column:	BEH C18
Project:	GP Broadway Mill						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxA	IS	82.9	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C3-HFPO-DA	IS	88.8	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C4-PFHpA	IS	82.8	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C3-PFHxS	IS	83.7	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C2-6:2 FTS	IS	80.9	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C2-PFOA	IS	80.3	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C5-PFNA	IS	79.0	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C8-PFOA	IS	58.1	10 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C8-PFOS	IS	81.2	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C2-PFDA	IS	83.3	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C2-8:2 FTS	IS	77.7	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
d3-MeFOSAA	IS	75.6	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
d5-EtFOSAA	IS	82.0	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C2-PFUnA	IS	82.3	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C2-PFDoA	IS	84.3	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
d3-MeFOSA	IS	24.8	10 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
13C2-PFTeDA	IS	52.9	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
d5-EtFOSA	IS	24.5	10 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
d7-MeFOSE	IS	40.2	10 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1
d9-EtFOSE	IS	41.5	10 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:39	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data					Laboratory Data							
Name:	Tetra Tech	Matrix:	Aqueous		Lab Sample:	B22E192-BS1	Column:	BEH C18				
Project:	GP Broadway Mill											

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	3.55	4.00	88.9	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFPeA	2706-90-3	3.59	4.00	89.8	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFBS	375-73-5	3.56	4.00	88.9	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
4:2 FTS	757124-72-4	3.97	4.00	99.3	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFHxA	307-24-4	3.57	4.00	89.1	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFPeS	2706-91-4	3.14	4.00	78.4	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
HFPO-DA	13252-13-6	4.19	4.00	105	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFHpA	375-85-9	3.68	4.00	92.1	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
ADONA	919005-14-4	3.61	4.00	90.2	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFHxS	355-46-4	3.21	4.00	80.3	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
6:2 FTS	27619-97-2	3.50	4.00	87.5	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFOA	335-67-1	3.71	4.00	92.7	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFHpS	375-92-8	4.59	4.00	115	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFNA	375-95-1	3.79	4.00	94.7	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFOSA	754-91-6	3.63	4.00	90.7	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFOS	1763-23-1	3.40	4.00	85.0	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
9Cl-PF3ONS	756426-58-1	3.42	4.00	85.6	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFDA	335-76-2	3.40	4.00	85.0	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
8:2 FTS	39108-34-4	4.19	4.00	105	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFNS	68259-12-1	4.09	4.00	102	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
MeFOSAA	2355-31-9	3.48	4.00	86.9	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
EtFOSAA	2991-50-6	3.23	4.00	80.7	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFUnA	2058-94-8	3.69	4.00	92.3	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFDS	335-77-3	3.17	4.00	79.3	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
11Cl-PF3OUdS	763051-92-9	3.69	4.00	92.3	50 - 150	Q	B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFDoA	307-55-1	3.44	4.00	85.9	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
MeFOSA	31506-32-8	4.17	4.00	104	50 - 150	Q	B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFTTrDA	72629-94-8	3.17	4.00	79.2	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFDoS	79780-39-5	4.43	4.00	111	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
PFTeDA	376-06-7	3.90	4.00	97.6	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
EtFOSA	4151-50-2	4.96	4.00	124	50 - 150	Q	B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data					Laboratory Data							
Name:	Tetra Tech	Matrix:	Aqueous		Lab Sample:	B22E192-BS1	Column:	BEH C18				
Project:	GP Broadway Mill											

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
MeFOSE	24448-09-7	3.31	4.00	82.7	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
EtFOSE	1691-99-2	4.50	4.00	113	50 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
Labeled Standards			Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA			IS	53.4	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C3-PFPeA			IS	70.1	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C3-PFBS			IS	87.4	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C2-4:2 FTS			IS	75.2	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C2-PFHxA			IS	85.1	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C3-HFPO-DA			IS	94.4	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C4-PFHpA			IS	84.5	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C3-PFHxS			IS	82.7	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C2-6:2 FTS			IS	76.4	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C2-PFOA			IS	88.0	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C5-PFNA			IS	82.9	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C8-PFOA			IS	59.1	10 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C8-PFOS			IS	85.7	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C2-PFDA			IS	83.5	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C2-8:2 FTS			IS	77.8	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
d3-MeFOSAA			IS	79.6	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
d5-EtFOSAA			IS	74.5	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C2-PFUnA			IS	82.1	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C2-PFDoA			IS	77.2	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
d3-MeFOSA			IS	26.0	10 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
13C2-PFTeDA			IS	43.2	25 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
d5-EtFOSA			IS	26.8	10 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
d7-MeFOSE			IS	38.3	10 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1
d9-EtFOSE			IS	40.8	10 - 150		B22E192	27-May-22	0.250 L	01-Jun-22 22:49	1

Sample ID: GP-02
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205095-01	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	06-May-22 14:40	Date Received:	10-May-22 09:16		

Analyte	CAS Number	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	7.34	1.02	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFPeA	2706-90-3	2.71	0.761	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFBS	375-73-5	1.70	0.912	2.02	J	B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
4:2 FTS	757124-72-4	<0.958	0.958	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFHxA	307-24-4	3.56	0.822	2.02	Q	B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFPeS	2706-91-4	<0.827	0.827	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
HFPO-DA	13252-13-6	<1.58	1.58	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFHpA	375-85-9	1.71	0.943	2.02	J	B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
ADONA	919005-14-4	<0.645	0.645	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFHxS	355-46-4	1.18	1.04	2.02	J	B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
6:2 FTS	27619-97-2	<1.13	1.13	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFOA	335-67-1	6.44	0.963	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFHpS	375-92-8	<0.600	0.600	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFNA	375-95-1	<0.761	0.761	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFOSA	754-91-6	5.73	1.10	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFOS	1763-23-1	<1.14	1.14	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
9Cl-PF3ONS	756426-58-1	<1.07	1.07	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFDA	335-76-2	<0.953	0.953	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
8:2 FTS	39108-34-4	<1.14	1.14	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFNS	68259-12-1	<1.16	1.16	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
MeFOSAA	2355-31-9	<0.958	0.958	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
EtFOSAA	2991-50-6	<1.05	1.05	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFUnA	2058-94-8	<0.761	0.761	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFDS	335-77-3	<0.766	0.766	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
11Cl-PF3OUdS	763051-92-9	<0.998	0.998	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFDoA	307-55-1	<0.983	0.983	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
MeFOSA	31506-32-8	<2.26	2.26	2.52		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFTrDA	72629-94-8	<0.660	0.660	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFDoS	79780-39-5	<1.43	1.43	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
PFTeDA	376-06-7	<0.822	0.822	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
EtFOSA	4151-50-2	<2.34	2.34	2.52		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
MeFOSE	24448-09-7	<2.02	2.02	2.52		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
EtFOSE	1691-99-2	<1.58	1.58	2.02		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	76.3	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C3-PFPeA	IS	82.9	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C3-PFBS	IS	98.4	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1

