



**Georgia-Pacific
Broadway LLC**

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November 6, 2024

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)
Site Investigation Summary Report – BRRTS #: 02-05-586429**

Dear Mr. Lauridsen:

Please see attached Site Investigation Summary Report (SISR) as prepared by Tetra Tech Inc. for the Georgia-Pacific Broadway LLC (GP) – PFAS Site Investigation (BRRTS #: 02-05-586429). The summary report documents the groundwater monitoring event that was completed the week of August 12, 2024.

If you have any questions or concerns about the Site Investigation Summary Report or the additional analytical results, please do not hesitate to contact me via email at jacquelyn.beaulieu@gapac.com or by phone at 920-438-4243.

Sincerely,

A handwritten signature in blue ink that reads 'Jacquelyn Beaulieu'.

Jacquelyn Beaulieu
Senior Environmental Manager
Georgia-Pacific Broadway LLC

cc via email: Justin Schroedel (GP), Mike Savale (Tetra Tech)



November 1, 2024

Ms. Jacquelyn Beaulieu
Environmental Program Manager
Georgia-Pacific Broadway LLC
1919 South Broadway
Green Bay, Wisconsin 54307-9130

**RE: 2024 Site Investigation Report
Georgia-Pacific Broadway Facility
Green Bay, Wisconsin
BRRTS # 02-05-586429**

Dear Ms. Beaulieu,

On August 12 through 14, 2024, Tetra Tech completed groundwater impact delineation soil borings and annual groundwater polyfluoroalkyl and perfluoroalkyl substances (PFAS) sampling at the Georgia-Pacific (GP) Broadway Facility (Site) in Green Bay, Wisconsin (**Figure 1**). The work was conducted in accordance with the Wisconsin Department of Natural Resources (WDNR)-approved work plan, *2024 PFAS Site Investigation Work Plan*, dated July 8, 2024 (2024 SIWP). A summary of field activities and methods, and groundwater analytical results are provided in the following sections.

SOIL BORING METHODS

Before commencing drilling activities, a request was filed with the Diggers Hotline to mark underground utilities within the work area. In addition, GP site personnel inspected all boring locations for utilities. As a further precaution, the upper five feet of each soil boring was completed using hand tools.

At each boring location, direct-push soil sampling was completed with a Geoprobe 7822DT series drill rig using 2.25-inch diameter Macro Core tooling. Soil samples were collected into a 1.75-inch diameter acetate liner. The liners were placed on a table, cut open to access the recovered soil core, and logged by the onsite Tetra Tech geologist. Each soil core was described using the Unified Soil Classification System. Moisture content, sample recovery, and other notable observations were documented. After the soil borings were completed, a professional survey of the geographic location and ground elevation of each soil boring was conducted. Locations were measured using the WisCRS Brown County, NAD83 (2011) coordinate system. Elevations were measured using the NAVD88 vertical datum. Soil boring logs (WDNR Form 4400-122) are included in **Attachment 1**.

DELINEATION SOIL BORINGS

To delineate Site groundwater PFAS impacts to the southwest, the *2022 PFAS Site Investigation Work Plan*, dated January 26, 2022, included installing a monitoring well (MW-22-14) near the southwestern Site boundary. The installation of MW-22-14 was first attempted at soil boring SB-22-03. At this location, a continuous interval of clay was encountered from 0 to 30 feet below the ground surface (bgs). The second attempt to install MW-22-14 was conducted as soil boring SB-22-06, approximately 250 feet southeast of SB-22-03. At SB-22-06, a water-bearing interval of gravel and sand was encountered from 12.0 to 13.5 feet bsg; monitoring well MW-22-14 was installed in this boring location. The location of SB-22-03 and MW-22-14 are depicted in **Figure 2** and the SB-22-03 and SB-22-06 soil boring logs are provided in **Attachment 1**.

In an email dated November 22, 2023, the WDNR indicated that additional delineation of groundwater PFAS impacts may be needed within the southwestern portion of the site, west of monitoring well MW-22-14. To further delineate groundwater impacts at the southwest portion of the Site, the 2024 SIWP proposed completing up to two soil borings to a depth of 30 feet bgs to determine if groundwater is present or if the clay interval and absence of shallow groundwater, as observed in SB-22-03, continued in the southwestern portion of the Site. If groundwater were encountered, a monitoring well would be installed and sampled to assess the extent of groundwater impacts. If no groundwater was encountered in either soil boring, it could be reasonably concluded that shallow groundwater is not present west MW-22-14.

On August 12, 2024, two direct push soil borings were completed west of MW-22-14. The first soil boring (SB-24-01) was completed approximately 280 feet southwest of MW-22-14. At SB-24-01, a continuous interval of dry to moist clay was encountered from 2.5 to 30 feet bgs. The second soil boring (SB-24-02) was completed approximately 400 feet northwest of MW-22-14. At SB-24-01, damp to moist clay was encountered from 1.5 feet to 28.5 feet bgs, with 1.5 feet-thick intervals of damp to moist silt and clay observed at 10 feet bgs and 28.5 feet bgs, and a one-inch thick, damp sand and silt seam at 28.5 bgs. No groundwater was encountered in either soil boring (SB-24-01 and SB-24-02), and consequently, no monitoring well was installed. The location of SB-24-01 and SB-24-02 are depicted in **Figure 2** and the soil boring logs are provided in **Attachment 1**.

GROUNDWATER LEVEL MEASUREMENT

Prior to groundwater sampling, the static water level was measured at the 14 monitoring wells associated with the Site PFAS investigation. Field personnel gauged depth-to-water with a water-level interface probe accurate to 0.01 feet. Measurements were subtracted from top-of-casing elevations for each well to obtain groundwater surface elevations, provided in **Table 1** and depicted in **Figure 3**. Note, the groundwater elevation measured at monitoring well MW-21-05, installed in a former clay-lined wastewater lagoon that is not hydrologically connected to the surrounding water table, was not included when creating the **Figure 3** groundwater contours. The potentiometric surface illustrated on **Figure 3** indicates that Site groundwater flow was to the southeast towards the Fox River with a southerly flow component in the south and a groundwater depression east of the center of the Site, consistent with previous assessments.

GROUNDWATER SAMPLING AND ANALYTICAL METHODS

On August 12 through 14, 2024, Tetra Tech conducted groundwater PFAS sampling. Groundwater samples were collected from the 14 monitoring wells associated with the Site PFAS investigation using low-flow techniques. Groundwater was purged using a peristaltic pump until a stabilized water level and field parameters were achieved. Field parameters including pH, specific conductance, temperature, oxidation-reduction potential (ORP), dissolved oxygen (DO), and turbidity were measured using an In-Situ Aqua Troll 600 water quality meter. The instrument was calibrated according to the manufacturer's specifications prior to sampling. To avoid cross-contamination, new HDPE and silicone tubing were used for each monitoring well. The water quality parameters were recorded at three-minute intervals until all parameters had stabilized for three consecutive readings and were within the following limits:

- pH (0.1 unit)
- Specific conductance (3%)
- Temperature (3%)
- DO (10% mg/L)
- ORP (10 millivolts)
- Turbidity (10%)

A stabilized drawdown of 0.3 feet or less was achieved prior to sample collection. Groundwater monitoring field data are included in **Table 1**.

Following stabilization, groundwater samples were collected directly into clean, pre-labeled, laboratory-provided HDPE containers and placed into an ice-packed cooler. Samples were shipped to Enthalpy Analytical Laboratory (Enthalpy) and analyzed for the list of 33 PFAS presented in the *WDNR PFAS Update*, dated March 1, 2021, via EPA Method 1633. The laboratory analytical report for the groundwater PFAS samples is included in **Attachment 2**.

QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) SAMPLES

QA/QC samples were collected during groundwater sampling to ensure PFAS contamination was not introduced to the samples from the sample collection equipment or the environment. QA/QC samples are also used to assess the accuracy and reliability of concentration results. QA/QC sample collection methodology is provided below:

- Groundwater duplicate field samples were collected concurrently with the MW-21-06 and MW-22-11 groundwater samples.
- One equipment rinsate sample was collected during groundwater sampling activities. Reusable sampling equipment was decontaminated before and after each use. Following decontamination, laboratory-provided reagent-free water was poured over non-disposable equipment (water level meter) and was run through and over disposable equipment (tubing and nitrile gloves). The rinsate was collected into laboratory-supplied containers.
- One field blank sample was collected by pouring laboratory-provided reagent-free water into laboratory-supplied containers. The field blank was marked for laboratory hold and analyzed only if PFAS were detected in the equipment blank sample.

The QA/QC samples were shipped to Enthalpy and analyzed for PFAS via EPA Method 1633 for the list of 33 PFAS presented in the *WDNR PFAS Update*, dated March 1, 2021. The laboratory analytical report which includes the results for the QA/QC samples is included in **Attachment 2**.

GROUNDWATER ANALYTICAL RESULTS

A summary of the August 2024 PFAS groundwater sampling results is presented in **Table 2** and select PFAS (PFOA, PFOS, PFNA, and PFHxS) are posted in **Figure 2**. The laboratory analytical report for groundwater samples is provided in **Attachment 2**. A review of the 2024 groundwater PFAS analytical results indicates the following:

- PFAS were detected in all monitoring wells.
- PFAS were detected in the duplicate and original groundwater samples from MW-21-06 and MW-22-11 at similar concentrations to their respective primary samples.
- No PFAS were detected in the equipment rinsate blank.

SUMMARY AND CONCLUSIONS

To the southwest, soil lithological data obtained from soil borings completed west of MW-22-14 (SB-22-03, SB-24-01, and SB-24-02) indicates that shallow groundwater does not extend west of MW-22-14 and that southern groundwater PFAS impacts are confined within the Site.

The Site groundwater PFAS impacts have been well characterized. The highest PFAS groundwater concentrations observed are near or downgradient of the Site wastewater treatment operations and wastewater piping. A review of **Table 3**, which includes a comparison of groundwater analytical results from April 2021 through August 2024, indicates that PFAS groundwater concentrations are generally stable. GP

proposes to continue annual groundwater PFAS monitoring. The next sampling event will be conducted in the third quarter of 2025, approximately one year after the August 2024 PFAS groundwater sampling event.

Tetra Tech appreciates the opportunity to provide our services to GP. If you have any questions regarding the information herein, please contact Michael Savale at 810.923.8076 or michael.savale@tetrattech.com.

Sincerely,



Michael Savale
Associate Geologist



Chris Bonniwell, Ph.D., LPG
Midwest Principal Account Manager

Table 1 - Groundwater Monitoring Field Data

Table 2 - Groundwater Analytical Results

Table 3 - Groundwater Analytical Results Comparison

Figure 1 - Site Location Map

Figure 2 - August 2024 Groundwater Analytical Results

Figure 3 - August 2024 Groundwater Elevations

Attachment 1 - Soil Boring Logs

Attachment 2 - Groundwater Analytical Report

TABLES

Table 1
Groundwater Monitoring Field Data
 2024 Site Investigation Report
 Georgia Pacific Broadway Facility
 Green Bay, Wisconsin

Well ID	Sample Date	Temp (°C)	Specific Conductance (mS/cm)	DO (mg/L)	pH (S.U.)	ORP (mV)	Turb (NTU)	Approximate Pump Rate (mL/min)	TOC Elevation (feet amsl)	Depth to Water (feet) 8/13/2024	Groundwater Elevation (feet amsl) 8/13/2024
		Parameter Stabilization Criteria									
		3%	3%	10%	0.1	10 mV	10%				
MW-20-02	8/13/2024	18.04	68.53	0.04	9.75	-335.5	0.14	140	586.60	5.81	580.79
MW-20-03	8/13/2024	21.47	1.05	0.14	7.03	-241.3	4.52	140	581.13	2.13	579.00
MW-21-04	8/13/2024	14.85	6.16	0.12	6.84	-57.3	6.22	140	600.72	8.25	592.47
MW-21-05	8/14/2024	19.57	2.28	0.17	7.95	-131.4	4.93	140	595.71	4.21	591.50
MW-21-06	8/13/2024	29.01	2.22	0.11	6.98	-229.2	10.22	140	585.83	3.40	582.43
MW-21-07	8/13/2024	22.93	1.45	0.13	6.70	-215.6	4.87	140	583.44	3.45	579.99
MW-21-08	8/14/2024	21.84	1.87	3.75	7.54	-89.0	3.75	140	584.97	5.85	579.12
MW-21-09	8/13/2024	23.81	4.40	0.16	6.39	-180.9	1.50	140	588.54	12.99	575.55
MW-21-10	8/13/2024	26.69	2.28	0.17	7.48	-292.6	0.04	140	587.26	6.56	580.70
MW-21-11	8/13/2024	18.47	1.88	0.15	9.89	-332.5	2.35	140	588.14	8.06	580.08
MW-22-12	8/14/2024	27.04	1.51	0.22	6.69	-231.5	20.58	140	590.05	7.12	582.93
MW-22-13	8/12/2024	17.00	1.40	0.55	7.26	-36.1	9.77	140	599.23	3.34	595.89
MW-22-14	8/14/2024	17.42	1.25	0.15	7.44	-221.8	19.13	140	587.84	8.19	579.65
MW-22-15	8/14/2024	23.05	2.56	0.16	6.77	-228.5	80.83	140	586.85	2.82	584.03

Notes:

- Temp (°C) = Temperature in degrees Celsius
- pH (S.U.) = pH represented in pH units
- Specific Conductance (mS/cm) = Conductivity represented in microsiemens per centimeter
- ORP (mV) = Oxidation reduction potential represented in millivolts
- DO (mg/L) = Dissolved oxygen represented in milligrams per liter
- Turb (NTU) = Turbidity represented in nephelometric turbidity units
- mL/min = milliliters per minute
- ft amsl = feet above mean sea level
- TOC = top of well casing

Table 2
Groundwater Analytical Results
2024 Site Investigation Report
Georgia-Pacific Broadway Facility
Green Bay, Wisconsin

Parameter	CAS Number	Units	Sample Location and Date															
			MW-20-02	MW-20-03	MW-21-04	MW-21-05	MW-21-06	DUP-02 (MW-22-06)	MW-21-07	MW-21-08	MW-21-09	MW-21-10	MW-21-11	DUP-01 (MW-21-11)	MW-22-12	MW-22-13	MW-22-14	MW-22-15
			8/13/24	8/13/24	8/13/24	8/14/24	8/13/24	8/13/24	8/13/24	8/13/24	8/14/24	8/13/24	8/13/24	8/13/24	8/13/24	8/13/24	8/14/24	8/13/24
Perfluoroalkyl Carboxylates/Carboxylic Acids (PFCA)																		
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	<1.53	7.32	15.4	36.6	32.0	31.6	25.7	21.4	17.1	27.5	28.0	26.4	20.7	<1.62	32.6	<1.62
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	63.3	8.54	13.7	60.4	55.5	58.0	37.5	32.9	20.7	47.9	20.8	19.3	21	<0.425	52.4	19.4
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	228	9.34	8.58	143	55.9	54.8	46.9	32.9	30.1	65.3	42.8	41.5	31.5	<0.277	70.9	59.3
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	38.9	5.17	3.27	110	66.9	69.3	43.6	21.5	28.1	49.6	26.9	26.0	29.5	<0.275	96.5	12.4
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	80.2	28.0	4.97	528	535	546	209	76.0	153	148	123	128	163	<1.80	875	54.6
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	5.36	3.38	<0.250	80.5	101	105	65.2	7.64	14.9	13.5	10.7	10.5	6.48	<0.245	124	1.82
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	0.670 J	1.69	<0.439	10	30.3	32.5	8.58	2.66	1.57J	13.5	16.4	18.3	0.662 J	<0.431	21.1	0.901 J
Perfluoroundecanoic acid (PFUnDA/PFUdA)	2058-94-8	ng/L	<0.395	<0.422	<0.427	0.428 J	0.773 J	0.76	0.420J	2.13	<0.409	1.09 J	2.99	3.54	<0.422	<0.419	<0.418	<0.419
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	<0.213	<0.228	<0.230	<0.225	<0.225	<0.222	<0.223	0.481 J	<0.221	<0.223	2.34	2.28	<0.228	<0.226	<0.225	<0.226
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/L	<0.245	<0.261	<0.265	<0.258	<0.259	<0.255	<0.256	<0.260	<0.254	<0.256	<0.264	<0.252	<0.262	<0.259	<0.259	<0.260
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/L	<0.229	<0.244	<0.247	<0.241	<0.242	<0.238	<0.239	<0.242	<0.237	<0.239	<0.247	<0.235	<0.244	<0.242	<0.242	<0.242
Perfluoroalkyl Sulfonates/Sulfonic Acids (PFSA)																		
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/L	<0.646	2.42	3.72	6.43	9.66	9.93	3.61	3.19	3.53	4.62	4.03	3.8	4.39	<0.684	6.68	<0.684
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	ng/L	<0.463	0.545 J	<0.500	7.07	6.08	5.71	2.35	1.07 J	3.44	1.57	1.28 J	1.29	4.41	<0.491	6.27	1.66
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/L	3.01	3.38	0.831 J	33.3	29.9	30.2	17.0	5.73	14.5	5.29	8.06	8.13	14.9	<0.511	52.0	3.6
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/L	<0.361	0.714 J	<0.390	16.3	22.9	22.8	6.96	1.49 J	4.27	0.601 J	1.01 J	0.966	3.09	<0.382	45.3	0.825 J
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/L	4.65	101	<1.21	818	1,910	2,020	302	60.3	232	18.3	101	98.5	134	<1.19	3,120	32.9
Perfluoronone sulfonic acid (PFNS)	68259-12-1	ng/L	<0.578	<0.617	<0.624	<0.608	<0.610	<0.601	<0.603	<0.613	<0.599	<0.605	<0.623	<0.595	<0.617	<0.612	<0.611	<0.612
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/L	<0.540	<0.576	<0.583	<0.568	<0.570	<0.561	<0.563	<0.572	<0.559	<0.565	<0.582	<0.555	<0.577	<0.572	<0.570	<0.572
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	ng/L	<0.476	<0.508	<0.514	<0.501	<0.502	<0.495	<0.496	<0.504	<0.492	<0.498	<0.513	<0.489	<0.508	<0.504	<0.503	<0.504
Perfluoroalkane Sulfonamides/Sulfonamidoacetic Acids, Sulfonamidoethanols (FASA)																		
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/L	2.29	4.95	<0.411	133	181	192	10.0	0.919 J	3.69	1.12 J	10.3	10.5	3.52	0.488	117	2.72
N-methyl perfluorooctane sulfonamide (NMeFOSA)	31506-32-8	ng/L	<0.967	<1.03	<1.04	<1.02	<1.02	<1.01	<1.01	<1.02	<1.00	<1.01	1.11 J	1.21	<1.03	<1.02	<1.02	<1.02
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	4151-50-2	ng/L	<0.931	<0.993	<1.00	<0.979	1.21 J	<0.968	<0.970	<0.986	<0.963	<0.973	4.01	4.08	<0.994	<0.985	<0.983	<0.985
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/L	<0.662	<0.706	<0.714	7.46	19.6	21.9	2.31	<0.701	1.86	<0.692	1.88	2.46	<0.706	<0.700	17.9	<0.701
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2991-50-6	ng/L	22.1	4.88	<0.712	26.6	96.9	94.3	18.2	<0.699	5.66	<0.690	12.4	15.4	<0.704	<0.698	119	8.39
N-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	ng/L	<2.49	<2.66	<2.69	<2.62	<2.63	<2.59	<2.60	<2.64	<2.58	<2.60	<2.68	<2.56	<2.66	<2.63	<2.63	<2.64
N-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	ng/L	<2.44	<2.60	<2.64	<2.57	<2.58	<2.54	<2.55	<2.59	<2.53	<2.55	<2.63	<2.51	<2.61	<2.58	<2.58	<2.59
Fluorotelomer Substances (FTS)																		
4:2 Fluorotelomer sulfonic acid (4:2FTS)	757124-72-4	ng/L	<1.22	<1.30	<1.31	<1.28	<1.28	<1.26	<1.27	<1.29	<1.26	<1.27	<1.31	<1.25	<1.30	<1.29	<1.28	<1.29
6:2 Fluorotelomer sulfonic acid (6:2FTS)	27619-97-2	ng/L	<1.17	<1.25	<1.26	5.48 J	1.38 J	1.47	1.80 J	<1.24	<1.21	<1.22	2.51 J	2.54	<1.25	<1.24	2.12 J	<1.24
8:2 Fluorotelomer sulfonic acid (8:2FTS)	39108-34-4	ng/L	<1.79	<1.91	<1.93	8.09	3.32 J	3.64	2.17 J	<1.90	<1.85	<1.87	3.72 J	3.61	<1.91	<1.90	4.07 J	<1.90
Replacement Chemicals																		
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/L	<1.63	<1.74	<1.76	<1.71	<1.72	<1.69	<1.70	<1.72	<1.68	<1.70	<1.75	<1.67	<1.74	<1.72	<1.72	<1.72
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/L	<1.52	<1.62	<1.64	<1.60	<1.61	<1.58	<1.59	<1.61	<1.58	<1.59	<1.64	<1.57	<1.63	<1.61	<1.61	<1.61
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	756426-58-1	ng/L	<1.84	<1.96	<1.98	<1.93	<1.94	<1.91	<1.92	<1.95	<1.90	<1.92	<1.98	<1.89	<1.96	<1.95	<1.94	<1.95
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUs)	763051-92-9	ng/L	<1.85	<1.97	<1.99	<1.94	<1.95	<1.92	<1.93	<1.96	<1.91	<1.93	<1.99	<1.90	<1.97	<1.96	<1.95	<1.96