Sample ID: GP-02
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Water	Lab Sample:	2205095-01	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	06-May-22 14:40	Date Received:	10-May-22 09:16		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	77.6	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C2-PFHxA	IS	89.0	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C3-HFPO-DA	IS	88.3	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C4-PFHpA	IS	84.8	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C3-PFHxS	IS	84.7	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C2-6:2 FTS	IS	82.4	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C2-PFOA	IS	85.4	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C5-PFNA	IS	81.5	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C8-PFOA	IS	60.4	10 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C8-PFOS	IS	81.7	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C2-PFDA	IS	83.6	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C2-8:2 FTS	IS	76.6	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
d3-MeFOSAA	IS	87.8	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
d5-EtFOSAA	IS	91.6	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C2-PFUnA	IS	83.2	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C2-PFDoA	IS	84.7	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
d3-MeFOSA	IS	13.5	10 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
13C2-PFTeDA	IS	76.3	25 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
d5-EtFOSA	IS	14.8	10 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
d7-MeFOSE	IS	39.9	10 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1
d9-EtFOSE	IS	45.5	10 - 150		B22E192	27-May-22	0.248 L	01-Jun-22 23:00	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: Method Blank					PFAS Isotope Dilution Method					
Client Data				Laboratory Data						
Name:	Tetra Tech	Matrix:	Solid	Lab Sample:	B22E216-BLK1	Column:	BEH C18			
Project:	GP Broadway Mill									
Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFHxS	355-46-4	<0.308	0.308	0.500		B22E216	26-May-22	1.00 g	01-Jun-22 18:47	1
PFOS	1763-23-1	<0.648	0.648	1.00		B22E216	26-May-22	1.00 g	01-Jun-22 18:47	1
EtFOSA	4151-50-2	<0.776	0.776	1.00		B22E216	26-May-22	1.00 g	01-Jun-22 18:47	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFHxS	IS	82.7	25 - 150		B22E216	26-May-22	1.00 g	01-Jun-22 18:47	1	
13C8-PFOS	IS	87.3	25 - 150		B22E216	26-May-22	1.00 g	01-Jun-22 18:47	1	
d5-EtFOSA	IS	5.00	10 - 150	H	B22E216	26-May-22	1.00 g	01-Jun-22 18:47	1	

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR
PFAS Isotope Dilution Method

Client Data					Laboratory Data						
Name:	Tetra Tech	Matrix:	Solid		Lab Sample:	B22E216-BS1	Column:	BEH C18			
Project:	GP Broadway Mill										

Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFHxS	355-46-4	1.15	1.00	115	50 - 150		B22E216	26-May-22	1.00 g	01-Jun-22 18:58	1
PFOS	1763-23-1	0.997	1.00	99.7	50 - 150	J	B22E216	26-May-22	1.00 g	01-Jun-22 18:58	1
EtFOSA	4151-50-2	0.631	1.00	63.1	50 - 150	J	B22E216	26-May-22	1.00 g	01-Jun-22 18:58	1
Labeled Standards		Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFHxS		IS		111	25 - 150		B22E216	26-May-22	1.00 g	01-Jun-22 18:58	1
13C8-PFOS		IS		111	25 - 150		B22E216	26-May-22	1.00 g	01-Jun-22 18:58	1
d5-EtFOSA		IS		5.70	10 - 150	H	B22E216	26-May-22	1.00 g	01-Jun-22 18:58	1

Sample ID: Method Blank
PFAS Isotope Dilution Method

Client Data				Laboratory Data						
Name:	Tetra Tech	Matrix:	Solid	Lab Sample:	B22F021-BLK1	Column:	BEH C18			
Project:	GP Broadway Mill									

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.460	0.460	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFPeA	2706-90-3	<0.368	0.368	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFBS	375-73-5	<0.306	0.306	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
4:2 FTS	757124-72-4	<0.644	0.644	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFHxA	307-24-4	<0.320	0.320	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFPeS	2706-91-4	<0.300	0.300	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
HFPO-DA	13252-13-6	<0.868	0.868	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFHpA	375-85-9	<0.486	0.486	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
ADONA	919005-14-4	<0.252	0.252	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
6:2 FTS	27619-97-2	<0.518	0.518	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFOA	335-67-1	<0.270	0.270	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFHpS	375-92-8	<0.516	0.516	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFNA	375-95-1	<0.372	0.372	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFOSA	754-91-6	<0.572	0.572	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
9Cl-PF3ONS	756426-58-1	<0.328	0.328	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFDA	335-76-2	<0.442	0.442	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
8:2 FTS	39108-34-4	<0.588	0.588	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFNS	68259-12-1	<0.828	0.828	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
MeFOSAA	2355-31-9	<0.404	0.404	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
EtFOSAA	2991-50-6	<0.380	0.380	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFUnA	2058-94-8	<0.506	0.506	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFDS	335-77-3	<0.242	0.242	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
11Cl-PF3OUdS	763051-92-9	<0.532	0.532	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFDoA	307-55-1	<0.456	0.456	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
MeFOSA	31506-32-8	<1.34	1.34	1.50		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFTrDA	72629-94-8	<0.406	0.406	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFDoS	79780-39-5	<0.422	0.422	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
PFTeDA	376-06-7	<0.428	0.428	0.500		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
MeFOSE	24448-09-7	<0.620	0.620	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
EtFOSE	1691-99-2	<0.736	0.736	1.00		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution	
13C3-PFBA	IS	104	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1	
13C3-PFPeA	IS	82.6	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1	
13C3-PFBS	IS	87.6	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1	
13C2-4:2 FTS	IS	82.8	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1	
13C2-PFHxA	IS	84.2	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1	
13C3-HFPO-DA	IS	88.8	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1	
13C4-PFHpA	IS	85.8	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1	

Sample ID: Method Blank
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Solid	Lab Sample:	B22F021-BLK1	Column:	BEH C18
Project:	GP Broadway Mill						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-6:2 FTS	IS	72.9	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
13C2-PFOA	IS	90.8	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
13C5-PFNA	IS	75.2	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
13C8-PFOA	IS	40.6	10 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
13C2-PFDA	IS	72.8	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
13C2-8:2 FTS	IS	80.3	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
d3-MeFOSAA	IS	59.9	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
d5-EtFOSAA	IS	63.0	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
13C2-PFUnA	IS	54.4	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
13C2-PFDoA	IS	54.3	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
d3-MeFOSA	IS	10.1	10 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
13C2-PFTeDA	IS	64.4	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
d7-MeFOSE	IS	26.4	10 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1
d9-EtFOSE	IS	25.9	10 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:26	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data					Laboratory Data							
Name:	Tetra Tech	Matrix:	Solid		Lab Sample:	B22F021-BS1	Column:	BEH C18				
Project:	GP Broadway Mill											

Analyte	CAS Number	Amt Found (ng/g)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	0.994	1.00	99.4	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFPeA	2706-90-3	0.917	1.00	91.7	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFBS	375-73-5	0.784	1.00	78.4	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
4:2 FTS	757124-72-4	0.953	1.00	95.3	50 - 150	J, Q	B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFHxA	307-24-4	1.04	1.00	104	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFPeS	2706-91-4	0.900	1.00	90.0	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
HFPO-DA	13252-13-6	1.18	1.00	118	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFHpA	375-85-9	1.00	1.00	100	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
ADONA	919005-14-4	0.915	1.00	91.5	50 - 150	Q	B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
6:2 FTS	27619-97-2	0.962	1.00	96.2	50 - 150	J	B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFOA	335-67-1	1.01	1.00	101	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFHpS	375-92-8	1.06	1.00	106	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFNA	375-95-1	0.966	1.00	96.6	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFOSA	754-91-6	1.03	1.00	103	50 - 150	Q	B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
9Cl-PF3ONS	756426-58-1	0.881	1.00	88.1	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFDA	335-76-2	0.943	1.00	94.3	50 - 150	Q	B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
8:2 FTS	39108-34-4	0.685	1.00	68.5	50 - 150	J, Q	B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFNS	68259-12-1	0.804	1.00	80.4	50 - 150	J	B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
MeFOSAA	2355-31-9	0.877	1.00	87.7	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
EtFOSAA	2991-50-6	0.851	1.00	85.1	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFUnA	2058-94-8	1.22	1.00	122	50 - 150	Q	B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFDS	335-77-3	0.983	1.00	98.3	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
11Cl-PF3OUdS	763051-92-9	1.33	1.00	133	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFDoA	307-55-1	0.923	1.00	92.3	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
MeFOSA	31506-32-8	1.06	1.00	106	50 - 150	J, Q	B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFTTrDA	72629-94-8	1.07	1.00	107	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFDoS	79780-39-5	0.919	1.00	91.9	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
PFTeDA	376-06-7	1.00	1.00	100	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
MeFOSE	24448-09-7	1.40	1.00	140	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
EtFOSE	1691-99-2	1.07	1.00	107	50 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	103	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C3-PFPeA	IS	79.7	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C3-PFBS	IS	84.6	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1

Sample ID: OPR
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Solid	Lab Sample:	B22F021-BS1	Column:	BEH C18
Project:	GP Broadway Mill						

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	80.7	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C2-PFHxA	IS	74.4	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C3-HFPO-DA	IS	75.7	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C4-PFHpA	IS	82.3	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C2-6:2 FTS	IS	71.7	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C2-PFOA	IS	79.0	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C5-PFNA	IS	69.4	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C8-PFOSA	IS	34.6	10 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C2-PFDA	IS	76.2	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C2-8:2 FTS	IS	86.2	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
d3-MeFOSAA	IS	63.1	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
d5-EtFOSAA	IS	57.5	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C2-PFUnA	IS	48.1	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C2-PFDoA	IS	54.3	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
d3-MeFOSA	IS	6.80	10 - 150	H	B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
13C2-PFTeDA	IS	63.3	25 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
d7-MeFOSE	IS	23.9	10 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1
d9-EtFOSE	IS	23.9	10 - 150		B22F021	06-Jun-22	1.00 g	22-Jun-22 16:36	1

Sample ID: SB-22-01
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-02	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 12:55	Date Received:	10-May-22 09:16		
				% Solids:	72.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.450	0.450	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFPeA	2706-90-3	<0.360	0.360	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFBS	375-73-5	<0.300	0.300	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
4:2 FTS	757124-72-4	<0.631	0.631	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFHxA	307-24-4	<0.313	0.313	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFPeS	2706-91-4	<0.294	0.294	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
HFPO-DA	13252-13-6	<0.850	0.850	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFHpA	375-85-9	<0.476	0.476	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
ADONA	919005-14-4	<0.247	0.247	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFHxS	355-46-4	<0.302	0.302	0.490		B22E216	26-May-22	1.40 g	01-Jun-22 19:19	1
6:2 FTS	27619-97-2	<0.507	0.507	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFOA	335-67-1	<0.264	0.264	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFHpS	375-92-8	<0.505	0.505	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFNA	375-95-1	<0.364	0.364	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFOSA	754-91-6	<0.560	0.560	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFOS	1763-23-1	<0.634	0.634	0.979		B22E216	26-May-22	1.40 g	01-Jun-22 19:19	1
9Cl-PF3ONS	756426-58-1	<0.321	0.321	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFDA	335-76-2	<0.433	0.433	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
8:2 FTS	39108-34-4	<0.576	0.576	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFNS	68259-12-1	<0.811	0.811	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
MeFOSAA	2355-31-9	<0.396	0.396	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
EtFOSAA	2991-50-6	1.98	0.372	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFUnA	2058-94-8	<0.495	0.495	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFDS	335-77-3	<0.237	0.237	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
11Cl-PF3OUdS	763051-92-9	<0.521	0.521	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFDoA	307-55-1	<0.447	0.447	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
MeFOSA	31506-32-8	<1.31	1.31	1.47		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFTrDA	72629-94-8	<0.398	0.398	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFDoS	79780-39-5	<0.413	0.413	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
PFTeDA	376-06-7	<0.419	0.419	0.490		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
EtFOSA	4151-50-2	<0.760	0.760	0.979		B22E216	26-May-22	1.40 g	01-Jun-22 19:19	1
MeFOSE	24448-09-7	<0.607	0.607	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
EtFOSE	1691-99-2	<0.721	0.721	0.979		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	103	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C3-PFPeA	IS	82.4	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C3-PFBS	IS	76.9	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1