Notes:
PFAS laboratory analysis was completed using EPA Method 1633.
ng/L = nanogram per liter
J = The amount detected is greater than the Method Detection Limit, but less than the Reporting Limit.
Bold = value exceeds the Method Detection Limit

Table 3
Groundwater Analytical Results Comparison
 2024 Site Investigation Report
 Georgia-Pacific Broadway Facility
 Green Bay, Wisconsin

Parameter	CAS Number	Units	Sample Location and Date													
			MW-20-01		MW-20-02						MW-20-03					
			4/16/21	9/22/21	4/14/21	9/21/21	5/3/22	8/3/22	8/9/23	8/13/24	4/14/21	9/21/21	5/2/22	8/3/22	8/9/23	8/13/24
Perfluoroalkyl Carboxylates/Carboxylic Acids (PFCA)																
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	2.12	2.79	<0.703	<0.720	<0.993	<0.964	<1.29	<1.53	5.75	7.86	5.96	7.26	8.53	7.32
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	<0.958	<1.01	<0.963	87.6	61.2	62.8	66.7	63.3	5.27	10.7	6.79	8.30	7.57	8.54
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	<1.10	<1.16	142	141	148	140	145	228	5.26	9.18 Q	7.47	7.95	14.1	9.34
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	<8.65	<0.908	39.8	38.4	37.4	38.0	42.9	38.9	2.06	4.33	3.62	3.70	6.71	5.17
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	1.73 J	1.90 J	74.9	69.0	75.8	68.6	73.9	80.2	10.8	17.3	16.6	14.0	27.0	28.0
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	<0.552	<0.580	3.58	4.07	5.09	4.02	4.78 Q	5.36	1.98 J	3.45	2.78	2.37	2.60 Q	3.38
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	<0.880	<0.932	<0.884	<0.906	<0.929	<0.902	<1.17	0.670 J	<0.914	1.53 J, Q	1.49 J	<0.942	1.25 J, Q	1.69
Perfluoroundecanoic acid (PFUnDA/PFUdA)	2058-94-8	ng/L	<1.31	<1.38	<1.32	<1.35	<0.743	<0.721	<1.04	<0.395	<1.37	<1.36	<0.756	<0.752	<1.09	<0.422
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	<0.767	<0.805	<0.771	<0.790	<0.959	<0.931	<1.29	<0.213	<0.797	<0.794	<0.976	<0.972	<1.36	<0.228
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/L	<1.08	<1.13	<1.09	<1.11	<0.644	<0.625	<1.35	<0.245	<1.12	<1.12	<0.656	<0.653	<1.43	<0.261
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/L	<0.804	0.84	<0.801	<0.821	<0.802	<0.778	<1.12	<0.229	<0.828	<0.824	<0.816	<0.812	<1.18	<0.244
Perfluoroalkyl Sulfonates/Sulfonic Acids (PFSA)																
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/L	<0.753	<0.790	<0.757	<0.775	2.61 Q	<0.864	2.33	<0.646	0.963 J	<0.779	1.99 J	1.97 J	2.88 Q	2.42
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	ng/L	<0.885	<0.928	<0.889	<0.911	<0.806	<0.783	<1.68	<0.463	<0.919	<0.915	<0.821	<0.817	<1.77	0.545 J
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/L	<1.05	<1.10	2.68	1.82 J	5.14	3.15	<1.38	3.01	1.40 J	<1.09	1.78 J	1.65 J	2.87	3.38
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/L	<2.41	<2.53	<2.43	<2.49	<0.585	<0.568	<1.59	<0.361	<2.51	<2.50	1.01 J	<0.593	<1.67	0.714 J
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/L	<1.04	<1.09	4.62	5.17 Q	7.47 Q	<1.08	4.70	4.65	75.1	152	89.6	97.4	68.4	101
Perfluoronone sulfonic acid (PFNS)	68259-12-1	ng/L	<1.38	<1.45	<1.39	<1.42	<1.14	<1.10	<1.60	<0.578	<1.43	<1.43	<1.16	<1.15	<1.68	<0.617
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/L	<2.64	<2.77	<2.66	<2.72	<0.747	<0.725	<1.50	<0.540	<2.75	<2.74	<0.761	<0.757	<1.58	<0.576
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	ng/L	<1.55	<1.63	<1.56	<1.60	<1.39	<1.35	<1.68	<0.476	<1.61	<1.61	<1.42	<1.41	<1.77	<0.508
Perfluoroalkane Sulfonamides/Sulfonamidoacetic Acids, Sulfonamidoethanols (FASA)																
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/L	1.89 J,Q	1.79 J,Q	<1.33	<1.36	<1.07	<1.04	<1.68	2.29	9.53	9.20	9.99	16.2	14.0 Q	4.95
N-methyl perfluorooctane sulfonamide (NMeFOSA)	31506-32-8	ng/L	<6.70	<7.03	<6.73	<6.90	<2.20	<2.14	<2.91	<0.967	<6.96	<6.93	<2.24	<2.23	<3.07	<1.03
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	4151-50-2	ng/L	<7.14	<7.49	<7.17	<7.35	<2.29	<2.22	<2.38	<0.931	<7.41	<7.38	<2.33	<2.32	<2.51	<0.993
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/L	<0.924	<0.969	<0.929	<0.951	<0.934	<0.907	<1.34	<0.662	<0.960	<0.956	<0.951	<0.947	<1.41	<0.706
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2991-50-6	ng/L	<2.48	<2.60	22.7	25.2	30.8	30.0	26.8	22.1	39.0	52.4	14.7	20.1	12.0	4.88
N-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	ng/L	<7.82	<8.21	<7.86	<8.05	<1.97	<1.91	<2.28	<2.49	<8.13	<8.09	<2.00	<1.99	<2.40	<2.66
N-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	ng/L	<5.42	<5.69	<5.45	<5.59	<1.54	<1.50	<2.05	<2.44	<5.64	<5.61	<1.57	<1.56	<2.16	<2.60
Fluorotelomer Substances (FTS)																
4:2 Fluorotelomer sulfonic acid (4:2FTS)	757124-72-4	ng/L	<1.06	<1.11	<1.06	<1.09	<0.934	<0.907	<1.27	<1.22	<1.10	<1.09	<0.951	<0.947	<1.34	<1.30
6:2 Fluorotelomer sulfonic acid (6:2FTS)	27619-97-2	ng/L	<0.943	<0.990	<0.948	<0.972	<1.11	<1.07	<1.41	<1.17	<0.980	<0.976	5.76 Q	<1.12	<1.49	<1.25
8:2 Fluorotelomer sulfonic acid (8:2FTS)	39108-34-4	ng/L	<2.19	<2.30	<2.20	<2.26	<1.12	<1.08	<1.66	<1.79	<2.28	<2.27	<1.14	<1.13	<1.75	<1.91
Replacement Chemicals																
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/L	<0.606	<0.636	<0.609	<0.624	<1.54	<1.49	<1.89	<1.63	<0.630	<0.627	<1.57	<1.56	<1.99	<1.74
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/L	<0.831	<0.872	<0.835	<0.856	<0.629	<0.611	<1.06	<1.52	<0.863	<0.860	<0.641	<0.638	<1.12	<1.62
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9CI-PF3ONS)	756426-58-1	ng/L	<0.811	<0.851	<0.816	<0.836	<1.05	<1.02	<1.46	<1.84	<0.843	<0.839	<1.07	<1.06	<1.53	<1.96
11-chloroeicosafuoro-3-oxaundecane-1-sulfonic acid (11CI-PF3OUDS)	763051-92-9	ng/L	<0.417	<0.437	<0.419	<0.429	<0.974	<0.945	<1.16	<1.85	<0.433	<0.431	<0.991	<0.987	<1.22	<1.97

Notes:
 PFAS laboratory analysis was completed using a modified EPA Method 537 or EPA Method 163;
 ng/L = nanogram per liter
 J = The amount detected is greater than the Method Detection Limit, but less than the Reporting Limit.
 Q = The ion transition ratio is outside of the acceptance criteria.
 D = Sample was diluted prior to analysis.
Bold = value exceeds the Method Detection Limit

Table 3
Groundwater Analytical Results Comparison
 2024 Site Investigation Report
 Georgia-Pacific Broadway Facility
 Green Bay, Wisconsin

Parameter	CAS Number	Units	Sample Location and Date												
			MW-21-04						MW-21-05						
			4/15/21	9/22/21	5/4/22	8/1/22	8/9/23	8/13/24	4/15/21	9/22/21	5/3/22	8/2/22	8/9/23	8/14/24	
Perfluoroalkyl Carboxylates/Carboxylic Acids (PFCA)															
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	4.51	6.47	7.48	7.96	9.17	15.4		25.7	33.4	31.1	31.2	36.5	36.6
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	4.01	6.18	6.57	6.43	8.96	13.7		56.7	54.8	48.3	57.4	64.3	60.4
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	2.96 Q	3.31 Q	2.94	3.69	4.54	8.58		115	123	120	131	139	143
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	<0.861	<0.889	<0.948	<0.919	1.26 J	3.27		81.0	101	88.5	99.2	105	110
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	<1.06	<1.09	<0.968	0.973 J	1.75 J	4.97		346	378	368	403	510	528
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	<0.550	<0.567	<0.765	<0.742	<1.22	<0.250		53.7	32.3	40.6	48.7	68.1	80.5
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	<0.876	<0.904	<0.958	<0.929	<1.19	<0.439		7.34	5.87	7.73	8.64	11.2	10
Perfluoroundecanoic acid (PFUnDA/PFUdA)	2058-94-8	ng/L	<1.31	<1.35	<0.765	<0.742	<1.05	<0.427		<1.36	<1.38	<0.751	<0.786	<1.08	0.428 J
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	<0.764	<0.788	<0.988	<0.958	<1.30	<0.230		<0.796	<0.807	<0.970	<1.01	<1.34	<0.225
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/L	<1.08	<1.11	<0.664	<0.644	<1.37	<0.265		<1.12	<1.14	<0.652	<0.682	<1.40	<0.258
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/L	<0.793	<0.818	<0.826	<0.801	<1.13	<0.247		<0.826	<0.837	<0.811	<0.848	<1.16	<0.241
Perfluoroalkyl Sulfonates/Sulfonic Acids (PFSA)															
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/L	1.45 J,Q	1.32 J	1.74 J	1.59 J	1.66 J	3.72		3.84	4.30	5.21	4.61	6.76	6.43
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	ng/L	<0.881	<0.909	<0.831	<0.806	<1.70	<0.500		4.97	3.70	4.72	6.07	5.66	7.07
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/L	<1.05	<1.08	<1.04	<1.01	<1.39	0.831 J		26.7	20.4	24.3	26.4	30.1	33.3
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/L	<2.40	<2.48	<0.603	<0.585	<1.60	<0.390		10.1	7.07	10.2	10.3	17.0	16.3
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/L	<1.04	<1.07	<1.15	<1.11	<1.82	<1.21		958	411	644	758	1,030	818
Perfluoronone sulfonic acid (PFNS)	68259-12-1	ng/L	<1.37	<1.42	<1.17	<1.14	<1.61	<0.624		<1.43	<1.45	<1.15	<1.20	<1.65	<0.608
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/L	<2.63	<2.72	<0.770	<0.747	<1.51	<0.583		<2.74	<2.78	<0.756	<0.791	<1.55	<0.568
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	ng/L	<1.55	<1.60	<1.43	<1.39	<1.70	<0.514		<1.61	<1.63	<1.41	<1.47	<1.74	<0.501
Perfluoroalkane Sulfonamides/Sulfonamidoacetic Acids, Sulfonamidoethanols (FASA)															
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/L	6.17	<1.36	1.50 J,Q	<1.07	<1.70	<0.411		62.7	37.0	41.2	57.0	75.9	133
N-methyl perfluorooctane sulfonamide (NMeFOSA)	31506-32-8	ng/L	<6.67	<6.88	<2.27	<2.20	<2.94	<1.04		<6.94	<7.04	<2.23	<2.33	<3.02	<1.02
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	4151-50-2	ng/L	<0.793	<7.33	<2.36	<2.29	<2.41	<1.00		<7.4	<7.50	<2.31	<2.42	<2.47	<0.979
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/L	<0.92	<0.949	<0.963	<0.934	<1.35	<0.714		2.65	2.26	2.88 Q	5.71	6.08	7.46
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2991-50-6	ng/L	<2.47	<2.55	<1.05	<1.02	<1.31	<0.712		7.37	7.82	11.1	15.5	22.0	26.6
N-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	ng/L	<7.79	<8.03	<2.03	<1.97	<2.30	<2.69		<8.11	<8.22	<1.99	<2.08	<2.36	<2.62
N-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	ng/L	<5.4	<5.57	<1.59	<1.54	<2.07	<2.64		<5.62	<5.70	<1.56	<1.63	<2.12	<2.57
Fluorotelomer Substances (FTS)															
4:2 Fluorotelomer sulfonic acid (4:2FTS)	757124-72-4	ng/L	<1.05	<1.08	<0.963	<0.934	<1.28	<1.31		<1.09	<1.11	<0.945	<0.988	<1.31	<1.28
6:2 Fluorotelomer sulfonic acid (6:2FTS)	27619-97-2	ng/L	<0.939	<0.969	<1.14	<1.11	<1.43	<1.26		7.57	6.81	6.32	9.37	5.52	5.48 J
8:2 Fluorotelomer sulfonic acid (8:2FTS)	39108-34-4	ng/L	<0.218	<2.25	<1.15	<1.12	<1.68	<1.93		9.66	4.05	5.93	6.68	6.39	8.09
Replacement Chemicals															
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/L	<0.604	<0.622	<1.59	<1.54	<1.91	<1.76		<0.628	<0.637	<1.56	<1.63	<1.96	<1.71
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/L	<0.827	<0.853	<0.649	<0.629	<1.07	<1.64		<0.861	<0.873	<0.637	<0.666	<1.10	<1.60
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	ng/L	<0.808	<0.833	<1.08	<1.05	<1.47	<1.98		<0.841	<0.853	<1.06	<1.11	<1.51	<1.93
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	ng/L	<0.415	<0.428	<1.00	<0.973	<1.17	<1.99		<0.432	<0.438	<0.985	<1.03	<1.20	<1.94

Notes:
 PFAS laboratory analysis was completed using a modified EPA Method 537 or EPA Method 163;
 ng/L = nanogram per liter
 J = The amount detected is greater than the Method Detection Limit, but less than the Reporting Limit
 Q = The ion transition ratio is outside of the acceptance criteria.
 D = Sample was diluted prior to analysis.
Bold = value exceeds the Method Detection Limit

Table 3
Groundwater Analytical Results Comparison
 2024 Site Investigation Report
 Georgia-Pacific Broadway Facility
 Green Bay, Wisconsin

Parameter	CAS Number	Units	Sample Location and Date											
			MW-21-06						MW-21-07					
			4/15/21	9/22/21	5/3/22	8/1/22	8/10/23	8/13/24	4/15/21	9/21/21	5/3/22	8/2/22	8/9/23	8/13/24
Perfluoroalkyl Carboxylates/Carboxylic Acids (PFCA)														
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	29.3	31.7	27.2	34.9	39.7	32.0	28.8	25.3	28.7	25.6	26.9	25.7
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	52.6	56.7	43.3	64.6	63.6	55.5	42.8	43.1	41.5	38.2	41.2	37.5
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	58.2	61.9	49.2	66.3	63.9	55.9	55.1	55.8	53.2	50.7	47.6	46.9
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	84.5	65.9	92.0	87.4	70.8	66.9	48.9	54.4	45.8	46.4	45.0	43.6
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	644	347	1160	512	498	535	133	197	201	212	178	209
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	113	52.4	60.0	108	129	101	27.2	46.5	56.5	57.6	44.3	65.2
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	37.0	7.90	20.7	40.7	35.7	30.3	2.88	5.82	8.14	8.93	5.75	8.58
Perfluoroundecanoic acid (PFUnDA/PFUdA)	2058-94-8	ng/L	<1.31	<1.42	<0.752	<0.767	<1.07	0.773 J	<1.35	<1.34	<0.747	<0.763	<1.08	0.420J
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	<0.767	<0.828	<0.971	<0.990	<1.33	<0.225	<0.787	<0.783	<0.965	<0.986	<1.34	<0.223
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/L	<1.08	<1.17	<0.653	<0.665	<1.40	<0.259	<1.11	<1.10	<0.648	<0.662	<1.40	<0.256
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/L	<0.796	<0.860	<0.812	<0.828	<1.15	<0.242	<0.817	<0.813	<0.806	<0.824	<1.16	<0.239
Perfluoroalkyl Sulfonates/Sulfonic Acids (PFSA)														
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/L	4.78	5.31	6.28	7.69	8.92	9.66	2.94	2.77	3.53	2.84	4.44 Q	3.61
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	ng/L	6.32	4.46	9.41	6.58	6.09	6.08	2.05	2.00	2.66	3.84	2.67	2.35
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/L	31.7	22.7	36.4	30.9	33.8	29.9	12.8	20.1	18.5	19	17.4	17.0
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/L	19.0	6.48	14.1	20.5	20.1	22.9	<2.48	6.22	6.44	7.13	4.29	6.96
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/L	2,220 D	346	1270	2280 D	1990 D	1,910	97.1	251	301	284	221	302
Perfluoronone sulfonic acid (PFNS)	68259-12-1	ng/L	<1.38	<1.49	<1.15	<1.17	2.85 Q	<0.610	<1.41	<1.41	<1.14	<1.17	<1.66	<0.603
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/L	<2.64	<2.85	<0.757	<0.772	<1.55	<0.570	<2.71	<2.70	<0.752	<0.768	<1.55	<0.563
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	ng/L	<1.55	<1.68	<1.41	<1.44	<1.73	<0.502	<1.59	<1.59	<1.40	<1.43	<1.74	<0.496
Perfluoroalkane Sulfonamides/Sulfonamidoacetic Acids, Sulfonamidoethanols (FASA)														
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/L	90.2	7.46	43.8	83.7	130	181	11.4	28.1	17.9	40.5	48.7 Q	10.0
N-methyl perfluorooctane sulfonamide (NMeFOSA)	31506-32-8	ng/L	<6.69	<7.23	<2.23	<2.28	<3.00	<1.02	<6.87	<6.83	<2.22	<2.26	<3.02	<1.01
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	4151-50-2	ng/L	<7.13	<7.70	<2.32	<2.36	<2.46	1.21 J	<7.32	<7.28	<2.30	<2.35	<2.47	<0.970
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/L	20.2	4.82	6.88	18.0	24.8	19.6	<0.947	0.971 J, Q	1.06 J	1.71 J, Q	<1.39	2.31
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2991-50-6	ng/L	70.1	30.5	41.4	92.4	158	96.9	5.40	14.0	13.5	13.6	10.9	18.2
N-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	ng/L	<7.82	<8.44	<1.99	<2.03	<2.35	<2.63	<8.02	<7.98	<1.98	<2.02	<2.36	<2.60
N-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	ng/L	<5.42	<5.82	<1.56	<1.59	<2.11	<2.58	<5.56	<5.53	<1.55	<1.59	<2.12	<2.55
Fluorotelomer Substances (FTS)														
4:2 Fluorotelomer sulfonic acid (4:2FTS)	757124-72-4	ng/L	<1.06	<1.14	<0.946	<0.965	<1.31	<1.28	<1.08	<1.08	<0.940	<0.960	<1.31	<1.27
6:2 Fluorotelomer sulfonic acid (6:2FTS)	27619-97-2	ng/L	3.39	<1.02	3.81	1.99 J	2.38	1.38 J	10.2	1.55 J	3.23	2.33	1.97 J	1.80 J
8:2 Fluorotelomer sulfonic acid (8:2FTS)	39108-34-4	ng/L	5.69	<2.36	2.42	5.5	4.39	3.32 J	<2.25	<2.23	1.26 J	2.05	1.96 J	2.17 J
Replacement Chemicals														
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/L	<0.606	<0.654	<1.56	<1.59	<1.95	<1.72	<0.622	<0.618	<1.55	<1.58	<1.96	<1.70
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/L	<0.831	<0.897	<0.638	<0.650	<1.10	<1.61	<0.852	<0.848	<0.633	<0.647	<1.10	<1.59
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	ng/L	<0.811	<0.876	<1.06	<1.08	<1.50	<1.94	<0.832	<0.828	<1.05	<1.08	<1.51	<1.92
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	ng/L	<0.417	<0.450	<0.986	<1.01	<1.20	<1.95	<0.428	<0.425	<0.980	<1.00	<1.20	<1.93

Notes:
 PFAS laboratory analysis was completed using a modified EPA Method 537 or EPA Method 163;
 ng/L = nanogram per liter
 J = The amount detected is greater than the Method Detection Limit, but less than the Reporting Limit
 Q = The ion transition ratio is outside of the acceptance criteria.
 D = Sample was diluted prior to analysis.
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Table 3
Groundwater Analytical Results Comparison
 2024 Site Investigation Report
 Georgia-Pacific Broadway Facility
 Green Bay, Wisconsin

Parameter	CAS Number	Units	Sample Location and Date											
			MW-21-08						MW-21-09					
			4/15/21	9/21/21	5/2/22	8/1/22	8/10/23	8/14/24	4/15/21	9/20/21	5/2/22	8/2/22	8/10/23	8/13/24
Perfluoroalkyl Carboxylates/Carboxylic Acids (PFCA)														
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	15.4	16.0	13.2	18.6	27.3	21.4	11.8	12.2	18.9	16.5	22.1	17.1
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	24.9	22.1	15.4	27.3	55.6	32.9	20.5	16.3	19.0	20.7	25.4	20.7
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	25.1	29.7	18.8	38.3	59.8	32.9	22.5	22.6	29.2	27.7	37.7	30.1
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	18.9	24.5	10.7	30.1	49.4	21.5	25.8	25.8	28.5	27.1	37.0	28.1
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	109	119	39.5	130	214	76.0	164	131	132	132	193	153
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	18.8	16.4	4.93	14.8	31.5	7.64	16.4	15.1	11.6	12.3	16.1	14.9
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	3.66	2.27	1.12 J	2.22	3.63	2.66	0.955 J	2.00 J	1.63 J	0.967 J	1.76 J	1.57J
Perfluoroundecanoic acid (PFUnDA/PFUdA)	2058-94-8	ng/L	<1.33	<1.35	<0.746	1.04 J	<1.08	2.13	<1.34	<1.42	<0.768	<0.735	<1.07	<0.409
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	<0.774	<0.786	<0.963	<0.956	<1.34	0.481 J	<0.780	<0.827	<0.992	<0.949	<1.33	<0.221
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/L	<1.09	<1.11	<0.647	<0.642	<1.41	<0.260	<1.10	<1.16	<0.667	<0.638	<1.39	<0.254
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/L	<0.804	<0.816	<0.805	<0.799	<1.16	<0.242	<0.810	<0.859	<0.829	<0.793	<1.15	<0.237
Perfluoroalkyl Sulfonates/Sulfonic Acids (PFSA)														
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/L	3.98	3.73	2.32	3.41	5.76	3.19	1.73 J	2.60	3.26	2.28	<1.14	3.53
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	ng/L	1.46 J	<0.906	<0.810	1.68 J	4.48	1.07 J	<0.900	<0.953	3.54	4.97 Q	<1.73	3.44
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/L	6.30	7.35 Q	2.31	9.46	19.6 Q	5.73	11.7	16.8	15.3	16.4	22.9	14.5
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/L	2.7 Q	<2.47	1.19 J,Q	2.3	5.40 Q	1.49 J	5.37 Q	4.90	5.06	3.79	5.70 Q	4.27
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/L	170	94.5	32.7	106	228	60.3	195	309	205	228	264	232
Perfluoronone sulfonic acid (PFNS)	68259-12-1	ng/L	<1.39	<1.41	<1.14	<1.13	<1.66	<0.613	<1.40	<1.49	<1.18	<1.12	<1.64	<0.599
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/L	<2.67	<2.71	<0.751	<0.745	<1.56	<0.572	<2.69	<2.85	<0.774	<0.740	<1.54	<0.559
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	ng/L	<1.57	<1.59	<1.40	<1.39	<1.74	<0.504	<1.58	<1.68	<1.44	<1.38	<1.72	<0.492
Perfluoroalkane Sulfonamides/Sulfonamidoacetic Acids, Sulfonamidoethanols (FASA)														
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/L	8.84	3.06	2.57 Q	<1.07	6.40 Q	0.919 J	9.53	29.9	35.2	31.9	55.8	3.69
N-methyl perfluorooctane sulfonamide (NMeFOSA)	31506-32-8	ng/L	<6.75	<6.86	<2.21	<2.20	<3.02	<1.02	<6.81	<7.22	<2.28	<2.18	<2.99	<1.00
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	4151-50-2	ng/L	<7.20	<7.31	<2.30	<2.28	<2.47	<0.986	<7.26	<7.69	<2.37	<2.26	<2.45	<0.963
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/L	1.31 J	<0.947	<0.939	<0.932	<1.39	<0.701	<0.939	2.22	<0.967	1.34 J	<1.38	1.86
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2991-50-6	ng/L	12.3	<2.54	<1.03	<1.02	4.28	<0.699	<2.52	7.54 Q	3.60	4.74	4.45	5.66
N-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	ng/L	<7.89	<8.01	<1.98	<1.96	<2.36	<2.64	<7.95	<8.43	<2.04	<1.95	<2.34	<2.58
N-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	ng/L	<5.47	<5.56	<1.55	<1.54	<2.13	<2.59	<5.52	<5.85	<1.60	<1.53	<2.10	<2.53
Fluorotelomer Substances (FTS)														
4:2 Fluorotelomer sulfonic acid (4:2FTS)	757124-72-4	ng/L	<1.06	<1.08	<0.939	<0.932	<1.32	<1.29	<1.07	<1.14	<0.967	<0.925	<1.30	<1.26
6:2 Fluorotelomer sulfonic acid (6:2FTS)	27619-97-2	ng/L	<0.952	1.40J	<1.11	<1.10	<1.47	<1.24	3.97	<1.02	8.94	<1.09	<1.45	<1.21
8:2 Fluorotelomer sulfonic acid (8:2FTS)	39108-34-4	ng/L	<2.21	<2.24	<1.12	<1.11	<1.73	<1.90	<2.23	<2.36	<1.16	<1.10	<1.71	<1.85
Replacement Chemicals														
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/L	<0.611	<0.621	<1.55	<1.53	<1.97	<1.72	<0.616	<0.653	<1.59	<1.52	<1.94	<1.68
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/L	<0.838	<0.851	<0.632	<0.628	<1.10	<1.61	<0.845	<0.895	<0.651	<0.623	<1.09	<1.58
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	ng/L	<0.818	<0.831	<1.05	<1.04	<1.51	<1.95	<0.825	<0.874	<1.08	<1.04	<1.50	<1.90
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	ng/L	<0.421	<0.427	<0.978	<0.971	<1.20	<1.96	<0.424	<0.449	<1.01	<0.964	<1.19	<1.91

Notes:
 PFAS laboratory analysis was completed using a modified EPA Method 537 or EPA Method 163;
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 Q = The ion transition ratio is outside of the acceptance criteria.
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Table 3
Groundwater Analytical Results Comparison
 2024 Site Investigation Report
 Georgia-Pacific Broadway Facility
 Green Bay, Wisconsin

Parameter	CAS Number	Units	Sample Location and Date											
			MW-21-10						MW-21-11					
			4/16/21	9/21/21	5/3/22	8/3/22	8/9/23	8/13/24	4/16/21	9/21/21	5/3/22	8/2/22	8/9/23	8/13/24
Perfluoroalkyl Carboxylates/Carboxylic Acids (PFCA)														
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	12.9	22.4	44.6	34.0	18.9	27.5	<0.704	<0.754	<1.02	<1.02	<1.34	28.0
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	47.9	42.4	44.9	63.9	35.1	47.9	32.7	26.3	<0.762	5.55	<1.34	20.8
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	47.9	53.7	63.4	79.2	43.7	65.3	58.3	52.7	56.5	14.1	35.2	42.8
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	27.6	63.5	45.9	55.5	40.1	49.6	29.3	30.2	36.6	8.79	19.7	26.9
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	61.9	417	175	191	117	148	127	123	186	43.0	98.4	123
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	14.3	26.9	16.5	20.8	13.7	13.5	15.3	12.2	11.8	3.90 Q	6.93	10.7
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	13.5	29.6	8.49	15.3	16.8	13.5	42.3	31.8	28.4	11.5	11.7	16.4
Perfluoroundecanoic acid (PFUnDA/PFUdA)	2058-94-8	ng/L	<1.30	3.55	0.868 J	1.13 J	1.64 J	1.09 J	3.66	5.20	5.20	2.80	2.11	2.99
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	<0.759	<0.765	<0.989	<0.965	<1.38	<0.223	0.816 J,Q	1.61 J	3.56	2.51	<1.34	2.34
Perfluorotridecanoic acid (PFTrDA)	72629-94-8	ng/L	<1.07	<1.08	<0.665	<0.648	<1.45	<0.256	<1.09	<1.17	<0.661	<0.658	<1.41	<0.264
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/L	<0.789	<0.795	<0.827	<0.806	<1.19	<0.239	<0.803	<0.86	<0.823	<0.819	<1.16	<0.247
Perfluoroalkyl Sulfonates/Sulfonic Acids (PFSA)														
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/L	1.88 J	5.00	5.29	4.40	3.00	4.62	6.05	4.11	6.02	<0.910	3.36	4.03
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	ng/L	<0.876	2.46	2.30	2.37	<1.80	1.57	2.37	1.38 J,Q	5.24	<0.824	<1.75	1.28 J
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/L	2.43	17.5	7.65	8.82	4.23 Q	5.29	16.5 Q	17.4	15.3	3.26	6.95	8.06
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/L	<2.39	7.56	2.00 J,Q	2.26	<1.69	0.601 J	<2.43	<2.61	1.79 J	<0.598	<1.65	1.01 J
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/L	21.5	117	33.3 Q	45.7 Q	19.1	18.3	191	193	146	56.6	79.8	101
Perfluoronone sulfonic acid (PFNS)	68259-12-1	ng/L	<1.36	<1.37	<1.17	<1.14	<1.70	<0.605	<1.39	<1.49	<1.17	<1.16	<1.66	<0.623
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/L	<2.62	<2.64	<0.771	<0.752	<1.60	<0.565	<2.66	<2.85	<0.767	<0.764	<1.56	<0.582
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	ng/L	<1.54	<1.55	<1.44	<1.40	<1.79	<0.498	<1.57	<1.68	<1.43	<1.42	<1.74	<0.513
Perfluoroalkane Sulfonamides/Sulfonamidoacetic Acids, Sulfonamidoethanols (FASA)														
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/L	8.47 Q	7.80	6.21	14.7	14.2 Q	1.12 J	17.2	11.3	16.1	10.3	12.6 Q	10.3
N-methyl perfluorooctane sulfonamide (NMeFOSA)	31506-32-8	ng/L	<6.63	<6.68	<2.27	<2.22	<3.11	<1.01	<6.75	<7.23	<2.26	<2.25	<3.02	1.11 J
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	4151-50-2	ng/L	<7.06	<7.12	<2.36	<2.30	<2.54	<0.973	<7.19	<7.70	5.22	<2.34	<2.47	4.01
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/L	<0.914	<0.921	<0.964	<0.940	<1.43	<0.692	2.48	2.29 Q	3.00	1.55 J	1.88 J, Q	1.88
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2991-50-6	ng/L	<2.45	<2.47	<1.06	<1.03	<1.38	<0.690	4.28	4.72	5.04	21.6	10.7	12.4
N-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	ng/L	<7.74	<7.80	<2.03	<1.98	<2.43	<2.60	<7.88	<8.44	<2.02	<2.01	<2.36	<2.68
N-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	ng/L	<5.37	<5.41	<1.59	<1.55	<2.19	<2.55	<5.47	<5.86	<1.59	<1.58	<2.13	<2.63
Fluorotelomer Substances (FTS)														
4:2 Fluorotelomer sulfonic acid (4:2FTS)	757124-72-4	ng/L	<1.04	<1.05	<0.964	<0.940	<1.35	<1.27	<1.06	<1.14	<0.959	<0.955	<1.32	<1.31
6:2 Fluorotelomer sulfonic acid (6:2FTS)	27619-97-2	ng/L	<0.934	<0.941	<1.14	<1.11	<1.51	<1.22	3.70	2.97	3.74	1.27 J	2.56	2.51 J
8:2 Fluorotelomer sulfonic acid (8:2FTS)	39108-34-4	ng/L	<2.17	<2.18	<1.15	<1.12	<1.78	<1.87	7.43	6.78	5.49	2.41	3.46	3.72 J
Replacement Chemicals														
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/L	<0.600	<0.605	<1.59	<1.55	<2.02	<1.70	<0.611	<0.654	<1.58	<1.57	<1.97	<1.75
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/L	<0.822	<0.829	<0.649	<0.633	<1.13	<1.59	<0.837	<0.897	<0.646	<0.643	<1.10	<1.64
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	ng/L	<0.803	<0.809	<1.08	<1.05	<1.55	<1.92	<0.818	<0.876	<1.08	<1.07	<1.51	<1.98
11-chloroicosadecafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	ng/L	<0.413	<0.416	<1.00	<0.980	<1.24	<1.93	<0.420	<0.450	<1.00	<0.995	<1.20	<1.99

Notes:
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Table 3
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 2024 Site Investigation Report
 Georgia-Pacific Broadway Facility
 Green Bay, Wisconsin