Sample ID: SB-22-01
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-02	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 12:55	Date Received:	10-May-22 09:16		
				% Solids:	72.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	88.5	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C2-PFHxA	IS	80.2	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C3-HFPO-DA	IS	77.4	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C4-PFHpA	IS	83.5	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C3-PFHxS	IS	93.4	25 - 150		B22E216	26-May-22	1.40 g	01-Jun-22 19:19	1
13C2-6:2 FTS	IS	91.5	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C2-PFOA	IS	87.0	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C5-PFNA	IS	74.8	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C8-PFOA	IS	55.4	10 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C8-PFOS	IS	82.3	25 - 150		B22E216	26-May-22	1.40 g	01-Jun-22 19:19	1
13C2-PFDA	IS	64.0	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C2-8:2 FTS	IS	96.7	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
d3-MeFOSAA	IS	72.1	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
d5-EtFOSAA	IS	74.9	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C2-PFUnA	IS	77.8	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C2-PFDoA	IS	75.4	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
d3-MeFOSA	IS	38.9	10 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
13C2-PFTeDA	IS	56.8	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
d5-EtFOSA	IS	39.9	10 - 150		B22E216	26-May-22	1.40 g	01-Jun-22 19:19	1
d7-MeFOSE	IS	48.0	10 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1
d9-EtFOSE	IS	54.2	10 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:13	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SB-22-02
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-03	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 15:00	Date Received:	10-May-22 09:16		
				% Solids:	72.8		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.461	0.461	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFPeA	2706-90-3	<0.369	0.369	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFBS	375-73-5	<0.307	0.307	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
4:2 FTS	757124-72-4	<0.645	0.645	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFHxA	307-24-4	<0.321	0.321	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFPeS	2706-91-4	<0.301	0.301	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
HFPO-DA	13252-13-6	<0.870	0.870	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFHpA	375-85-9	<0.487	0.487	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
ADONA	919005-14-4	<0.253	0.253	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFHxS	355-46-4	<0.304	0.304	0.494		B22E216	26-May-22	1.39 g	01-Jun-22 19:29	1
6:2 FTS	27619-97-2	<0.519	0.519	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFOA	335-67-1	<0.271	0.271	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFHpS	375-92-8	<0.517	0.517	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFNA	375-95-1	<0.373	0.373	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFOSA	754-91-6	<0.573	0.573	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFOS	1763-23-1	<0.640	0.640	0.988		B22E216	26-May-22	1.39 g	01-Jun-22 19:29	1
9Cl-PF3ONS	756426-58-1	<0.329	0.329	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFDA	335-76-2	<0.443	0.443	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
8:2 FTS	39108-34-4	<0.589	0.589	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFNS	68259-12-1	<0.830	0.830	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
MeFOSAA	2355-31-9	<0.405	0.405	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
EtFOSAA	2991-50-6	<0.381	0.381	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFUnA	2058-94-8	<0.507	0.507	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFDS	335-77-3	<0.242	0.242	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
11Cl-PF3OUdS	763051-92-9	<0.533	0.533	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFDoA	307-55-1	<0.457	0.457	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
MeFOSA	31506-32-8	<1.34	1.34	1.50		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFTrDA	72629-94-8	<0.407	0.407	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFDoS	79780-39-5	<0.423	0.423	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
PFTeDA	376-06-7	<0.429	0.429	0.501		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
EtFOSA	4151-50-2	<0.766	0.766	0.988		B22E216	26-May-22	1.39 g	01-Jun-22 19:29	1
MeFOSE	24448-09-7	<0.621	0.621	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
EtFOSE	1691-99-2	<0.738	0.738	1.00		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	102	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C3-PFPeA	IS	82.2	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C3-PFBS	IS	76.0	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1

Sample ID: SB-22-02

PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-03	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	02-May-22 15:00	Date Received:	10-May-22 09:16		
				% Solids:	72.8		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	79.2	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C2-PFHxA	IS	74.1	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C3-HFPO-DA	IS	68.6	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C4-PFHpA	IS	71.9	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C3-PFHxS	IS	85.3	25 - 150		B22E216	26-May-22	1.39 g	01-Jun-22 19:29	1
13C2-6:2 FTS	IS	85.4	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C2-PFOA	IS	85.1	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C5-PFNA	IS	64.0	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C8-PFOA	IS	46.4	10 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C8-PFOS	IS	80.6	25 - 150		B22E216	26-May-22	1.39 g	01-Jun-22 19:29	1
13C2-PFDA	IS	62.9	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C2-8:2 FTS	IS	72.5	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
d3-MeFOSAA	IS	65.2	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
d5-EtFOSAA	IS	65.4	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C2-PFUnA	IS	80.6	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C2-PFDoA	IS	75.7	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
d3-MeFOSA	IS	17.4	10 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
13C2-PFTeDA	IS	75.3	25 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
d5-EtFOSA	IS	12.0	10 - 150		B22E216	26-May-22	1.39 g	01-Jun-22 19:29	1
d7-MeFOSE	IS	28.6	10 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1
d9-EtFOSE	IS	30.7	10 - 150		B22F021	06-Jun-22	1.37 g	10-Jun-22 17:24	1

MDL - Method Detection Limit

RL - Reporting limit

The results are reported in dry weight.
The sample size is reported in wet weight.
Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SB-22-04
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-04	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 09:30	Date Received:	10-May-22 09:16		
				% Solids:	86.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.448	0.448	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFPeA	2706-90-3	<0.359	0.359	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFBS	375-73-5	<0.298	0.298	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
4:2 FTS	757124-72-4	<0.628	0.628	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFHxA	307-24-4	<0.312	0.312	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFPeS	2706-91-4	<0.292	0.292	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
HFPO-DA	13252-13-6	<0.846	0.846	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFHpA	375-85-9	<0.474	0.474	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
ADONA	919005-14-4	<0.246	0.246	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFHxS	355-46-4	<0.305	0.305	0.496		B22E216	26-May-22	1.16 g	01-Jun-22 19:40	1
6:2 FTS	27619-97-2	<0.505	0.505	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFOA	335-67-1	<0.263	0.263	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFHpS	375-92-8	<0.503	0.503	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFNA	375-95-1	<0.363	0.363	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFOSA	754-91-6	<0.558	0.558	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFOS	1763-23-1	<0.643	0.643	0.992		B22E216	26-May-22	1.16 g	01-Jun-22 19:40	1
9Cl-PF3ONS	756426-58-1	<0.320	0.320	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFDA	335-76-2	<0.431	0.431	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
8:2 FTS	39108-34-4	<0.573	0.573	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFNS	68259-12-1	<0.807	0.807	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
MeFOSAA	2355-31-9	<0.394	0.394	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
EtFOSAA	2991-50-6	<0.370	0.370	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFUnA	2058-94-8	<0.493	0.493	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFDS	335-77-3	<0.236	0.236	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
11Cl-PF3OUdS	763051-92-9	<0.519	0.519	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFDoA	307-55-1	<0.444	0.444	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
MeFOSA	31506-32-8	<1.30	1.30	1.46		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFTrDA	72629-94-8	<0.396	0.396	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFDoS	79780-39-5	<0.411	0.411	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
PFTeDA	376-06-7	<0.417	0.417	0.487		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
EtFOSA	4151-50-2	<0.769	0.769	0.992		B22E216	26-May-22	1.16 g	01-Jun-22 19:40	1
MeFOSE	24448-09-7	<0.604	0.604	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
EtFOSE	1691-99-2	<0.717	0.717	0.975		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	103	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C3-PFPeA	IS	84.1	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C3-PFBS	IS	86.9	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1

Sample ID: SB-22-04
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-04	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 09:30	Date Received:	10-May-22 09:16		
				% Solids:	86.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	82.3	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C2-PFHxA	IS	77.6	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C3-HFPO-DA	IS	80.0	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C4-PFHpA	IS	81.4	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C3-PFHxS	IS	90.7	25 - 150		B22E216	26-May-22	1.16 g	01-Jun-22 19:40	1
13C2-6:2 FTS	IS	90.6	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C2-PFOA	IS	86.8	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C5-PFNA	IS	73.2	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C8-PFOA	IS	37.4	10 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C8-PFOS	IS	82.9	25 - 150		B22E216	26-May-22	1.16 g	01-Jun-22 19:40	1
13C2-PFDA	IS	65.3	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C2-8:2 FTS	IS	70.4	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
d3-MeFOSAA	IS	59.8	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
d5-EtFOSAA	IS	59.5	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C2-PFUnA	IS	64.8	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C2-PFDoA	IS	63.8	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
d3-MeFOSA	IS	9.30	10 - 150	H	B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
13C2-PFTeDA	IS	64.9	25 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
d5-EtFOSA	IS	10.4	10 - 150		B22E216	26-May-22	1.16 g	01-Jun-22 19:40	1
d7-MeFOSE	IS	23.8	10 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1
d9-EtFOSE	IS	22.0	10 - 150		B22F021	06-Jun-22	1.18 g	10-Jun-22 17:35	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SB-22-05
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-05	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 14:00	Date Received:	10-May-22 09:16		
				% Solids:	71.7		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.459	0.459	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFPeA	2706-90-3	<0.367	0.367	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFBS	375-73-5	<0.305	0.305	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
4:2 FTS	757124-72-4	<0.642	0.642	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFHxA	307-24-4	<0.319	0.319	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFPeS	2706-91-4	<0.299	0.299	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
HFPO-DA	13252-13-6	<0.865	0.865	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFHpA	375-85-9	<0.484	0.484	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
ADONA	919005-14-4	<0.251	0.251	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFHxS	355-46-4	<0.371	0.371	0.602		B22E216	26-May-22	1.16 g	01-Jun-22 19:50	1
6:2 FTS	27619-97-2	<0.516	0.516	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFOA	335-67-1	0.303	0.269	0.498	J	B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFHpS	375-92-8	<0.514	0.514	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFNA	375-95-1	<0.371	0.371	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFOSA	754-91-6	<0.570	0.570	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFOS	1763-23-1	<0.780	0.780	1.20		B22E216	26-May-22	1.16 g	01-Jun-22 19:50	1
9Cl-PF3ONS	756426-58-1	<0.327	0.327	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFDA	335-76-2	<0.441	0.441	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
8:2 FTS	39108-34-4	<0.586	0.586	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFNS	68259-12-1	<0.825	0.825	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
MeFOSAA	2355-31-9	<0.403	0.403	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
EtFOSAA	2991-50-6	<0.379	0.379	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFUnA	2058-94-8	<0.504	0.504	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFDS	335-77-3	<0.241	0.241	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
11Cl-PF3OUdS	763051-92-9	<0.530	0.530	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFDoA	307-55-1	<0.455	0.455	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
MeFOSA	31506-32-8	<1.33	1.33	1.50		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFTrDA	72629-94-8	<0.405	0.405	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFDoS	79780-39-5	<0.421	0.421	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
PFTeDA	376-06-7	<0.427	0.427	0.498		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
EtFOSA	4151-50-2	<0.934	0.934	1.20		B22E216	26-May-22	1.16 g	01-Jun-22 19:50	1
MeFOSE	24448-09-7	<0.618	0.618	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
EtFOSE	1691-99-2	<0.734	0.734	0.997		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.4	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C3-PFPeA	IS	78.0	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C3-PFBS	IS	77.0	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1