Parameter	CAS Number	Units	Sample Location and Date											
			MW-22-12				MW-22-13				MW-22-14			
			5/5/22	8/2/22	8/10/23	8/14/24	5/5/22	8/1/22	8/10/23	8/13/24	5/5/22	8/1/22	8/10/23	8/14/24
Perfluoroalkyl Carboxylates/Carboxylic Acids (PFCA)														
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	21.4	22.3	21.6	20.7	<0.760	<0.989	<1.31	<1.62	33.8	28.6	34.5	32.6
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	26.1	25.2	23.4	21	<0.820	<0.798	<1.24	<0.277	57.3	44.2	57	52.4
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	36.6	40.4	36.4	31.5	<0.941	<0.915	<0.864	<0.275	62.1	60.5	65.6	70.9
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	35.7	37.1	33.1	29.5	<0.961	<0.935	<1.10	<1.80	70.2	73.7	93.6	96.5
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	197	179	188	163	<0.760	<0.739	<1.23	<0.245	571	520	687	875
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	6.02	3.72	5.89	6.48	<0.951	<0.925	<1.20	<0.431	102	75.1	116	124
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	<0.940	<0.951	<1.22	0.662 J	<0.760	<0.739	<1.06	<0.419	18.1	17.6	18.8	21.1
Perfluoroundecanoic acid (PFUnDA/PFUdA)	2058-94-8	ng/L	<0.751	<0.760	<1.08	<0.422	<0.981	<0.955	<1.31	<0.226	<0.731	<0.762	<1.10	<0.418
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	<0.969	<0.981	<1.35	<0.228	<0.659	<0.641	<1.38	<0.259	<0.944	<0.984	<1.37	<0.225
Perfluorotridecanoic acid (PFTTrDA)	72629-94-8	ng/L	<0.651	<0.659	<1.41	<0.262	<0.820	<0.798	<1.14	<0.242	<0.634	<0.661	<1.43	<0.259
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/L	<0.810	<0.820	<1.16	<0.244	<0.911	<0.886	<1.13	<0.684	<0.789	<0.823	<1.18	<0.242
Perfluoroalkyl Sulfonates/Sulfonic Acids (PFSA)														
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/L	4.96	4.17	4.80	4.39	<0.825	<0.803	<1.71	<0.491	6.38	5.16	7.37	6.68
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	ng/L	7.42	11.4 Q	5.85	4.41	<1.04	<1.01	<1.40	<0.511	4.39	6.06	5.38	6.27
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/L	24.7	18.9	24.1	14.9	<0.599	<0.583	<1.62	<0.382	45.4	36.7	47.6	52.0
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/L	4.30	3.55	2.49	3.09	1.54 J	<1.11	<1.84	<1.19	35.7	27.5	34.4	45.3
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/L	149	106	160	134	<1.16	<1.13	<1.62	<0.612	2,100	2,070 D	2,280 D	3,120
Perfluoronone sulfonic acid (PFNS)	68259-12-1	ng/L	<1.15	<1.16	<1.66	<0.617	<0.765	<0.744	<1.53	<0.572	<1.12	<1.17	<1.69	<0.611
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/L	<0.756	<0.765	<1.56	<0.577	<1.42	<1.39	<1.71	<0.504	<0.736	<0.767	<1.59	<0.570
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	ng/L	<1.41	<1.42	<1.75	<0.508	<1.58	<1.54	<2.08	<2.58	<1.37	<1.43	<1.78	<0.503
Perfluoroalkane Sulfonamides/Sulfonamidoacetic Acids, Sulfonamidoethanols (FASA)														
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/L	10.5	31.9	36.7 Q	3.52	1.97 J	<1.07	<1.71	0.488	42.1	48.4	62.4 Q	117
N-methyl perfluorooctane sulfonamide (NMeFOSA)	31506-32-8	ng/L	<2.23	<2.25	<3.03	<1.03	<2.25	<2.19	<2.96	<1.02	<2.17	<2.26	<3.09	<1.02
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	4151-50-2	ng/L	<2.31	<2.34	<2.48	<0.994	<2.34	<2.28	<2.43	<0.985	<2.25	<2.35	<2.52	<0.983
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/L	<0.945	<0.956	<1.40	<0.706	<0.956	<0.930	<1.36	<0.700	7.51	12.1	14.7	17.9
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2991-50-6	ng/L	<1.03	<1.05	<1.35	<0.704	<1.05	<1.02	<1.32	<0.698	48.4	87.0	87.3	119
N-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	ng/L	<1.99	<2.01	<2.37	<2.66	<2.01	<1.96	<2.32	<2.63	<1.94	<2.02	<2.41	<2.63
N-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	ng/L	<1.56	<1.58	<2.13	<2.61	<1.58	<1.54	<2.08	<2.58	<1.52	<1.58	<2.17	<2.58
Fluorotelomer Substances (FTS)														
4:2 Fluorotelomer sulfonic acid (4:2FTS)	757124-72-4	ng/L	<0.945	<0.956	<1.32	<1.30	<0.956	<0.930	<1.29	<1.29	<0.920	<0.959	<1.34	<1.28
6:2 Fluorotelomer sulfonic acid (6:2FTS)	27619-97-2	ng/L	<1.12	<1.13	<1.47	<1.25	3.50	<1.10	<1.44	<1.24	2.98	1.40 J	1.96 J	2.12 J
8:2 Fluorotelomer sulfonic acid (8:2FTS)	39108-34-4	ng/L	<1.13	<1.14	<1.73	<1.91	<1.14	<1.11	<1.69	<1.90	1.78	3.09	4.58	4.07 J
Replacement Chemicals														
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/L	<1.56	<1.57	<1.97	<1.74	<1.58	<1.53	<1.93	<1.72	<1.52	<1.58	<2.01	<1.72
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/L	<0.636	<0.644	<1.11	<1.63	<0.644	<0.627	<1.08	<1.61	<0.620	<0.646	<1.13	<1.61
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	ng/L	<1.06	<1.07	<1.52	<1.96	<1.07	<1.04	<1.48	<1.95	<1.03	<1.07	<1.54	<1.94
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	ng/L	<0.984	<0.996	<1.21	<1.97	<0.997	<0.969	<1.18	<1.96	<0.959	<0.999	<1.23	<1.95

Notes:
 PFAS laboratory analysis was completed using a modified EPA Method 537 or EPA Method 1631.
 ng/L = nanogram per liter
 J = The amount detected is greater than the Method Detection Limit, but less than the Reporting Limit.
 Q = The ion transition ratio is outside of the acceptance criteria.
 D = Sample was diluted prior to analysis.
Bold = value exceeds the Method Detection Limit

Table 3
Groundwater Analytical Results Comparison
2024 Site Investigation Report
Georgia-Pacific Broadway Facility
Green Bay, Wisconsin


Parameter	CAS Number	Units	Sample Location and Date					
			MW-22-15				GP-02	GP-02
			5/3/22	8/2/22	8/10/23	8/14/24	5/6/22	8/2/22
Perfluoroalkyl Carboxylates/Carboxylic Acids (PFCA)								
Perfluorobutanoic acid (PFBA)	375-22-4	ng/L	14.4	11.6	<1.34	<1.62	7.34	7.21
Perfluoropentanoic acid (PFPeA)	2706-90-3	ng/L	22.6	18.9	14.9	19.4	2.71	2.26
Perfluorohexanoic acid (PFHxA)	307-24-4	ng/L	35.2	20.7	14.3	59.3	3.56	2.70
Perfluoroheptanoic acid (PFHpA)	375-85-9	ng/L	30.2	15.1	11.7	12.4	1.71	1.29 J
Perfluorooctanoic acid (PFOA)	335-67-1	ng/L	94.5	50.7	43.6	54.6	6.44	5.89
Perfluorononanoic acid (PFNA)	375-95-1	ng/L	6.28	2.28	2.48 Q	1.82	<0.761	<0.749
Perfluorodecanoic acid (PFDA)	335-76-2	ng/L	6.18	2.94	1.38 J	0.901 J	<0.953	<0.938
Perfluoroundecanoic acid (PFUnDA/PFUdA)	2058-94-8	ng/L	1.07 J,Q	<0.759	<1.08	<0.419	<0.761	<0.749
Perfluorododecanoic acid (PFDoA)	307-55-1	ng/L	<0.980	<0.980	<1.34	<0.226	<0.983	<0.967
Perfluorotridecanoic acid (PFTTrDA)	72629-94-8	ng/L	<0.659	<0.659	<1.41	<0.260	<0.660	<0.650
Perfluorotetradecanoic acid (PFTeDA)	376-06-7	ng/L	<0.819	<0.819	<1.16	<0.242	<0.822	<0.809
Perfluoroalkyl Sulfonates/Sulfonic Acids (PFSA)								
Perfluorobutane sulfonic acid (PFBS)	375-73-5	ng/L	<0.910	<0.910	<1.15	<0.684	1.70	1.60 J
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	ng/L	<0.824	<0.824	<1.75	1.66	<0.827	<0.814
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	ng/L	3.72 Q	2.54	5.40 Q	3.6	1.18	1.25 J
Perfluoroheptane sulfonic acid (PFHpS)	375-92-8	ng/L	<0.598	<0.598	<1.65	0.825 J	<0.600	<0.590
Perfluorooctane sulfonic acid (PFOS)	1763-23-1	ng/L	46.5	42.6	37.8	32.9	<1.14	1.72 J
Perfluoronone sulfonic acid (PFNS)	68259-12-1	ng/L	<1.16	<1.16	<1.66	<0.612	<1.16	<1.15
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ng/L	<0.764	<0.764	<1.56	<0.572	<0.766	<0.754
Perfluorododecanesulfonic acid (PFDoS)	79780-39-5	ng/L	<1.42	<1.42	<1.75	<0.504	<1.43	<1.40
Perfluoroalkane Sulfonamides/Sulfonamidoacetic Acids, Sulfonamidoethanols (FASA)								
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ng/L	63.4	17.5	14.2 Q	2.72	5.73	3.51 Q
N-methyl perfluorooctane sulfonamide (NMeFOSA)	31506-32-8	ng/L	<2.25	<2.25	<3.03	<1.02	<2.26	<2.22
N-ethyl perfluorooctane sulfonamide (NEtFOSA)	4151-50-2	ng/L	<2.34	<2.34	<2.48	<0.985	<2.34	<2.31
N-methyl perfluorooctane sulfonamidoacetic acid (NMeFOSAA)	2355-31-9	ng/L	<0.955	<0.955	<1.39	<0.701	<0.958	<0.943
N-ethyl perfluorooctane sulfonamidoacetic acid (NEtFOSAA)	2991-50-6	ng/L	5.62	5.42	8.45	8.39	<1.05	<1.03
N-methyl perfluorooctane sulfonamidoethanol (NMeFOSE)	24448-09-7	ng/L	<2.01	<2.01	<2.37	<2.64	<2.02	<1.98
N-ethyl perfluorooctane sulfonamidoethanol (NEtFOSE)	1691-99-2	ng/L	<1.58	<1.58	<2.13	<2.59	<1.58	<1.56
Fluorotelomer Substances (FTS)								
4:2 Fluorotelomer sulfonic acid (4:2FTS)	757124-72-4	ng/L	<0.955	<0.955	<1.32	<1.29	<0.958	<0.943
6:2 Fluorotelomer sulfonic acid (6:2FTS)	27619-97-2	ng/L	<1.13	<1.13	<1.47	<1.24	<1.13	<1.12
8:2 Fluorotelomer sulfonic acid (8:2FTS)	39108-34-4	ng/L	<1.14	<1.14	<1.73	<1.90	<1.14	<1.13
Replacement Chemicals								
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13252-13-6	ng/L	<1.57	<1.57	<1.97	<1.72	<1.58	<1.55
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4	ng/L	<0.644	<0.644	<1.11	<1.61	<0.645	<0.635
9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	ng/L	<1.07	<1.07	<1.52	<1.95	<1.07	<1.06
11-chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	ng/L	<0.995	<0.995	<1.21	<1.96	<0.660	<0.982

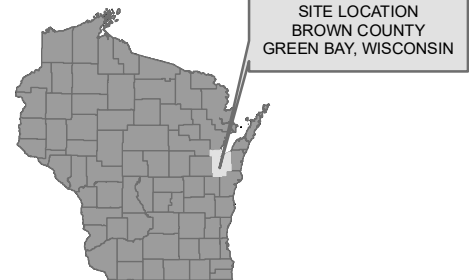
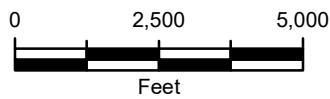
Notes:
PFAS laboratory analysis was completed using a modified EPA Method 537 or EPA Method 163.
ng/L = nanogram per liter
J = The amount detected is greater than the Method Detection Limit, but less than the Reporting Limit.
Q = The ion transition ratio is outside of the acceptance criteria.
D = Sample was diluted prior to analysis.
Bold = value exceeds the Method Detection Limit

FIGURES



Map Source: 2013 National Geographic Society

 Approximate South Broadway Facility Site Boundary



TETRA TECH

www.tetrattech.com

1136 OAK VALLEY DRIVE, SUITE 100
ANN ARBOR, MI 48108
PHONE: 734.665.6000

2024 SITE INVESTIGATION REPORT

GEORGIA PACIFIC BROADWAY FACILITY
1919 SOUTH BROADWAY
GREEN BAY, BROWN COUNTY, WISCONSIN 54304

SITE LOCATION MAP

Project: 117-031669-24033

Designed by: MES

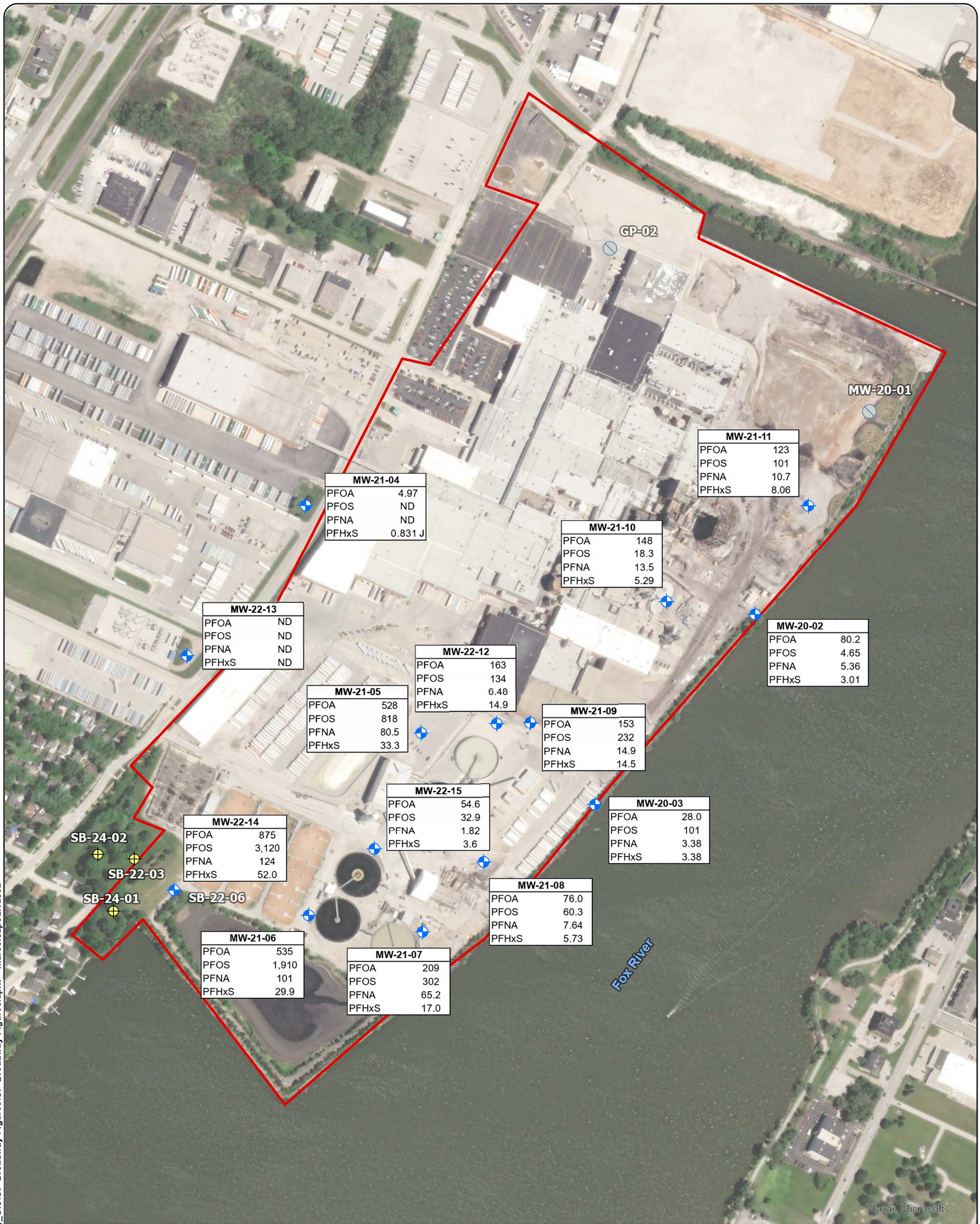
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FIGURE

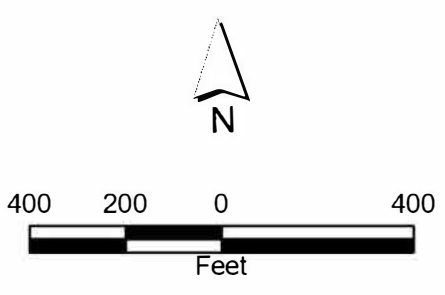
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Bar Measures 1 inch

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- Monitoring Well
- Soil Boring
- Abandoned Well
- Site Boundary



1. Posted results only include select compounds (PFOA, PFOS, PFNA, and PFHxS) for the general representation of PFAS distribution.
2. Results are in nanograms per liter (ng/L).
3. ND = Compound not detected above the Method Detection Limit.
4. J = Amount detected was below the Reporting Limit.

TETRA TECH
 1136 OAK VALLEY DRIVE, SUITE 100
 ANN ARBOR, MI 48108
 PHONE: 734.665.6000

2024 SITE INVESTIGATION REPORT
 GEORGIA-PACIFIC BROADWAY MILL
 GREEN BAY, WISCONSIN

AUGUST 2024 GROUNDWATER ANALYTICAL RESULTS

Project No: 117-031669-24033
 Date: 11/1/2024
 Designed by: MC




FIGURE
2

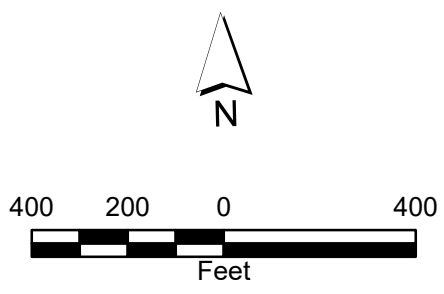
Bar Measures 1 inch

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-  Monitoring Well
-  Groundwater Elevation Contour
-  Site Boundary



- Notes:
1. Groundwater contours generated using Surfer 16 and default settings.
 2. Well gauging completed on August 13, 2026.
 3. Contour interval is 2 ft.
 4. The static groundwater elevation at MW-21-05 was not used for groundwater contouring.