Sample ID: SB-22-05
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-05	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 14:00	Date Received:	10-May-22 09:16		
				% Solids:	71.7		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	73.9	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C2-PFHxA	IS	67.3	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C3-HFPO-DA	IS	70.9	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C4-PFHpA	IS	74.5	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C3-PFHxS	IS	74.6	25 - 150		B22E216	26-May-22	1.16 g	01-Jun-22 19:50	1
13C2-6:2 FTS	IS	103	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C2-PFOA	IS	90.8	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C5-PFNA	IS	72.4	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C8-PFOA	IS	49.9	10 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C8-PFOS	IS	70.1	25 - 150		B22E216	26-May-22	1.16 g	01-Jun-22 19:50	1
13C2-PFDA	IS	60.3	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C2-8:2 FTS	IS	116	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
d3-MeFOSAA	IS	60.3	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
d5-EtFOSAA	IS	60.8	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C2-PFUnA	IS	78.7	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C2-PFDoA	IS	71.5	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
d3-MeFOA	IS	41.7	10 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
13C2-PFTeDA	IS	64.6	25 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
d5-EtFOA	IS	28.9	10 - 150		B22E216	26-May-22	1.16 g	01-Jun-22 19:50	1
d7-MeFOSE	IS	48.7	10 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1
d9-EtFOSE	IS	46.2	10 - 150		B22F021	06-Jun-22	1.40 g	10-Jun-22 17:45	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: SB-22-06
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-06	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 15:45	Date Received:	10-May-22 09:16		
				% Solids:	81.8		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.446	0.446	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFPeA	2706-90-3	<0.357	0.357	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFBS	375-73-5	<0.297	0.297	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
4:2 FTS	757124-72-4	<0.625	0.625	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFHxA	307-24-4	<0.310	0.310	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFPeS	2706-91-4	<0.291	0.291	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
HFPO-DA	13252-13-6	<0.842	0.842	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFHpA	375-85-9	<0.471	0.471	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
ADONA	919005-14-4	<0.244	0.244	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFHxS	355-46-4	<0.306	0.306	0.497		B22E216	26-May-22	1.23 g	01-Jun-22 20:01	1
6:2 FTS	27619-97-2	<0.502	0.502	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFOA	335-67-1	<0.262	0.262	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFHpS	375-92-8	<0.501	0.501	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFNA	375-95-1	<0.361	0.361	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFOSA	754-91-6	<0.555	0.555	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFOS	1763-23-1	<0.644	0.644	0.994		B22E216	26-May-22	1.23 g	01-Jun-22 20:01	1
9Cl-PF3ONS	756426-58-1	<0.318	0.318	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFDA	335-76-2	<0.429	0.429	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
8:2 FTS	39108-34-4	<0.570	0.570	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFNS	68259-12-1	<0.803	0.803	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
MeFOSAA	2355-31-9	<0.392	0.392	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
EtFOSAA	2991-50-6	<0.369	0.369	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFUnA	2058-94-8	<0.491	0.491	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFDS	335-77-3	<0.235	0.235	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
11Cl-PF3OUdS	763051-92-9	<0.516	0.516	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFDoA	307-55-1	<0.442	0.442	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
MeFOSA	31506-32-8	<1.30	1.30	1.46		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFTTrDA	72629-94-8	<0.394	0.394	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFDoS	79780-39-5	<0.409	0.409	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
PFTeDA	376-06-7	<0.415	0.415	0.485		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
EtFOSA	4151-50-2	<0.771	0.771	0.994		B22E216	26-May-22	1.23 g	01-Jun-22 20:01	1
MeFOSE	24448-09-7	<0.601	0.601	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
EtFOSE	1691-99-2	<0.714	0.714	0.970		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.0	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C3-PFPeA	IS	78.2	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C3-PFBS	IS	76.0	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1

Sample ID: SB-22-06
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-06	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 15:45	Date Received:	10-May-22 09:16		
				% Solids:	81.8		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	69.5	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C2-PFHxA	IS	75.1	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C3-HFPO-DA	IS	75.4	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C4-PFHpA	IS	76.6	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C3-PFHxS	IS	83.8	25 - 150		B22E216	26-May-22	1.23 g	01-Jun-22 20:01	1
13C2-6:2 FTS	IS	71.5	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C2-PFOA	IS	77.2	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C5-PFNA	IS	65.9	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C8-PFOA	IS	50.7	10 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C8-PFOS	IS	73.7	25 - 150		B22E216	26-May-22	1.23 g	01-Jun-22 20:01	1
13C2-PFDA	IS	68.0	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C2-8:2 FTS	IS	70.1	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
d3-MeFOSAA	IS	64.7	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
d5-EtFOSAA	IS	62.7	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C2-PFUnA	IS	70.3	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C2-PFDoA	IS	67.9	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
d3-MeFOSA	IS	21.6	10 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
13C2-PFTeDA	IS	68.9	25 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
d5-EtFOSA	IS	11.7	10 - 150		B22E216	26-May-22	1.23 g	01-Jun-22 20:01	1
d7-MeFOSE	IS	36.4	10 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1
d9-EtFOSE	IS	39.6	10 - 150		B22F021	06-Jun-22	1.26 g	10-Jun-22 17:56	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

Sample ID: DUP-01-Soil
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-07	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 00:00	Date Received:	10-May-22 09:16		
				% Solids:	91.9		

Analyte	CAS Number	Conc. (ng/g)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	<0.459	0.459	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFPeA	2706-90-3	<0.367	0.367	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFBS	375-73-5	<0.305	0.305	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
4:2 FTS	757124-72-4	<0.643	0.643	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFHxA	307-24-4	<0.319	0.319	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFPeS	2706-91-4	<0.299	0.299	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
HFPO-DA	13252-13-6	<0.866	0.866	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFHpA	375-85-9	<0.485	0.485	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
ADONA	919005-14-4	<0.252	0.252	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFHxS	355-46-4	<0.302	0.302	0.490		B22E216	26-May-22	1.11 g	01-Jun-22 20:12	1
6:2 FTS	27619-97-2	<0.517	0.517	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFOA	335-67-1	<0.269	0.269	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFHpS	375-92-8	<0.515	0.515	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFNA	375-95-1	<0.371	0.371	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFOSA	754-91-6	<0.571	0.571	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFOS	1763-23-1	<0.635	0.635	0.980		B22E216	26-May-22	1.11 g	01-Jun-22 20:12	1
9Cl-PF3ONS	756426-58-1	<0.327	0.327	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFDA	335-76-2	<0.441	0.441	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
8:2 FTS	39108-34-4	<0.587	0.587	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFNS	68259-12-1	<0.826	0.826	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
MeFOSAA	2355-31-9	<0.403	0.403	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
EtFOSAA	2991-50-6	<0.379	0.379	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFUnA	2058-94-8	<0.505	0.505	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFDS	335-77-3	<0.242	0.242	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
11Cl-PF3OUdS	763051-92-9	<0.531	0.531	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFDoA	307-55-1	<0.455	0.455	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
MeFOSA	31506-32-8	<1.34	1.34	1.50		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFTrDA	72629-94-8	<0.405	0.405	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFDoS	79780-39-5	<0.421	0.421	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
PFTeDA	376-06-7	<0.427	0.427	0.499		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
EtFOSA	4151-50-2	<0.761	0.761	0.980		B22E216	26-May-22	1.11 g	01-Jun-22 20:12	1
MeFOSE	24448-09-7	<0.619	0.619	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
EtFOSE	1691-99-2	<0.735	0.735	0.998		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	103	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C3-PFPeA	IS	85.7	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C3-PFBS	IS	78.7	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1