1136 OAK VALLEY DRIVE, SUITE 100
ANN ARBOR, MI 48108
PHONE: 734.665.6000

2024 SITE INVESTIGATION REPORT

GEORGIA-PACIFIC BROADWAY MILL
GREEN BAY, WISCONSIN

AUGUST 2024 GROUNDWATER ELEVATIONS

Project No: 117-031669-24033

Date: 10/23/2024

Designed by: MC

FIGURE

3

Bar Measures 1 inch

Copyright: Tetra Tech

ATTACHMENTS

ATTACHMENT 1
SOIL BORING LOGS

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Georgia-Pacific Broadway Facility		License/Permit/Monitoring Number NA		Boring Number SB-22-03	
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental Services		Date Drilling Started 5/2/2022		Date Drilling Completed 5/2/2022	
Drilling Method Direct push		WT Unique Well No.		DNR Well ID No.	
Common Well Name		Final Static Water Level Feet MSL		Surface Elevation 588.2 Feet MSL	
Borehole Diameter 2.3 inches		Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>		Local Grid Location	
State Plane 557,782 N, 93,056 E S/C/N		Lat 44° 29' 19.4"		<input type="checkbox"/> N <input type="checkbox"/> E	
SE 1/4 of SW 1/4 of Section 2, T 23 N, R 20 E		Long 88° 2' 26.5"		<input type="checkbox"/> S <input type="checkbox"/> W	
Facility ID 405032870		County Brown		County Code 5	
				Civil Town/City/ or Village Green Bay	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	U S C S	Graphic Log	Well Diagram	PID/FID	Soil Properties					P 200	RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
FA-AU	60 60		0.0 - 2.5	Brown, dry TOPSOIL Red brown, dry CLAY											
GP-1 CS	60 60		5.0												
GP-2 CS	60 60		10.0												
GP-3 CS	60 60		15.0												
GP-4 CS	60 60		20.0												
GP-5 CS	60 60		25.0												

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm Tetra Tech	Tel:
		Fax:

Route To: Watershed/Wastewater Waste Management
Remediation/Redevelopment Other

Facility/Project Name Georgia-Pacific Broadway Facility			License/Permit/Monitoring Number NA		Boring Number SB-22-06	
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental Services			Date Drilling Started 5/3/2022		Date Drilling Completed 5/3/2022	
Drilling Method Direct push						
WT Unique Well No.		DNR Well ID No.	Common Well Name MW-22-14	Final Static Water Level 576.4 Feet MSL	Surface Elevation 588.4 Feet MSL	Borehole Diameter 8.3 inches
Local Grid Origin <input type="checkbox"/> (estimated: <input type="checkbox"/>) or Boring Location <input checked="" type="checkbox"/>			Local Grid Location			
State Plane 557,652 N, 93,229 E S/C/N			Lat 44° 29' 18.1"	<input type="checkbox"/> N	<input type="checkbox"/> E	
NE 1/4 of NW 1/4 of Section 11, T 23 N, R 20 E			Long 88° 2' 12.7"	<input type="checkbox"/> S	<input type="checkbox"/> W	
Facility ID 405032870		County Brown		County Code 5	Civil Town/City/ or Village Green Bay	

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments	
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200		
GP-1	CS	60 60		1.5	Red brown, dry CLAY											
GP-2	CS	60 36		6.0												
GP-3	CS	60 40		10.5	Red brown, wet CLAY											
				12.0	Gray to black, saturated, fine to coarse GRAVEL, some Silt											
GP-4	CS	60 60		15.0	Red brown, dry CLAY											





I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature	Firm Tetra Tech	Tel:
		Fax:

This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

Route To : Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Georgia-Pacific Broadway Soil Borings			License/Permit/Monitoring Number		Boring Number SB-24-01	
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental			Date Drilling Started 08/12/2024		Date Drilling Completed 08/12/2024	Drilling Method direct push
Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level Not encountered		Surface Elevation 587.6 Feet MSL	Borehole Diameter inches 2
Local Grid Origin <input type="checkbox"/> estimated: <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/>	State Plane 2479672.1 ft. E 244878.5 ft. N		Lat 44.488130		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of	1/4 of Section	T	N,R	E	Long -88.041046	
Facility ID 405032870		County Brown	County Code 5	Civil Town/City/ or Village Green Bay		

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P200	
				0	TOPSOIL										
	ES 0	60	60	1	Light brown, dry, fine SAND and SILT, some Gravel	SM									
				2	Very dark brown with brown mottling, damp, medium stiff CLAY	CL									
	ES 1	60	60	3	Reddish brown, damp to moist, stiff CLAY	CL									
				4											
				5											
				6											
				7											
				8											
				9											
				10											
				11											






I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Zack Frye</i>	Firm Tetra Tech 13555 Bishops Ct Ste 201, Brookfield, WI 53005	Tel: (262) 792-1282
----------------------------	--	---------------------

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Route To : Watershed/Wastewater Waste Management
 Remediation/Redevelopment Other

Facility/Project Name Georgia-Pacific Broadway Soil Borings			License/Permit/Monitoring Number		Boring Number SB-24-02	
Boring Drilled By: Name of crew chief (first, last) and Firm Gage Kapugi On-Site Environmental			Date Drilling Started 08/12/2024		Date Drilling Completed 08/12/2024	Drilling Method direct push
Unique Well No.	DNR Well ID No.	Common Well Name	Final Static Water Level		Surface Elevation 589.3 Feet MSL	Borehole Diameter inches 2
Local Grid Origin <input type="checkbox"/> estimated: <input type="checkbox"/> or Boring Location <input checked="" type="checkbox"/>	State Plane 2479606.4 ft. E 245117.7 ft. N		Lat 44.488791		Local Grid Location <input type="checkbox"/> N <input type="checkbox"/> E <input type="checkbox"/> S <input type="checkbox"/> W	
1/4 of	1/4 of Section	T	N,R	E		
Facility ID 405032870		County Brown	County Code 5	Civil Town/City/ or Village Green Bay		

Sample	Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth In Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
										Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P200	
				0	TOPSOIL										
	ES 0	60 60		1-2	Reddish brown, damp, stiff to medium stiff CLAY	CL									
	ES 1	60 60		5-7	Reddish brown, damp, very stiff, CLAY, trace Gravel	CL									
				10-11	Reddish brown, moist, soft, SILT and CLAY, trace Sand	CL-ML									
					Reddish gray, moist, very stiff CLAY, some Gravel										

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature <i>Zach Frye</i>	Firm Tetra Tech 13555 Bishops Ct Ste 201, Brookfield, WI 53005	Tel: (262) 792-1282
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This form is authorized by Chapters 281, 283, 289, 291, 292, 293, 295, and 299, Wis. Stats. Completion of this form is mandatory. Failure to file this form may result in forfeiture of between \$10 and \$25,000, or imprisonment for up to one year, depending on the program and conduct involved. Personally identifiable information on this form is not intended to be used for any other purpose. NOTE: See instructions for more information, including where the completed form should be sent.

ATTACHMENT 2
GROUNDWATER ANALYTICAL REPORT



September 10, 2024

**Enthalpy Analytical - El Dorado Hills
Work Order No. 2408109**

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 Enthalpy Analytical - EDH on August 15, 2024 under your Project Name 'GP Broadway Mill Groundwater'.

Enthalpy Analytical - EDH is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mark.rein@enthalpy.com.

Thank you for choosing Enthalpy Analytical - EDH as part of your analytical support team.

Sincerely,

Mark Rein
Project Manager

Enthalpy Analytical - EDH 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 Enthalpy Analytical - EDH.

Enthalpy Analytical - EDH Work Order No. 2408109

Case Narrative

Sample Condition on Receipt:

Eighteen aqueous samples were received and stored securely in accordance with Enthalpy Analytical - EDH standard operating procedures and EPA methodology. The samples were received in good condition and within the method temperature requirements. Sample "FB-1" was placed on hold per the COC.

Analytical Notes:

EPA Method 1633 (Aqueous)

The samples were extracted and analyzed for a selected list of PFAS using EPA Method 1633. The results for PFHxS, PFOA, PFOSA, PFOS, PFNA, MeFOSAA, EtFOSAA, MeFOSA, MeFOSE, EtFOSA, EtFOSE include both linear and branched isomers. Results for all other analytes include the linear isomers only.

Samples "MW-21-09", "MW-21-07", "MW-22-12", "MW-22-15", and "DUP-02" contained particulate and were centrifuged prior to extraction.

Holding Times

The samples were extracted and analyzed within the hold times.

Quality Control

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

A Method Blank, Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) and Low-Level Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 the RL concentration. The OPR recoveries were within the method acceptance criteria.

The ion transition ratios outside the acceptance criteria are flagged with an "I" qualifier.

The labeled standard recoveries outside the acceptance criteria are flagged with a "Q" qualifier. The responses of the internal standards with low recoveries were greater than 10:1 signal-to-noise, which is the limit generally considered acceptable for accurate quantitation by isotope dilution analysis.

TABLE OF CONTENTS

Case Narrative.....	1
Table of Contents.....	3
Sample Inventory.....	4
Analytical Results.....	6
Qualifiers.....	47
Certifications.....	48
Sample Receipt.....	49

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2408109-01	MW-22-13	12-Aug-24 16:00	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-02	MW-21-11	13-Aug-24 09:50	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-03	MW-20-02	13-Aug-24 10:50	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-04	MW-21-10	13-Aug-24 12:05	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-05	MW-20-03	13-Aug-24 12:50	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-06	MW-21-09	13-Aug-24 13:30	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-07	MW-21-06	13-Aug-24 14:40	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-08	MW-21-07	13-Aug-24 15:30	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-09	MW-21-04	13-Aug-24 16:25	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-10	MW-22-12	14-Aug-24 07:40	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-11	MW-21-08	14-Aug-24 08:40	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-12	MW-22-15	14-Aug-24 10:05	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-13	MW-21-05	14-Aug-24 10:55	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-14	MW-22-14	14-Aug-24 11:55	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-15	DUP-01	13-Aug-24 00:00	15-Aug-24 09:22	HDPE Bottle, 500 mL

Sample Inventory Report

Sample ID	Client Sample ID	Sampled	Received	Components/Containers
2408109-15	DUP-01	13-Aug-24 00:00	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-16	DUP-02	13-Aug-24 00:00	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL HDPE Bottle, 125 mL
2408109-17	EB-1	13-Aug-24 12:20	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL
2408109-18	FB-1	13-Aug-24 12:25	15-Aug-24 09:22	HDPE Bottle, 500 mL HDPE Bottle, 500 mL

ANALYTICAL RESULTS

Sample ID: Method Blank
EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	B24H242-BLK1	Column:	BEH C18
Project:	GP Broadway Mill Groundwater						

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	<1.60	1.60	6.40		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFPeA	<0.419	0.419	3.20		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFBS	<0.675	0.675	1.42		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
4:2 FTS	<1.27	1.27	6.00		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFHxA	<0.273	0.273	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFPeS	<0.484	0.484	1.50		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
HFPO-DA	<1.70	1.70	6.68		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFHpA	<0.271	0.271	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
ADONA	<1.59	1.59	6.32		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFHxS	<0.504	0.504	1.46		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
6:2 FTS	<1.22	1.22	6.07		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFOA	<1.78	1.78	2.00		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFHpS	<0.377	0.377	1.52		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFNA	<0.242	0.242	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFOSA	<0.398	0.398	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFOS	<1.17	1.17	1.49		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
9Cl-PF3ONS	<1.92	1.92	6.24		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFDA	<0.425	0.425	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
8:2 FTS	<1.87	1.87	6.14		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFNS	<0.604	0.604	1.54		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
MeFOSAA	<0.691	0.691	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
EtFOSAA	<0.689	0.689	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFUnA	<0.413	0.413	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFDS	<0.564	0.564	1.54		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
11Cl-PF3OUdS	<1.93	1.93	6.00		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFDaA	<0.223	0.223	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
MeFOSA	<1.01	1.01	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFTTrDA	<0.256	0.256	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFDoS	<0.497	0.497	1.55		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
PFTeDA	<0.239	0.239	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
EtFOSA	<0.972	0.972	1.60		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
MeFOSE	<2.60	2.60	16.0		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
EtFOSE	<2.55	2.55	16.0		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	86.8	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C5-PFPeA	IS	81.4	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C2-4:2 FTS	IS	84.9	40 - 200		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C3-PFBS	IS	90.0	40 - 135		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1

Sample ID: Method Blank **EPA Method 1633**

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	B24H242-BLK1	Column:	BEH C18
Project:	GP Broadway Mill Groundwater						

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C5-PFHxA	IS	80.2	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C4-PFHpA	IS	83.4	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C3-HFPO-DA	IS	80.2	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C2-6:2 FTS	IS	84.2	40 - 200		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C8-PFOA	IS	93.9	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C3-PFHxS	IS	88.3	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C9-PFNA	IS	85.7	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C2-8:2 FTS	IS	77.6	40 - 300		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C6-PFDA	IS	88.7	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
d3-MeFOSAA	IS	75.8	40 - 170		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C8-PFOS	IS	83.4	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
d5-EtFOSAA	IS	68.7	25 - 135		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C7-PFUnA	IS	84.8	30 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C8-PFOSA	IS	46.8	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C2-PFDoA	IS	69.0	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
13C2-PFTeDA	IS	66.7	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
d7-MeFOSE	IS	30.6	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
d3-MeFOSA	IS	24.6	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
d9-EtFOSE	IS	28.2	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1
d5-EtFOSA	IS	24.3	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 21:38	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: LCSD
EPA Method 1633

Name:	Tetra Tech	Lab Sample:	B24H242-BS1/B24H242-BSD1	Date Extracted:	28-Aug-24
Project:	GP Broadway Mill Groundwater	QC Batch:	B24H242	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.500/0.500 L		

Analyte	LCS (ng/L)	LCS Spike	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBA	20.0	20.0	99.8		20.0	20.0	100	0.215		70-140	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFPeA	10.2	10.0	102		9.98	10.0	99.8	2.26		65-135	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFBS	4.32	4.44	97.3		4.57	4.44	103	5.60		60-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
4:2 FTS	22.3	18.8	119		21.4	18.8	114	4.29		70-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFHxA	5.09	5.00	102		4.97	5.00	99.4	2.42		70-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFPeS	4.49	4.72	95.1		4.38	4.72	92.8	2.46		65-140	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
HFPO-DA	21.2	21.2	100		21.3	21.2	101	0.677		70-140	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFHpA	5.14	5.00	103		5.34	5.00	107	3.78		70-150	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
ADONA	19.3	20.0	96.6		19.9	20.0	99.7	3.21		65-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFHxS	4.58	4.56	100		4.38	4.56	96.1	4.46		65-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
6:2 FTS	19.1	19.0	100		18.9	19.0	99.3	1.01		65-155	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFOA	5.83	5.00	117		5.53	5.00	111	5.26		70-150	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFHpS	4.52	4.76	95.0		4.96	4.76	104	9.18		70-150	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFNA	6.19	5.00	124		5.91	5.00	118	4.63		70-150	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFOSA	5.29	5.00	106		5.41	5.00	108	2.24		70-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFOS	4.25	4.64	91.7		4.68	4.64	101	9.45		55-150	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
9Cl-PF3ONS	17.8	19.8	89.7		18.6	19.8	93.9	4.58		70-155	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFDA	5.24	5.00	105		6.09	5.00	122	15.0		70-140	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
8:2 FTS	19.7	19.2	102		20.7	19.2	108	4.93		60-150	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFNS	4.42	4.80	92.2		4.71	4.80	98.1	6.20		65-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
MeFOSAA	5.29	5.00	106		5.45	5.00	109	2.96		50-140	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
EtFOSAA	5.35	5.00	107		4.94	5.00	98.7	8.05		70-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFUnA	5.11	5.00	102		4.88	5.00	97.5	4.67		70-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFDS	3.86	4.84	79.7		4.14	4.84	85.5	7.05		60-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
11Cl-PF3OUdS	15.7	20.0	78.7		15.5	20.0	77.3	1.89		55-160	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFDoA	5.24	5.00	105		5.47	5.00	109	4.20		70-140	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
MeFOSA	5.10	5.00	102		5.29	5.00	106	3.72		60-150	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFTTrDA	5.34	5.00	107		5.56	5.00	111	3.94		65-140	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFDoS	3.84	4.84	79.2		4.11	4.84	84.9	6.92		50-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
PFTeDA	5.53	5.00	111		4.86	5.00	97.1	13.0		60-140	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
EtFOSA	4.80	5.00	96.0		4.88	5.00	97.6	1.65		65-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
MeFOSE	50.5	50.0	101		51.8	50.0	104	2.57		70-145	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1
EtFOSE	49.6	50.0	99.1		51.7	50.0	103	4.28		70-135	30	30-Aug-24 21:52	1	30-Aug-24 22:19	1

Sample ID: LCSD
EPA Method 1633

Name:	Tetra Tech	Lab Sample:	B24H242-BS1/B24H242-BSD1	Date Extracted:	28-Aug-24
Project:	GP Broadway Mill Groundwater	QC Batch:	B24H242	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.500/0.500 L		

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C4-PFBA	IS	86.9		84.5		10 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C5-PFPeA	IS	78.0		79.5		40 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C2-4:2 FTS	IS	79.6		89.6		40 - 200	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C3-PFBS	IS	87.7		86.5		40 - 135	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C5-PFHxA	IS	79.6		82.4		40 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C4-PFHpA	IS	78.4		78.3		40 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C3-HFPO-DA	IS	79.0		79.2		40 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C2-6:2 FTS	IS	82.6		85.6		40 - 200	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C8-PFOA	IS	82.2		81.2		40 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C3-PFHxS	IS	84.3		90.1		40 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C9-PFNA	IS	83.4		82.3		40 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C2-8:2 FTS	IS	73.2		77.0		40 - 300	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C6-PFDA	IS	77.7		78.3		40 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
d3-MeFOSAA	IS	64.7		64.1		40 - 170	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C8-PFOS	IS	79.6		75.3		40 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
d5-EtFOSAA	IS	58.2		61.1		25 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C7-PFUnA	IS	77.9		80.6		30 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C8-PFOA	IS	42.4		41.0		40 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C2-PFDoA	IS	63.1		62.2		10 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
13C2-PFTeDA	IS	60.7		63.7		10 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
d7-MeFOSE	IS	27.2		26.4		10 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
d3-MeFOSA	IS	25.4		20.2		10 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
d9-EtFOSE	IS	24.9		23.1		10 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1
d5-EtFOSA	IS	22.1		19.1		10 - 130	30-Aug-24 21:52	1	30-Aug-24 22:19	1

Sample ID: OPR
EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	B24H242-BS2	Column:	BEH C18
Project:	GP Broadway Mill Groundwater						

Analyte	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	12.6	12.8	98.3	70 - 140		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFPeA	6.25	6.40	97.6	65 - 135		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFBS	2.80	2.84	98.6	60 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
4:2 FTS	12.0	12.0	100	70 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFHxA	3.33	3.20	104	70 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFPeS	2.79	3.01	92.6	65 - 140		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
HFPO-DA	12.1	12.8	94.2	70 - 140		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFHpA	3.15	3.20	98.3	70 - 150		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
ADONA	11.6	12.1	95.7	65 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFHxS	2.77	2.92	94.6	65 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
6:2 FTS	11.6	12.2	95.5	65 - 155		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFOA	3.64	3.20	114	70 - 150		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFHpS	3.05	3.05	100	70 - 150		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFNA	3.78	3.20	118	70 - 150		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFOSA	3.45	3.20	108	70 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFOS	2.94	2.97	98.9	55 - 150		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
9Cl-PF3ONS	11.3	12.0	94.7	70 - 155		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFDA	3.15	3.20	98.6	70 - 140		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
8:2 FTS	12.5	12.3	101	60 - 150		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFNS	3.03	3.08	98.3	65 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
MeFOSAA	3.66	3.20	115	50 - 140		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
EtFOSAA	3.12	3.20	97.3	70 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFUnA	3.16	3.20	98.7	70 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFDS	2.64	3.09	85.4	60 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
11Cl-PF3OUdS	9.48	12.1	78.4	55 - 160		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFDoA	3.22	3.20	101	70 - 140		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
MeFOSA	3.45	3.20	108	60 - 150		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFTTrDA	3.38	3.20	106	65 - 140		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFDoS	2.33	3.10	75.1	50 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
PFTeDA	3.58	3.20	112	60 - 140		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
EtFOSA	3.02	3.20	94.3	65 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
MeFOSE	32.9	32.0	103	70 - 145		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
EtFOSE	30.1	32.0	94.2	70 - 135		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
Labeled Standards	Type		% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution

Sample ID: OPR
EPA Method 1633
Client Data

 Name: Tetra Tech
 Project: GP Broadway Mill Groundwater

Matrix: Aqueous

Laboratory Data

Lab Sample: B24H242-BS2 Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	84.4	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C5-PFPeA	IS	78.3	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C2-4:2 FTS	IS	83.4	40 - 200		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C3-PFBS	IS	85.2	40 - 135		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C5-PFHxA	IS	79.9	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C4-PFHpA	IS	79.2	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C3-HFPO-DA	IS	80.1	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C2-6:2 FTS	IS	83.5	40 - 200		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C8-PFOA	IS	80.8	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C3-PFHxS	IS	87.2	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C9-PFNA	IS	81.5	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C2-8:2 FTS	IS	76.8	40 - 300		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C6-PFDA	IS	76.7	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
d3-MeFOSAA	IS	64.7	40 - 170		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C8-PFOS	IS	79.5	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
d5-EtFOSAA	IS	65.9	25 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C7-PFUnA	IS	79.5	30 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C8-PFOSA	IS	46.9	40 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C2-PFDoA	IS	66.3	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
13C2-PFTeDA	IS	60.4	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
d7-MeFOSE	IS	28.8	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
d3-MeFOSA	IS	25.4	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
d9-EtFOSE	IS	28.1	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1
d5-EtFOSA	IS	23.4	10 - 130		B24H242	28-Aug-24	0.500 L	30-Aug-24 22:05	1

Sample ID: MW-22-13

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-01	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	12-Aug-24 16:00	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	<1.62	1.62	6.49		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFPeA	<0.425	0.425	3.24		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFBS	<0.684	0.684	1.44		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
4:2 FTS	<1.29	1.29	6.08		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFHxA	<0.277	0.277	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFPeS	<0.491	0.491	1.52		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
HFPO-DA	<1.72	1.72	6.77		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFHpA	<0.275	0.275	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
ADONA	<1.61	1.61	6.40		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFHxS	<0.511	0.511	1.48		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
6:2 FTS	<1.24	1.24	6.15		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFOA	<1.80	1.80	2.03		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFHpS	<0.382	0.382	1.54		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFNA	<0.245	0.245	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFOSA	0.488	0.403	1.62	J, I	B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFOS	<1.19	1.19	1.51		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
9Cl-PF3ONS	<1.95	1.95	6.32		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFDA	<0.431	0.431	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
8:2 FTS	<1.90	1.90	6.22		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFNS	<0.612	0.612	1.56		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
MeFOSAA	<0.700	0.700	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
EtFOSAA	<0.698	0.698	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFUnA	<0.419	0.419	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFDS	<0.572	0.572	1.56		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
11Cl-PF3OUdS	<1.96	1.96	6.08		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFDoA	<0.226	0.226	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
MeFOSA	<1.02	1.02	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFTTrDA	<0.259	0.259	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFDoS	<0.504	0.504	1.57		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
PFTeDA	<0.242	0.242	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
EtFOSA	<0.985	0.985	1.62		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
MeFOSE	<2.63	2.63	16.2		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
EtFOSE	<2.58	2.58	16.2		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	39.7	10 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C5-PFPeA	IS	87.8	40 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C2-4:2 FTS	IS	87.5	40 - 200		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1

Sample ID: MW-22-13

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-01	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	12-Aug-24 16:00	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	86.9	40 - 135		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C5-PFHxA	IS	87.1	40 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C4-PFHpA	IS	89.4	40 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C3-HFPO-DA	IS	88.9	40 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C2-6:2 FTS	IS	86.5	40 - 200		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C8-PFOA	IS	79.2	40 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C3-PFHxS	IS	87.0	40 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C9-PFNA	IS	83.8	40 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C2-8:2 FTS	IS	75.2	40 - 300		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C6-PFDA	IS	74.2	40 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
d3-MeFOSAA	IS	80.6	40 - 170		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C8-PFOS	IS	83.7	40 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
d5-EtFOSAA	IS	76.5	25 - 135		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C7-PFUnA	IS	76.5	30 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C8-PFOA	IS	58.1	40 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C2-PFDoA	IS	67.2	10 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
13C2-PFTeDA	IS	67.4	10 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
d7-MeFOSE	IS	56.5	10 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
d3-MeFOA	IS	26.3	10 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
d9-EtFOSE	IS	56.6	10 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1
d5-EtFOA	IS	25.7	10 - 130		B24H242	28-Aug-24	0.493 L	30-Aug-24 22:32	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-21-11

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-02	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 09:50	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	28.0	1.65	6.61		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFPeA	20.8	0.432	3.30		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFBS	4.03	0.697	1.47		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
4:2 FTS	<1.31	1.31	6.19		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFHxA	42.8	0.282	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFPeS	1.28	0.500	1.55	J	B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
HFPO-DA	<1.75	1.75	6.89		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFHpA	26.9	0.280	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
ADONA	<1.64	1.64	6.52		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFHxS	8.06	0.520	1.51		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
6:2 FTS	2.51	1.26	6.27	J	B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFOA	123	1.84	2.06		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFHpS	1.01	0.389	1.57	J	B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFNA	10.7	0.250	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFOSA	10.3	0.411	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFOS	101	1.21	1.54		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
9Cl-PF3ONS	<1.98	1.98	6.44		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFDA	16.4	0.439	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
8:2 FTS	3.72	1.93	6.34	J	B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFNS	<0.623	0.623	1.59		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
MeFOSAA	1.88	0.713	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
EtFOSAA	12.4	0.711	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFUnA	2.99	0.426	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFDS	<0.582	0.582	1.59		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
11Cl-PF3OUdS	<1.99	1.99	6.19		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFDoA	2.34	0.230	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
MeFOSA	1.11	1.04	1.65	J	B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFTTrDA	<0.264	0.264	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFDoS	<0.513	0.513	1.60		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
PFTeDA	<0.247	0.247	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
EtFOSA	4.01	1.00	1.65		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
MeFOSE	<2.68	2.68	16.5		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
EtFOSE	<2.63	2.63	16.5		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	84.0	10 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C5-PFPeA	IS	92.3	40 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C2-4:2 FTS	IS	101	40 - 200		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1

Sample ID: MW-21-11

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-02	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 09:50	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	81.3	40 - 135		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C5-PFHxA	IS	91.7	40 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C4-PFHpA	IS	86.3	40 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C3-HFPO-DA	IS	88.7	40 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C2-6:2 FTS	IS	90.3	40 - 200		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C8-PFOA	IS	90.5	40 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C3-PFHxS	IS	85.1	40 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C9-PFNA	IS	86.2	40 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C2-8:2 FTS	IS	103	40 - 300		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C6-PFDA	IS	95.7	40 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
d3-MeFOSAA	IS	68.8	40 - 170		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C8-PFOS	IS	89.6	40 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
d5-EtFOSAA	IS	72.9	25 - 135		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C7-PFUnA	IS	98.1	30 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C8-PFOSA	IS	56.4	40 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C2-PFDoA	IS	80.9	10 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
13C2-PFTeDA	IS	76.1	10 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
d7-MeFOSE	IS	55.5	10 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
d3-MeFOSA	IS	38.2	10 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
d9-EtFOSE	IS	56.1	10 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1
d5-EtFOSA	IS	34.9	10 - 130		B24H242	28-Aug-24	0.484 L	30-Aug-24 22:46	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-20-02

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-03	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 10:50	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	<1.53	1.53	6.13		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFPeA	63.3	0.401	3.06	I	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFBS	<0.646	0.646	1.36		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
4:2 FTS	<1.22	1.22	5.74		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFHxA	228	0.261	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFPeS	<0.463	0.463	1.44		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
HFPO-DA	<1.63	1.63	6.40		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFHpA	38.9	0.259	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
ADONA	<1.52	1.52	6.05		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFHxS	3.01	0.482	1.40		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
6:2 FTS	<1.17	1.17	5.81		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFOA	80.2	1.70	1.91		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFHpS	<0.361	0.361	1.46		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFNA	5.36	0.232	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFOSA	2.29	0.381	1.53	I	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFOS	4.65	1.12	1.43		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
9Cl-PF3ONS	<1.84	1.84	5.97		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFDA	0.670	0.407	1.53	J	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
8:2 FTS	<1.79	1.79	5.88		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFNS	<0.578	0.578	1.47		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
MeFOSAA	<0.662	0.662	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
EtFOSAA	22.1	0.660	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFUnA	<0.395	0.395	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFDS	<0.540	0.540	1.47		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
11Cl-PF3OUdS	<1.85	1.85	5.74		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFDoA	<0.213	0.213	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
MeFOSA	<0.967	0.967	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFTTrDA	<0.245	0.245	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFDoS	<0.476	0.476	1.48		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
PFTeDA	<0.229	0.229	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
EtFOSA	<0.931	0.931	1.53		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
MeFOSE	<2.49	2.49	15.3		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
EtFOSE	<2.44	2.44	15.3		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	0.859	10 - 130	Q	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C5-PFPeA	IS	1.99	40 - 130	Q	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C2-4:2 FTS	IS	7.17	40 - 200	Q	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1

Sample ID: MW-20-02

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-03	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 10:50	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	6.17	40 - 135	Q	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C5-PFHxA	IS	6.56	40 - 130	Q	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C4-PFHpA	IS	11.9	40 - 130	Q	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C3-HFPO-DA	IS	5.99	40 - 130	Q	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C2-6:2 FTS	IS	30.8	40 - 200	Q	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C8-PFOA	IS	24.1	40 - 130	Q	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C3-PFHxS	IS	25.0	40 - 130	Q	B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C9-PFNA	IS	45.6	40 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C2-8:2 FTS	IS	121	40 - 300		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C6-PFDA	IS	72.2	40 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
d3-MeFOSAA	IS	67.0	40 - 170		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C8-PFOS	IS	67.3	40 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
d5-EtFOSAA	IS	81.1	25 - 135		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C7-PFUnA	IS	75.4	30 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C8-PFOA	IS	55.4	40 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C2-PFDoA	IS	67.3	10 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
13C2-PFTeDA	IS	52.8	10 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
d7-MeFOSE	IS	24.1	10 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
d3-MeFOA	IS	43.9	10 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
d9-EtFOSE	IS	25.2	10 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1
d5-EtFOA	IS	43.2	10 - 130		B24H242	28-Aug-24	0.522 L	30-Aug-24 22:59	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-21-10

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-04	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 12:05	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	27.5	1.60	6.41		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFPeA	47.9	0.419	3.20		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFBS	4.62	0.676	1.42		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
4:2 FTS	<1.27	1.27	6.01		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFHxA	65.3	0.273	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFPeS	1.57	0.485	1.50		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
HFPO-DA	<1.70	1.70	6.69		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFHpA	49.6	0.271	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
ADONA	<1.59	1.59	6.33		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFHxS	5.29	0.505	1.46		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
6:2 FTS	<1.22	1.22	6.08		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFOA	148	1.78	2.00		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFHpS	0.601	0.377	1.52	J	B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFNA	13.5	0.242	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFOSA	1.12	0.398	1.60	J	B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFOS	18.3	1.17	1.49		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
9Cl-PF3ONS	<1.92	1.92	6.25		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFDA	13.5	0.425	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
8:2 FTS	<1.87	1.87	6.15		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFNS	<0.605	0.605	1.54		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
MeFOSAA	<0.692	0.692	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
EtFOSAA	<0.690	0.690	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFUnA	1.09	0.413	1.60	J	B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFDS	<0.565	0.565	1.54		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
11Cl-PF3OUdS	<1.93	1.93	6.01		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFDoA	<0.223	0.223	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
MeFOSA	<1.01	1.01	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFTTrDA	<0.256	0.256	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFDoS	<0.498	0.498	1.55		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
PFTeDA	<0.239	0.239	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
EtFOSA	<0.973	0.973	1.60		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
MeFOSE	<2.60	2.60	16.0		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
EtFOSE	<2.55	2.55	16.0		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	15.1	10 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C5-PFPeA	IS	81.7	40 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C2-4:2 FTS	IS	89.9	40 - 200		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1

Sample ID: MW-21-10

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-04	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 12:05	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	80.1	40 - 135		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C5-PFHxA	IS	87.7	40 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C4-PFHpA	IS	85.4	40 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C3-HFPO-DA	IS	84.1	40 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C2-6:2 FTS	IS	82.8	40 - 200		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C8-PFOA	IS	86.6	40 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C3-PFHxS	IS	84.6	40 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C9-PFNA	IS	81.3	40 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C2-8:2 FTS	IS	83.9	40 - 300		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C6-PFDA	IS	85.9	40 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
d3-MeFOSAA	IS	74.0	40 - 170		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C8-PFOS	IS	82.4	40 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
d5-EtFOSAA	IS	71.9	25 - 135		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C7-PFUnA	IS	84.1	30 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C8-PFOSA	IS	61.3	40 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C2-PFDoA	IS	75.3	10 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
13C2-PFTeDA	IS	70.9	10 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
d7-MeFOSE	IS	50.2	10 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
d3-MeFOSA	IS	29.9	10 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
d9-EtFOSE	IS	51.7	10 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1
d5-EtFOSA	IS	29.7	10 - 130		B24H242	28-Aug-24	0.499 L	30-Aug-24 23:13	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-20-03

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-05	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 12:50	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	7.32	1.63	6.54		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFPeA	8.54	0.428	3.27		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFBS	2.42	0.689	1.45		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
4:2 FTS	<1.30	1.30	6.13		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFHxA	9.34	0.279	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFPeS	0.545	0.494	1.53	J	B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
HFPO-DA	<1.74	1.74	6.82		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFHpA	5.17	0.277	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
ADONA	<1.62	1.62	6.46		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFHxS	3.38	0.515	1.49		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
6:2 FTS	<1.25	1.25	6.20		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFOA	28.0	1.82	2.04		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFHpS	0.714	0.385	1.55	J	B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFNA	3.38	0.247	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFOSA	4.95	0.407	1.63	I	B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFOS	101	1.20	1.52		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
9Cl-PF3ONS	<1.96	1.96	6.37		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFDA	1.69	0.434	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
8:2 FTS	<1.91	1.91	6.27		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFNS	<0.617	0.617	1.57		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
MeFOSAA	<0.706	0.706	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
EtFOSAA	4.88	0.704	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFUnA	<0.422	0.422	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFDS	<0.576	0.576	1.57		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
11Cl-PF3OUdS	<1.97	1.97	6.13		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFDoA	<0.228	0.228	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
MeFOSA	<1.03	1.03	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFTTrDA	<0.261	0.261	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFDoS	<0.508	0.508	1.58		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
PFTeDA	<0.244	0.244	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
EtFOSA	<0.993	0.993	1.63		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
MeFOSE	<2.66	2.66	16.3		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
EtFOSE	<2.60	2.60	16.3		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	26.8	10 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C5-PFPeA	IS	87.3	40 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C2-4:2 FTS	IS	104	40 - 200		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1

Sample ID: MW-20-03

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-05	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 12:50	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	82.7	40 - 135		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C5-PFHxA	IS	86.5	40 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C4-PFHpA	IS	85.5	40 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C3-HFPO-DA	IS	80.8	40 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C2-6:2 FTS	IS	90.5	40 - 200		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C8-PFOA	IS	89.0	40 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C3-PFHxS	IS	86.9	40 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C9-PFNA	IS	85.1	40 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C2-8:2 FTS	IS	87.7	40 - 300		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C6-PFDA	IS	88.5	40 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
d3-MeFOSAA	IS	78.7	40 - 170		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C8-PFOS	IS	82.9	40 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
d5-EtFOSAA	IS	71.7	25 - 135		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C7-PFUnA	IS	87.1	30 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C8-PFOA	IS	64.6	40 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C2-PFDoA	IS	78.5	10 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
13C2-PFTeDA	IS	72.7	10 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
d7-MeFOSE	IS	47.7	10 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
d3-MeFOA	IS	38.3	10 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
d9-EtFOSE	IS	47.7	10 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1
d5-EtFOA	IS	33.0	10 - 130		B24H242	28-Aug-24	0.489 L	30-Aug-24 23:26	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-21-09

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-06	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 13:30	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	17.1	1.59	6.34		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFPeA	20.7	0.415	3.17		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFBS	3.53	0.669	1.41		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
4:2 FTS	<1.26	1.26	5.95		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFHxA	30.1	0.271	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFPeS	3.44	0.480	1.49		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
HFPO-DA	<1.68	1.68	6.62		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFHpA	28.1	0.269	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
ADONA	<1.58	1.58	6.26		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFHxS	14.5	0.499	1.45		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
6:2 FTS	<1.21	1.21	6.01		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFOA	153	1.76	1.98		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFHpS	4.27	0.374	1.51		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFNA	14.9	0.240	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFOSA	3.69	0.394	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFOS	232	1.16	1.48		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
9Cl-PF3ONS	<1.90	1.90	6.18		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFDA	1.57	0.421	1.59	J	B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
8:2 FTS	<1.85	1.85	6.08		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFNS	<0.599	0.599	1.53		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
MeFOSAA	1.86	0.685	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
EtFOSAA	5.66	0.683	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFUnA	<0.409	0.409	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFDS	<0.559	0.559	1.53		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
11Cl-PF3OUdS	<1.91	1.91	5.95		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFDoA	<0.221	0.221	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
MeFOSA	<1.00	1.00	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFTTrDA	<0.254	0.254	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFDoS	<0.492	0.492	1.54		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
PFTeDA	<0.237	0.237	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
EtFOSA	<0.963	0.963	1.59		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
MeFOSE	<2.58	2.58	15.9		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
EtFOSE	<2.53	2.53	15.9		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	27.4	10 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C5-PFPeA	IS	81.4	40 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C2-4:2 FTS	IS	121	40 - 200		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1