Sample ID: DUP-01-Soil
PFAS Isotope Dilution Method

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Soil	Lab Sample:	2205095-07	Column:	BEH C18
Project:	GP Broadway Mill	Date Collected:	03-May-22 00:00	Date Received:	10-May-22 09:16		
				% Solids:	91.9		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-4:2 FTS	IS	75.4	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C2-PFHxA	IS	73.9	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C3-HFPO-DA	IS	74.0	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C4-PFHpA	IS	80.0	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C3-PFHxS	IS	90.7	25 - 150		B22E216	26-May-22	1.11 g	01-Jun-22 20:12	1
13C2-6:2 FTS	IS	74.8	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C2-PFOA	IS	87.0	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C5-PFNA	IS	67.9	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C8-PFOA	IS	35.2	10 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C8-PFOS	IS	74.7	25 - 150		B22E216	26-May-22	1.11 g	01-Jun-22 20:12	1
13C2-PFDA	IS	57.8	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C2-8:2 FTS	IS	84.0	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
d3-MeFOSAA	IS	55.1	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
d5-EtFOSAA	IS	58.7	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C2-PFUnA	IS	68.9	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C2-PFDoA	IS	64.2	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
d3-MeFOA	IS	13.4	10 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
13C2-PFTeDA	IS	61.8	25 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
d5-EtFOA	IS	2.80	10 - 150	H	B22E216	26-May-22	1.11 g	01-Jun-22 20:12	1
d7-MeFOSE	IS	24.5	10 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1
d9-EtFOSE	IS	22.7	10 - 150		B22F021	06-Jun-22	1.09 g	10-Jun-22 18:06	1

MDL - Method Detection Limit

RL - Reporting limit

 The results are reported in dry weight.
 The sample size is reported in wet weight.
 Results reported to MDL.

When reported, PFHxS, PFOA, PFOS, MeFOSAA and EtFOSAA include both linear and branched isomers. Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	This compound was also detected in the method blank
Conc.	Concentration
CRS	Cleanup Recovery Standard
D	Dilution
DL	Detection Limit
E	The associated compound concentration exceeded the calibration range of the instrument
H	Recovery and/or RPD was outside laboratory acceptance limits
I	Chemical Interference
IS	Internal Standard
J	The amount detected is below the Reporting Limit/LOQ
LOD	Limit of Detection
LOQ	Limit of Quantitation
M	Estimated Maximum Possible Concentration (CA Region 2 projects only)
MDL	Method Detection Limit
NA	Not applicable
ND	Not Detected
OPR	Ongoing Precision and Recovery sample
P	The reported concentration may include contribution from chlorinated diphenyl ether(s).
Q	The ion transition ratio is outside of the acceptance criteria.
RL	Reporting Limit
RL	For 537.1, the reported RLs are the MRLs.
TEQ	Toxic Equivalency, sum of the toxic equivalency factors (TEF) multiplied by the sample concentrations.
TEQMax	TEQ calculation that uses the detection limit as the concentration for non-detects
TEQMin	TEQ calculation that uses zero as the concentration for non-detects
TEQRisk	TEQ calculation that uses ½ the detection limit as the concentration for non-detects
U	Not Detected (specific projects only)
*	See Cover Letter

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

Vista Analytical Laboratory Certifications

Accrediting Authority	Certificate Number
Alaska Department of Environmental Conservation	17-013
Arkansas Department of Environmental Quality	21-023-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Massachusetts Department of Environmental Protection	M-CA413
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
New Hampshire Environmental Accreditation Program	207721
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Ohio Environmental Protection Agency	87778
Oregon Laboratory Accreditation Program	4042-021
Pennsylvania Department of Environmental Protection	018
Texas Commission on Environmental Quality	T104704189-22-13
Vermont Department of Health	VT-4042
Virginia Department of General Services	11276
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	Method
Determination of Polychlorinated p- Dioxins & Polychlorinated Dibenzofurans	EPA 23
Polychlorinated Dibenzodioxins in Ambient Air by GC/HRMS	EPA TO-9A

MATRIX: Biological Tissue	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613/1613B
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537.1
Determination of Per- and Polyfluoroalkyl Substances in Drinking Water by Isotope Dilution Anion Exchange Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry	EPA 533
Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) - Method for Unfiltered Samples Using Solid Phase Extraction and Liquid Chromatography/Mass Spectrometry	ISO 25101 2009

MATRIX: Non-Potable Water	
Description of Test	Method
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	Method
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	PFAS Isotope Dilution
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A



CHAIN OF CUSTODY

For Laboratory Use Only
 Work Order #: 2205095 Temp: 1.5 °C
 Storage ID: P-13 WR2 Storage Secured: Yes No

Project ID: GP Broadway Mill PO#: _____ Sampler: Laura Dynstus Kenny Rodriguez
 (name)

TAT Standard: 21 days
 (check one): Rush (surcharge may apply)
 14 days 7 days Specify: _____

Relinquished by (printed name and signature): <u>Jared Walbert</u>	Date: <u>5/17/22</u>	Time: <u>12:50</u>	Received by (printed name and signature): <u>TE Cold Storage</u>	Date: <u>5/17/22</u>	Time: <u>12:50</u>
Relinquished by (printed name and signature): <u>Jared Walbert</u>	Date: <u>5/19/22</u>	Time: <u>16:15</u>	Received by (printed name and signature): <u>Fedex</u>	Date: _____	Time: _____
Relinquished by (printed name and signature): <u>Fed EX</u>	Date: <u>05/19/22</u>	Time: <u>09:10</u>	Received by (printed name and signature): <u>Kenny Rodriguez</u>	Date: <u>05/19/22</u>	Time: <u>09:10</u>