Sample ID: MW-21-09

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-06	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 13:30	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	88.1	40 - 135		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C5-PFHxA	IS	88.2	40 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C4-PFHpA	IS	80.7	40 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C3-HFPO-DA	IS	83.6	40 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C2-6:2 FTS	IS	101	40 - 200		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C8-PFOA	IS	75.8	40 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C3-PFHxS	IS	83.0	40 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C9-PFNA	IS	80.0	40 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C2-8:2 FTS	IS	107	40 - 300		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C6-PFDA	IS	83.6	40 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
d3-MeFOSAA	IS	66.4	40 - 170		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C8-PFOS	IS	77.3	40 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
d5-EtFOSAA	IS	69.6	25 - 135		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C7-PFUnA	IS	79.5	30 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C8-PFOSA	IS	49.3	40 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C2-PFDoA	IS	69.8	10 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
13C2-PFTeDA	IS	61.0	10 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
d7-MeFOSE	IS	46.3	10 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
d3-MeFOSA	IS	36.9	10 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
d9-EtFOSE	IS	45.4	10 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1
d5-EtFOSA	IS	34.8	10 - 130		B24H242	28-Aug-24	0.505 L	30-Aug-24 23:40	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-21-06

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-07	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 14:40	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	32.0	1.62	6.47		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFPeA	55.5	0.423	3.23		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFBS	9.66	0.682	1.44		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
4:2 FTS	<1.28	1.28	6.06		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFHxA	55.9	0.276	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFPeS	6.08	0.489	1.52		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
HFPO-DA	<1.72	1.72	6.75		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFHpA	66.9	0.274	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
ADONA	<1.61	1.61	6.39		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFHxS	29.9	0.509	1.48		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
6:2 FTS	1.38	1.23	6.13	J	B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFOA	535	1.80	2.02		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFHpS	22.9	0.381	1.54		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFNA	101	0.245	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFOSA	181	0.402	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFOS	1910	1.18	1.51		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
9Cl-PF3ONS	<1.94	1.94	6.31		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFDA	30.3	0.430	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
8:2 FTS	3.32	1.89	6.21	J	B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFNS	<0.610	0.610	1.56		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
MeFOSAA	19.6	0.698	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
EtFOSAA	96.9	0.696	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFUnA	0.773	0.417	1.62	J	B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFDS	<0.570	0.570	1.56		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
11Cl-PF3OUdS	<1.95	1.95	6.06		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFDoA	<0.225	0.225	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
MeFOSA	<1.02	1.02	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFTTrDA	<0.259	0.259	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFDoS	<0.502	0.502	1.57		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
PFTeDA	<0.242	0.242	1.62		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
EtFOSA	1.21	0.982	1.62	J	B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
MeFOSE	<2.63	2.63	16.2		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
EtFOSE	<2.58	2.58	16.2		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	35.7	10 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C5-PFPeA	IS	87.8	40 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C2-4:2 FTS	IS	104	40 - 200		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1

Sample ID: MW-21-06

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-07	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 14:40	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	82.1	40 - 135		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C5-PFHxA	IS	82.1	40 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C4-PFHpA	IS	84.8	40 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C3-HFPO-DA	IS	79.2	40 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C2-6:2 FTS	IS	97.1	40 - 200		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C8-PFOA	IS	83.2	40 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C3-PFHxS	IS	78.7	40 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C9-PFNA	IS	80.0	40 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C2-8:2 FTS	IS	83.1	40 - 300		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C6-PFDA	IS	84.9	40 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
d3-MeFOSAA	IS	84.7	40 - 170		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C8-PFOS	IS	82.1	40 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
d5-EtFOSAA	IS	76.1	25 - 135		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C7-PFUnA	IS	84.7	30 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C8-PFOSA	IS	73.0	40 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C2-PFDoA	IS	73.3	10 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
13C2-PFTeDA	IS	69.6	10 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
d7-MeFOSE	IS	68.7	10 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
d3-MeFOSA	IS	43.1	10 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
d9-EtFOSE	IS	69.0	10 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1
d5-EtFOSA	IS	41.7	10 - 130		B24H242	28-Aug-24	0.495 L	30-Aug-24 23:53	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-21-07

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-08	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 15:30	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	25.7	1.60	6.39		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFPeA	37.5	0.418	3.19		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFBS	3.61	0.674	1.42		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
4:2 FTS	<1.27	1.27	5.99		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFHxA	46.9	0.273	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFPeS	2.35	0.483	1.50		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
HFPO-DA	<1.70	1.70	6.67		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFHpA	43.6	0.271	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
ADONA	<1.59	1.59	6.31		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFHxS	17.0	0.503	1.46		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
6:2 FTS	1.80	1.22	6.06	J	B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFOA	209	1.78	2.00		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFHpS	6.96	0.376	1.52		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFNA	65.2	0.242	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFOSA	10.0	0.397	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFOS	302	1.17	1.49		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
9Cl-PF3ONS	<1.92	1.92	6.23		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFDA	8.58	0.424	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
8:2 FTS	2.17	1.87	6.13	J	B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFNS	<0.603	0.603	1.54		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
MeFOSAA	2.31	0.690	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
EtFOSAA	18.2	0.688	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFUnA	0.420	0.412	1.60	J	B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFDS	<0.563	0.563	1.54		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
11Cl-PF3OUdS	<1.93	1.93	5.99		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFDoA	<0.223	0.223	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
MeFOSA	<1.01	1.01	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFTTrDA	<0.256	0.256	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFDoS	<0.496	0.496	1.55		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
PFTeDA	<0.239	0.239	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
EtFOSA	<0.970	0.970	1.60		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
MeFOSE	<2.60	2.60	16.0		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
EtFOSE	<2.55	2.55	16.0		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	63.1	10 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C5-PFPeA	IS	84.1	40 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C2-4:2 FTS	IS	103	40 - 200		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1

Sample ID: MW-21-07

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-08	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 15:30	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	84.0	40 - 135		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C5-PFHxA	IS	83.0	40 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C4-PFHpA	IS	82.9	40 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C3-HFPO-DA	IS	77.4	40 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C2-6:2 FTS	IS	84.1	40 - 200		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C8-PFOA	IS	74.9	40 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C3-PFHxS	IS	81.4	40 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C9-PFNA	IS	78.2	40 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C2-8:2 FTS	IS	81.5	40 - 300		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C6-PFDA	IS	78.7	40 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
d3-MeFOSAA	IS	71.7	40 - 170		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C8-PFOS	IS	75.0	40 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
d5-EtFOSAA	IS	63.0	25 - 135		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C7-PFUnA	IS	78.0	30 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C8-PFOA	IS	53.7	40 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C2-PFDoA	IS	68.9	10 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
13C2-PFTeDA	IS	64.0	10 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
d7-MeFOSE	IS	48.9	10 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
d3-MeFOA	IS	27.7	10 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
d9-EtFOSE	IS	48.9	10 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1
d5-EtFOA	IS	25.0	10 - 130		B24H242	28-Aug-24	0.501 L	31-Aug-24 00:07	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-21-04

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-09	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 16:25	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	15.4	1.65	6.61		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFPeA	13.7	0.433	3.31		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFBS	3.72	0.698	1.47		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
4:2 FTS	<1.31	1.31	6.20		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFHxA	8.58	0.282	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFPeS	<0.500	0.500	1.55		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
HFPO-DA	<1.76	1.76	6.90		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFHpA	3.27	0.280	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
ADONA	<1.64	1.64	6.53		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFHxS	0.831	0.521	1.51	J	B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
6:2 FTS	<1.26	1.26	6.27		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFOA	4.97	1.84	2.07		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFHpS	<0.390	0.390	1.57		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFNA	<0.250	0.250	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFOSA	<0.411	0.411	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFOS	<1.21	1.21	1.54		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
9Cl-PF3ONS	<1.98	1.98	6.45		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFDA	<0.439	0.439	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
8:2 FTS	<1.93	1.93	6.35		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFNS	<0.624	0.624	1.59		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
MeFOSAA	<0.714	0.714	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
EtFOSAA	<0.712	0.712	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFUnA	<0.427	0.427	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFDS	<0.583	0.583	1.59		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
11Cl-PF3OUdS	<1.99	1.99	6.20		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFDoA	<0.230	0.230	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
MeFOSA	<1.04	1.04	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFTTrDA	<0.265	0.265	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFDoS	<0.514	0.514	1.60		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
PFTeDA	<0.247	0.247	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
EtFOSA	<1.00	1.00	1.65		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
MeFOSE	<2.69	2.69	16.5		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
EtFOSE	<2.64	2.64	16.5		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	31.4	10 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C5-PFPeA	IS	81.3	40 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C2-4:2 FTS	IS	85.3	40 - 200		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1

Sample ID: MW-21-04

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-09	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 16:25	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	82.8	40 - 135		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C5-PFHxA	IS	86.5	40 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C4-PFHpA	IS	85.5	40 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C3-HFPO-DA	IS	81.4	40 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C2-6:2 FTS	IS	81.9	40 - 200		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C8-PFOA	IS	76.4	40 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C3-PFHxS	IS	85.9	40 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C9-PFNA	IS	79.5	40 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C2-8:2 FTS	IS	74.2	40 - 300		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C6-PFDA	IS	77.0	40 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
d3-MeFOSAA	IS	66.7	40 - 170		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C8-PFOS	IS	77.3	40 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
d5-EtFOSAA	IS	67.7	25 - 135		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C7-PFUnA	IS	79.6	30 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C8-PFOSA	IS	51.6	40 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C2-PFDoA	IS	74.9	10 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
13C2-PFTeDA	IS	64.9	10 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
d7-MeFOSE	IS	47.1	10 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
d3-MeFOSA	IS	17.1	10 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
d9-EtFOSE	IS	48.1	10 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1
d5-EtFOSA	IS	15.7	10 - 130		B24H242	28-Aug-24	0.484 L	31-Aug-24 00:20	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-22-12

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-10	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	14-Aug-24 07:40	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	20.7	1.64	6.54		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFPeA	21.0	0.428	3.27		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFBS	4.39	0.690	1.45		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
4:2 FTS	<1.30	1.30	6.13		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFHxA	31.5	0.279	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFPeS	4.41	0.495	1.53		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
HFPO-DA	<1.74	1.74	6.83		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFHpA	29.5	0.277	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
ADONA	<1.63	1.63	6.46		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFHxS	14.9	0.515	1.49		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
6:2 FTS	<1.25	1.25	6.21		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFOA	163	1.82	2.04		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFHpS	3.09	0.385	1.55		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFNA	6.48	0.247	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFOSA	3.52	0.407	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFOS	134	1.20	1.52		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
9Cl-PF3ONS	<1.96	1.96	6.38		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFDA	0.662	0.434	1.64	J	B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
8:2 FTS	<1.91	1.91	6.28		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFNS	<0.617	0.617	1.57		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
MeFOSAA	<0.706	0.706	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
EtFOSAA	<0.704	0.704	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFUnA	<0.422	0.422	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFDS	<0.577	0.577	1.57		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
11Cl-PF3OUdS	<1.97	1.97	6.13		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFDoA	<0.228	0.228	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
MeFOSA	<1.03	1.03	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFTTrDA	<0.262	0.262	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFDoS	<0.508	0.508	1.58		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
PFTeDA	<0.244	0.244	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
EtFOSA	<0.994	0.994	1.64		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
MeFOSE	<2.66	2.66	16.4		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
EtFOSE	<2.61	2.61	16.4		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	33.1	10 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C5-PFPeA	IS	85.2	40 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C2-4:2 FTS	IS	121	40 - 200		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1

Sample ID: MW-22-12

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-10	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	14-Aug-24 07:40	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	87.2	40 - 135		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C5-PFHxA	IS	85.1	40 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C4-PFHpA	IS	80.8	40 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C3-HFPO-DA	IS	77.7	40 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C2-6:2 FTS	IS	90.4	40 - 200		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C8-PFOA	IS	80.2	40 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C3-PFHxS	IS	82.9	40 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C9-PFNA	IS	81.5	40 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C2-8:2 FTS	IS	87.4	40 - 300		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C6-PFDA	IS	85.1	40 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
d3-MeFOSAA	IS	73.6	40 - 170		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C8-PFOS	IS	79.5	40 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
d5-EtFOSAA	IS	69.0	25 - 135		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C7-PFUnA	IS	85.5	30 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C8-PFOA	IS	53.5	40 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C2-PFDoA	IS	72.3	10 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
13C2-PFTeDA	IS	64.8	10 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
d7-MeFOSE	IS	50.0	10 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
d3-MeFOA	IS	34.0	10 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
d9-EtFOSE	IS	49.3	10 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1
d5-EtFOA	IS	33.1	10 - 130		B24H242	28-Aug-24	0.489 L	31-Aug-24 00:34	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-21-08

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-11	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	14-Aug-24 08:40	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	21.4	1.62	6.49		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFPeA	32.9	0.425	3.25		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFBS	3.19	0.685	1.44		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
4:2 FTS	<1.29	1.29	6.09		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFHxA	32.9	0.277	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFPeS	1.07	0.491	1.52	J	B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
HFPO-DA	<1.72	1.72	6.78		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFHpA	21.5	0.275	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
ADONA	<1.61	1.61	6.41		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFHxS	5.73	0.511	1.48		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
6:2 FTS	<1.24	1.24	6.16		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFOA	76.0	1.81	2.03		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFHpS	1.49	0.382	1.54	J	B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFNA	7.64	0.245	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFOSA	0.919	0.404	1.62	J	B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFOS	60.3	1.19	1.51		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
9Cl-PF3ONS	<1.95	1.95	6.33		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFDA	2.66	0.431	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
8:2 FTS	<1.90	1.90	6.23		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFNS	<0.613	0.613	1.56		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
MeFOSAA	<0.701	0.701	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
EtFOSAA	<0.699	0.699	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFUnA	2.13	0.419	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFDS	<0.572	0.572	1.56		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
11Cl-PF3OUdS	<1.96	1.96	6.09		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFDoA	0.481	0.226	1.62	J	B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
MeFOSA	<1.02	1.02	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFTTrDA	<0.260	0.260	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFDoS	<0.504	0.504	1.57		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
PFTeDA	<0.242	0.242	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
EtFOSA	<0.986	0.986	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
MeFOSE	<2.64	2.64	16.2		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
EtFOSE	<2.59	2.59	16.2		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	31.1	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C5-PFPeA	IS	76.2	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C2-4:2 FTS	IS	79.9	40 - 200		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1

Sample ID: MW-21-08

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-11	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	14-Aug-24 08:40	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	82.8	40 - 135		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C5-PFHxA	IS	79.3	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C4-PFHpA	IS	77.7	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C3-HFPO-DA	IS	77.7	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C2-6:2 FTS	IS	76.8	40 - 200		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C8-PFOA	IS	88.0	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C3-PFHxS	IS	79.3	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C9-PFNA	IS	75.1	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C2-8:2 FTS	IS	75.6	40 - 300		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C6-PFDA	IS	78.7	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
d3-MeFOSAA	IS	74.3	40 - 170		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C8-PFOS	IS	78.2	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
d5-EtFOSAA	IS	66.6	25 - 135		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C7-PFUnA	IS	82.6	30 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C8-PFOSA	IS	61.1	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C2-PFDoA	IS	73.6	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
13C2-PFTeDA	IS	70.5	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
d7-MeFOSE	IS	41.4	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
d3-MeFOSA	IS	21.9	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
d9-EtFOSE	IS	43.1	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1
d5-EtFOSA	IS	15.7	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:28	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-22-15

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-12	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	14-Aug-24 10:05	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	<1.62	1.62	6.49		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFPeA	19.4	0.425	3.24	I	B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFBS	<0.684	0.684	1.44		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
4:2 FTS	<1.29	1.29	6.08		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFHxA	59.3	0.277	1.62	I	B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFPeS	1.66	0.491	1.52	I	B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
HFPO-DA	<1.72	1.72	6.77		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFHpA	12.4	0.275	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
ADONA	<1.61	1.61	6.41		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFHxS	3.60	0.511	1.48		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
6:2 FTS	<1.24	1.24	6.15		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFOA	54.6	1.80	2.03		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFHpS	0.825	0.382	1.54	J	B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFNA	1.82	0.245	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFOSA	2.72	0.403	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFOS	32.9	1.19	1.51		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
9Cl-PF3ONS	<1.95	1.95	6.33		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFDA	0.901	0.431	1.62	J	B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
8:2 FTS	<1.90	1.90	6.22		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFNS	<0.612	0.612	1.56		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
MeFOSAA	<0.701	0.701	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
EtFOSAA	8.39	0.699	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFUnA	<0.419	0.419	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFDS	<0.572	0.572	1.56		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
11Cl-PF3OUdS	<1.96	1.96	6.08		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFDoA	<0.226	0.226	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
MeFOSA	<1.02	1.02	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFTTrDA	<0.260	0.260	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFDoS	<0.504	0.504	1.57		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
PFTeDA	<0.242	0.242	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
EtFOSA	<0.985	0.985	1.62		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
MeFOSE	<2.64	2.64	16.2		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
EtFOSE	<2.59	2.59	16.2		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	7.04	10 - 130	Q	B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C5-PFPeA	IS	46.5	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C2-4:2 FTS	IS	123	40 - 200		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1

Sample ID: MW-22-15

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-12	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	14-Aug-24 10:05	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	78.7	40 - 135		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C5-PFHxA	IS	79.6	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C4-PFHpA	IS	86.2	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C3-HFPO-DA	IS	75.3	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C2-6:2 FTS	IS	101	40 - 200		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C8-PFOA	IS	77.5	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C3-PFHxS	IS	81.8	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C9-PFNA	IS	76.4	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C2-8:2 FTS	IS	95.1	40 - 300		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C6-PFDA	IS	83.2	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
d3-MeFOSAA	IS	64.6	40 - 170		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C8-PFOS	IS	77.6	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
d5-EtFOSAA	IS	61.1	25 - 135		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C7-PFUnA	IS	83.8	30 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C8-PFOA	IS	47.3	40 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C2-PFDoA	IS	67.6	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
13C2-PFTeDA	IS	54.0	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
d7-MeFOSE	IS	42.6	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
d3-MeFOA	IS	35.1	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
d9-EtFOSE	IS	40.9	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1
d5-EtFOA	IS	31.3	10 - 130		B24H242	28-Aug-24	0.493 L	31-Aug-24 01:42	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-21-05

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-13	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	14-Aug-24 10:55	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	36.6	1.61	6.45		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFPeA	60.4	0.422	3.22		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFBS	6.43	0.680	1.43		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
4:2 FTS	<1.28	1.28	6.04		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFHxA	143	0.275	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFPeS	7.07	0.488	1.51		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
HFPO-DA	<1.71	1.71	6.73		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFHpA	110	0.273	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
ADONA	<1.60	1.60	6.37		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFHxS	33.3	0.508	1.47		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
6:2 FTS	5.48	1.23	6.11	J	B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFOA	528	1.79	2.01		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFHpS	16.3	0.380	1.53		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFNA	80.5	0.244	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFOSA	133	0.401	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFOS	818	1.18	1.50		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
9Cl-PF3ONS	<1.93	1.93	6.29		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFDA	10.0	0.428	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
8:2 FTS	8.09	1.88	6.19		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFNS	<0.608	0.608	1.55		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
MeFOSAA	7.46	0.696	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
EtFOSAA	26.6	0.694	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFUnA	0.428	0.416	1.61	J	B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFDS	<0.568	0.568	1.55		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
11Cl-PF3OUdS	<1.94	1.94	6.04		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFDoA	<0.225	0.225	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
MeFOSA	<1.02	1.02	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFTTrDA	<0.258	0.258	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFDoS	<0.501	0.501	1.56		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
PFTeDA	<0.241	0.241	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
EtFOSA	<0.979	0.979	1.61		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
MeFOSE	<2.62	2.62	16.1		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
EtFOSE	<2.57	2.57	16.1		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	70.8	10 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C5-PFPeA	IS	88.3	40 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C2-4:2 FTS	IS	99.7	40 - 200		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1

Sample ID: MW-21-05

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-13	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	14-Aug-24 10:55	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	79.2	40 - 135		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C5-PFHxA	IS	81.9	40 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C4-PFHpA	IS	83.3	40 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C3-HFPO-DA	IS	82.4	40 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C2-6:2 FTS	IS	87.0	40 - 200		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C8-PFOA	IS	73.9	40 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C3-PFHxS	IS	79.7	40 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C9-PFNA	IS	80.6	40 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C2-8:2 FTS	IS	90.1	40 - 300		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C6-PFDA	IS	85.7	40 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
d3-MeFOSAA	IS	77.9	40 - 170		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C8-PFOS	IS	80.3	40 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
d5-EtFOSAA	IS	73.6	25 - 135		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C7-PFUnA	IS	84.4	30 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C8-PFOSA	IS	56.7	40 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C2-PFDoA	IS	74.0	10 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
13C2-PFTeDA	IS	70.4	10 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
d7-MeFOSE	IS	48.0	10 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
d3-MeFOSA	IS	24.9	10 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
d9-EtFOSE	IS	48.5	10 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1
d5-EtFOSA	IS	20.5	10 - 130		B24H242	28-Aug-24	0.496 L	31-Aug-24 01:55	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: MW-22-14

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-14	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	14-Aug-24 11:55	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	32.6	1.62	6.47		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFPeA	52.4	0.424	3.24		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFBS	6.68	0.683	1.44		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
4:2 FTS	<1.28	1.28	6.07		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFHxA	70.9	0.276	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFPeS	6.27	0.489	1.52		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
HFPO-DA	<1.72	1.72	6.75		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFHpA	96.5	0.274	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
ADONA	<1.61	1.61	6.39		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFHxS	52.0	0.510	1.48		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
6:2 FTS	2.12	1.23	6.14	J	B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFOA	875	1.80	2.02		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFHpS	45.3	0.381	1.54		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFNA	124	0.245	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFOSA	117	0.402	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFOS	3120	1.18	1.51		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
9Cl-PF3ONS	<1.94	1.94	6.31		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFDA	21.1	0.430	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
8:2 FTS	4.07	1.89	6.21	J	B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFNS	<0.611	0.611	1.56		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
MeFOSAA	17.9	0.699	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
EtFOSAA	119	0.697	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFUnA	<0.418	0.418	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFDS	<0.570	0.570	1.56		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
11Cl-PF3OUdS	<1.95	1.95	6.07		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFDoA	<0.225	0.225	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
MeFOSA	<1.02	1.02	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFTTrDA	<0.259	0.259	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFDoS	<0.503	0.503	1.57		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
PFTeDA	<0.242	0.242	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
EtFOSA	<0.983	0.983	1.62		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
MeFOSE	<2.63	2.63	16.2		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
EtFOSE	<2.58	2.58	16.2		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	14.6	10 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C5-PFPeA	IS	77.1	40 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C2-4:2 FTS	IS	108	40 - 200		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1

Sample ID: MW-22-14

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-14	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	14-Aug-24 11:55	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	84.9	40 - 135		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C5-PFHxA	IS	81.4	40 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C4-PFHpA	IS	80.5	40 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C3-HFPO-DA	IS	75.8	40 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C2-6:2 FTS	IS	97.7	40 - 200		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C8-PFOA	IS	91.4	40 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C3-PFHxS	IS	81.1	40 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C9-PFNA	IS	79.2	40 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C2-8:2 FTS	IS	86.9	40 - 300		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C6-PFDA	IS	89.1	40 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
d3-MeFOSAA	IS	79.1	40 - 170		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C8-PFOS	IS	78.8	40 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
d5-EtFOSAA	IS	80.6	25 - 135		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C7-PFUnA	IS	88.5	30 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C8-PFOA	IS	73.8	40 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C2-PFDoA	IS	75.3	10 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
13C2-PFTeDA	IS	72.7	10 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
d7-MeFOSE	IS	66.9	10 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
d3-MeFOSA	IS	35.0	10 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
d9-EtFOSE	IS	64.2	10 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1
d5-EtFOSA	IS	36.1	10 - 130		B24H242	28-Aug-24	0.494 L	31-Aug-24 02:09	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: DUP-01

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-15	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 00:00	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	26.4	1.58	6.30		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFPeA	19.3	0.413	3.15		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFBS	3.80	0.665	1.40		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
4:2 FTS	<1.25	1.25	5.91		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFHxA	41.5	0.269	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFPeS	1.29	0.476	1.48	J	B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
HFPO-DA	<1.67	1.67	6.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFHpA	26.0	0.267	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
ADONA	<1.57	1.57	6.22		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFHxS	8.13	0.496	1.44		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
6:2 FTS	2.54	1.20	5.98	J	B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFOA	128	1.75	1.97		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFHpS	0.966	0.371	1.50	J	B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFNA	10.5	0.238	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFOSA	10.5	0.392	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFOS	98.5	1.15	1.47		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
9Cl-PF3ONS	<1.89	1.89	6.14		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFDA	18.3	0.418	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
8:2 FTS	3.61	1.84	6.04	J	B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFNS	<0.595	0.595	1.52		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
MeFOSAA	2.46	0.680	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
EtFOSAA	15.4	0.678	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFUnA	3.54	0.407	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFDS	<0.555	0.555	1.52		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
11Cl-PF3OUdS	<1.90	1.90	5.91		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFDoA	2.28	0.220	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
MeFOSA	1.21	0.994	1.58	J	B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFTTrDA	<0.252	0.252	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFDoS	<0.489	0.489	1.53		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
PFTeDA	<0.235	0.235	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
EtFOSA	4.08	0.957	1.58		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
MeFOSE	<2.56	2.56	15.8		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
EtFOSE	<2.51	2.51	15.8		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	83.0	10 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C5-PFPeA	IS	93.5	40 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C2-4:2 FTS	IS	86.3	40 - 200		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1

Sample ID: DUP-01

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-15	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 00:00	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	73.5	40 - 135		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C5-PFHxA	IS	88.2	40 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C4-PFHpA	IS	88.1	40 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C3-HFPO-DA	IS	85.2	40 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C2-6:2 FTS	IS	84.6	40 - 200		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C8-PFOA	IS	88.8	40 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C3-PFHxS	IS	80.8	40 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C9-PFNA	IS	83.8	40 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C2-8:2 FTS	IS	104	40 - 300		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C6-PFDA	IS	87.7	40 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
d3-MeFOSAA	IS	59.8	40 - 170		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C8-PFOS	IS	80.8	40 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
d5-EtFOSAA	IS	61.3	25 - 135		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C7-PFUnA	IS	86.8	30 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C8-PFOA	IS	45.9	40 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C2-PFDoA	IS	76.1	10 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
13C2-PFTeDA	IS	70.8	10 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
d7-MeFOSE	IS	45.7	10 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
d3-MeFOA	IS	30.3	10 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
d9-EtFOSE	IS	46.0	10 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1
d5-EtFOA	IS	28.4	10 - 130		B24H242	28-Aug-24	0.508 L	31-Aug-24 02:22	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: DUP-02

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-16	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 00:00	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	31.6	1.59	6.37		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFPeA	58.0	0.417	3.19		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFBS	9.93	0.672	1.41		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
4:2 FTS	<1.26	1.26	5.97		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFHxA	54.8	0.272	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFPeS	5.71	0.482	1.49		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
HFPO-DA	<1.69	1.69	6.65		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFHpA	69.3	0.270	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
ADONA	<1.58	1.58	6.29		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFHxS	30.2	0.502	1.45		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
6:2 FTS	1.47	1.21	6.04	J	B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFOA	546	1.77	1.99		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFHpS	22.8	0.375	1.51		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFNA	105	0.241	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFOSA	192	0.396	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFOS	2020	1.16	1.48		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
9Cl-PF3ONS	<1.91	1.91	6.21		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFDA	32.5	0.423	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
8:2 FTS	3.64	1.86	6.11	J	B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFNS	<0.601	0.601	1.53		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
MeFOSAA	21.9	0.688	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
EtFOSAA	94.3	0.686	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFUnA	0.760	0.411	1.59	J, I	B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFDS	<0.561	0.561	1.53		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
11Cl-PF3OUdS	<1.92	1.92	5.97		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFDoA	<0.222	0.222	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
MeFOSA	<1.01	1.01	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFTTrDA	<0.255	0.255	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFDoS	<0.495	0.495	1.54		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
PFTeDA	<0.238	0.238	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
EtFOSA	<0.968	0.968	1.59		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
MeFOSE	<2.59	2.59	15.9		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
EtFOSE	<2.54	2.54	15.9		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	35.1	10 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C5-PFPeA	IS	85.8	40 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C2-4:2 FTS	IS	99.4	40 - 200		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1

Sample ID: DUP-02 **EPA Method 1633**

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-16	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 00:00	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	77.6	40 - 135		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C5-PFHxA	IS	80.7	40 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C4-PFHpA	IS	77.8	40 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C3-HFPO-DA	IS	72.0	40 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C2-6:2 FTS	IS	93.2	40 - 200		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C8-PFOA	IS	74.8	40 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C3-PFHxS	IS	75.7	40 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C9-PFNA	IS	76.7	40 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C2-8:2 FTS	IS	78.0	40 - 300		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C6-PFDA	IS	79.8	40 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
d3-MeFOSAA	IS	71.4	40 - 170		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C8-PFOS	IS	75.1	40 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
d5-EtFOSAA	IS	70.4	25 - 135		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C7-PFUnA	IS	80.3	30 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C8-PFOSA	IS	63.6	40 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C2-PFDoA	IS	67.2	10 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
13C2-PFTeDA	IS	59.9	10 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
d7-MeFOSE	IS	53.8	10 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
d3-MeFOSA	IS	32.9	10 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
d9-EtFOSE	IS	53.6	10 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1
d5-EtFOSA	IS	29.0	10 - 130		B24H242	28-Aug-24	0.502 L	31-Aug-24 02:36	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

Sample ID: EB-1

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-17	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 12:20	Date Received:	15-Aug-24 09:22		

Analyte	Conc. (ng/L)	MDL	RL	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	<1.60	1.60	6.40		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFPeA	<0.419	0.419	3.20		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFBS	<0.675	0.675	1.42		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
4:2 FTS	<1.27	1.27	6.00		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFHxA	<0.273	0.273	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFPeS	<0.484	0.484	1.50		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
HFPO-DA	<1.70	1.70	6.68		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFHpA	<0.271	0.271	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
ADONA	<1.59	1.59	6.32		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFHxS	<0.504	0.504	1.46		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
6:2 FTS	<1.22	1.22	6.07		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFOA	<1.78	1.78	2.00		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFHpS	<0.377	0.377	1.52		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFNA	<0.242	0.242	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFOSA	<0.398	0.398	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFOS	<1.17	1.17	1.49		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
9Cl-PF3ONS	<1.92	1.92	6.24		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFDA	<0.425	0.425	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
8:2 FTS	<1.87	1.87	6.14		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFNS	<0.604	0.604	1.54		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
MeFOSAA	<0.690	0.690	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
EtFOSAA	<0.688	0.688	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFUnA	<0.413	0.413	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFDS	<0.564	0.564	1.54		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
11Cl-PF3OUdS	<1.93	1.93	6.00		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFDoA	<0.223	0.223	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
MeFOSA	<1.01	1.01	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFTTrDA	<0.256	0.256	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFDoS	<0.497	0.497	1.55		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
PFTeDA	<0.239	0.239	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
EtFOSA	<0.971	0.971	1.60		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
MeFOSE	<2.60	2.60	16.0		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
EtFOSE	<2.55	2.55	16.0		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C4-PFBA	IS	82.5	10 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C5-PFPeA	IS	76.1	40 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C2-4:2 FTS	IS	81.3	40 - 200		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1

Sample ID: EB-1

EPA Method 1633

Client Data				Laboratory Data			
Name:	Tetra Tech	Matrix:	Aqueous	Lab Sample:	2408109-17	Column:	BEH C18
Project:	GP Broadway Mill Groundwater	Date Collected:	13-Aug-24 12:20	Date Received:	15-Aug-24 09:22		

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	80.8	40 - 135		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C5-PFHxA	IS	79.1	40 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C4-PFHpA	IS	76.3	40 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C3-HFPO-DA	IS	79.0	40 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C2-6:2 FTS	IS	81.5	40 - 200		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C8-PFOA	IS	80.5	40 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C3-PFHxS	IS	78.9	40 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C9-PFNA	IS	75.8	40 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C2-8:2 FTS	IS	76.8	40 - 300		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C6-PFDA	IS	81.1	40 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
d3-MeFOSAA	IS	70.9	40 - 170		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C8-PFOS	IS	76.8	40 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
d5-EtFOSAA	IS	64.6	25 - 135		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C7-PFUnA	IS	89.0	30 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C8-PFOA	IS	41.2	40 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C2-PFDoA	IS	75.6	10 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
13C2-PFTeDA	IS	69.0	10 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
d7-MeFOSE	IS	21.4	10 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
d3-MeFOA	IS	17.6	10 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
d9-EtFOSE	IS	19.7	10 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1
d5-EtFOA	IS	15.9	10 - 130		B24H242	28-Aug-24	0.500 L	31-Aug-24 02:49	1

MDL - Method Detection Limit

RL - Reporting limit

Results reported to MDL.

DATA QUALIFIERS & ABBREVIATIONS

For EPA 1633

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
I	Ion transition ratio is outside of the acceptance criteria.
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	Recovery and/or RPD was outside laboratory acceptance limits
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.

Enthalpy Analytical - EDH 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	3091.01
Florida Department of Health	E87777
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2020018
Michigan Department of Environmental Quality	9932
Minnesota Department of Health	2211390
Nevada Division of Environmental Protection	CA00413
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
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 can be found at Enthalpy.com/Resources/Accreditations.



CHAIN OF CUSTODY

PFAS Methods

For Laboratory Use Only

Work Order #: 2408109 Temp: 3.3 °C
Storage ID: R-13, W-2, W-1 Storage Secured: Yes No

Project ID: _____ PO#: _____ Sampler: Connor Lavzon (name)
TAT Standard: 21 days
(check one): 14 days 7 days Other: _____
Rush (surcharge may apply)

Invoice to: Name Mike Savale Company Tetra Tech Address 1136 Oak Valley Dr. City Ann Arbor State MI Phone # (734) 213-5040

Relinquished by (printed name and signature) Connor Lavzon Date 8/14/24 Time 12:30 Received by (printed name and signature) Jennifer Torres Date 08/15/24 Time 09:22

SHIP TO: Enthalpy Analytical - EDH
1104 Windfield Way
E: Dorado Hills, CA 95762
(916) 673-1520
ATTN: _____

Method of Shipment: _____
Tracking No.: _____

Quantity	Type	Matrix	PFAS by Isotope Dilution	EPA 1631 Draft	EPA 1631 FINAL	DoD QSM Table B-15	Other	EPA 533	EPA 537.1	List of 29 (537.1 + 533)
3	PAQ						X			

Requirements:
 State-specific (list state): MI
 DoD QSM Compliant
 PFAS List Below (or attach compound list)

Sample ID	Date	Time	Location/ Sample Description	Quantity	Type	Matrix	PFAS by Isotope Dilution	EPA 1631 Draft	EPA 1631 FINAL	DoD QSM Table B-15	Other	EPA 533	EPA 537.1	List of 29 (537.1 + 533)
MW-22-13	8/12	16:00		3	PAQ						X			
MW-21-11	8/13	9:50												
MW-20-02		10:50												
MW-21-10		12:05												
MW-20-03		12:50												
MW-21-09		13:30												
MW-21-06		14:40												
MW-21-07		15:30												
MW-21-04		16:25												
MW-22-12	8/14	7:40												

MI 33 PFAS (1633)

Other Instructions/ Comments: Level 4 data package

SEND DOCUMENTATION AND RESULTS TO:

Name: Mike Savale
Company: Tetra Tech
Address: 1136 Oak Valley Dr.
City: Ann Arbor State: MI Zip: 48108
Phone: (734) 213-5040
Email: michael.savale@tetratech.com

Container Types: P= HDPE, PJ= HDPE Jar Bottle Preservation Type: TZ = Trizma: _____ AA = Amm. Acetate: _____
PY= Polypropylene, O = Other: _____ Matrix Types: AQ = Aqueous, DW = Drinking Water, EF = Effluent, SD = Sediment, T=Tissue
SL = Sludge, SO = Soil, WW = Wastewater, O = Other: _____

CoC/Label Reconciliation Report WO# 2408109

LabNumber	CoC Sample ID	Sample Alias	Sample Date/Time	Container	BaseMatrix	Sample Comments
2408109-01	A MW-22-13	<input checked="" type="checkbox"/>	12-Aug-24 16:00	HDPE Bottle, 500 mL	Aqueous	
2408109-01	B MW-22-13	<input checked="" type="checkbox"/>	12-Aug-24 16:00	HDPE Bottle, 500 mL	Aqueous	
2408109-01	C MW-22-13	<input checked="" type="checkbox"/>	12-Aug-24 16:00	HDPE Bottle, 125 mL	Aqueous	
2408109-02	A MW-21-11	<input checked="" type="checkbox"/>	13-Aug-24 09:50	HDPE Bottle, 500 mL	Aqueous	
2408109-02	B MW-21-11	<input checked="" type="checkbox"/>	13-Aug-24 09:50	HDPE Bottle, 500 mL	Aqueous	
2408109-02	C MW-21-11	<input checked="" type="checkbox"/>	13-Aug-24 09:50	HDPE Bottle, 125 mL	Aqueous	
2408109-03	A MW-20-02	<input checked="" type="checkbox"/>	13-Aug-24 10:50	HDPE Bottle, 500 mL	Aqueous	
2408109-03	B MW-20-02	<input checked="" type="checkbox"/>	13-Aug-24 10:50	HDPE Bottle, 500 mL	Aqueous	
2408109-03	C MW-20-02	<input checked="" type="checkbox"/>	13-Aug-24 10:50	HDPE Bottle, 125 mL	Aqueous	
2408109-04	A MW-21-10	<input checked="" type="checkbox"/>	13