SHIP TO: Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 (916) 673-1520 * Fax (916) 673-0106				Method of Shipment: _____			Add Analysis(es) Requested										
ATTN: _____				Tracking No.: _____			Container(s)								PFAS by Isotope Dilution		
							OTHER: Please attach analyte list <u>WJ 33 CUMDUALIST</u>								EPA Method 537 (DW only)		
Sample ID	Date	Time	Location/ Sample Description	Quantity	Type	Matrix	PFAS PFOS	UCMR3 PFAS List 6	537.1 List 14 or 18 (Circle One)	EPA Draft List of 24	OTHER	PFAS PFOS	UCMR3 PFAS List 6	537.1 List of 14	537.1 List of 18	Comments	
<u>GP-02</u>	<u>5/17/22</u>	<u>14:40</u>		<u>2</u>	<u>P</u>	<u>WT</u>					<u>X</u>						
<u>SB-22-01</u>	<u>5/12/22</u>	<u>12:55</u>		<u>1</u>	<u>PJ</u>	<u>SL</u>					<u>X</u>						
<u>SB-22-02</u>	<u>5/12/22</u>	<u>15:00</u>		<u>1</u>	<u>PJ</u>	<u>SL</u>					<u>X</u>						
<u>SB-22-04</u>	<u>5/13/22</u>	<u>9:30</u>		<u>1</u>	<u>PJ</u>	<u>SL</u>					<u>X</u>						
<u>SB-22-05</u>	<u>5/13/22</u>	<u>14:00</u>		<u>1</u>	<u>PJ</u>	<u>SL</u>					<u>X</u>						
<u>SB-22-06</u>	<u>5/13/22</u>	<u>15:45</u>		<u>1</u>	<u>PJ</u>	<u>SL</u>					<u>X</u>						
<u>DVP-01-5011</u>	<u>5/13/22</u>	<u>—</u>		<u>1</u>	<u>PJ</u>	<u>SL</u>					<u>X</u>						

Special Instructions/Comment: _____

SEND DOCUMENTATION AND RESULTS TO:

Name: Michael Savale
 Company: Tetra Tech
 Address: 710 Avis Drive #100
 City: Ann Arbor State: MI Zip: 48106
 Phone: 810-923-8076
 Email: michael.savale@tetratech.com

Container Types: P = HDPE, PJ = HDPE Jar Bottle Preservation Type: _____
 PY = Polypropylene, O = Other TZ = Trizma: _____

Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, PP = Pulp/Paper, SD = Sediment, SL = Sludge, SO = Soil, WW = Wastewater, B = Blood/Serum, O = Other



Sample Log-In Checklist

Page # 1 of 1

Vista Work Order #: 2205095 TAT SLD

Samples Arrival:	Date/Time <u>05/10/22 09:16</u>		Initials: <u>KA</u>		Location: <u>WR-2</u>	
	Shelf/Rack: <u>P12</u>					
Delivered By:	<input checked="" type="radio"/> FedEx	<input type="radio"/> UPS	<input type="radio"/> On Trac	<input type="radio"/> GLS	<input type="radio"/> DHL	<input type="radio"/> Hand Delivered
Preservation:	<input checked="" type="radio"/> Ice	<input type="radio"/> Blue Ice	<input type="radio"/> Techni Ice	<input type="radio"/> Dry Ice	<input type="radio"/> None	
Temp °C: <u>1.6</u> (uncorrected)	Probe used: Y <input checked="" type="radio"/> N			Thermometer ID: <u>IR-3</u>		
Temp °C: <u>1.5</u> (corrected)						

	YES	NO	NA
Shipping Container(s) Intact?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Custody Seals Intact?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Airbill <u> </u> Trk # <u>2729 4028 6758</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Shipping Container	<input checked="" type="radio"/> Vista	<input type="radio"/> Client	<input checked="" type="radio"/> Retain
	<input type="radio"/> Return	<input type="radio"/> Dispose	
Chain of Custody / Sample Documentation Present?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Chain of Custody / Sample Documentation Complete?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Holding Time Acceptable?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Logged In:	Date/Time <u>05/10/22 16:00</u>		Initials: <u>KA</u>
	Location: <u>R-13, WR-2</u>		Shelf/Rack: <u>A-4, F-6</u>
COC Anomaly/Sample Acceptance Form completed?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments:

CoC/Label Reconciliation Report WO# 2205095

LabNumber	CoC Sample ID	SampleAlias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2205095-01	A GP-02		06-May-22 14:40	HDPE Bottle, 250 mL	Aqueous	
2205095-01	B GP-02		06-May-22 14:40	HDPE Bottle, 250 mL	Aqueous	
2205095-02	A SB-22-01		02-May-22 12:55	HDPE Jar, 6 oz	Solid	
2205095-03	A SB-22-02		02-May-22 15:00	HDPE Jar, 6 oz	Solid	
2205095-04	A SB-22-04		03-May-22 09:30	HDPE Jar, 6 oz	Solid	
2205095-05	A SB-22-05		03-May-22 14:00	HDPE Jar, 6 oz	Solid	
2205095-06	A SB-22-06		03-May-22 15:45	HDPE Jar, 6 oz	Solid	
2205095-07	A DUP-01-Soil		03-May-22 00:00	HDPE Jar, 6 oz	Solid	

Checkmarks indicate that information on the COC reconciled with the sample label.
Any discrepancies are noted in the following columns.

	Yes	No	NA
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Adequate Sample Volume?	✓		
Container Type Appropriate for Analysis(es)	✓		

Comments: (A) No time listed on sample label

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None
All Other

Verified by/Date: KN 05/11/22



ANOMALY FORM

Vista Work Order 2205095

Initial/Date The following checked issues were noted during sample receipt and login:

- 1. The samples were received out of temperature at (WI-PHT):** _____
Was Ice present: Yes No Melted Blue Ice
- 2. The Chain-of-Custody (CoC) was not relinquished properly.
- 16-5/11/22 3. The CoC did not include collection time(s). 00:00 will be used unless notified otherwise.
- 4. The sample(s) did not include a sample collection time. All or Sample Name: _____
- 5. A sample ID discrepancy was found. See the Reconciliation report.
The CoC Sample ID will be used unless notified otherwise.
- 6. A sample date and/or time discrepancy was found. See the Reconciliation report.
The CoC Sample date/time will be used unless notified otherwise.
- 7. The CoC did not include a sample matrix. The following sample matrix will be used: _____
- 8. Insufficient volume received for analysis. All or Sample Name: _____
- 9. The backup bottle was received broken. Sample Name: _____
- 10. CoC not received, illegible or destroyed.
- 11. The sample(s) were received out of holding time. All or Sample Name: _____
- 12. The CoC did not include an analysis. All or Sample Name: _____
- 13. Sample(s) received without collection date. All or Sample Name: _____
- 14. Sample(s) not received. All or Sample Name: _____
- 15. Sample(s) received broken. All or Sample Name: _____
- 16. An incorrect container-type was used. All or Sample Name: _____
- 17. The Field Reagent Blank (FRB) preservative was from a different lot than the field samples.
Will proceed with analysis and narrate unless notified otherwise.
- 18. Other:

Bolded items require sign-off

Client Contacted: _____

Date of Contact: _____

Vista Client Manager: _____

Resolution: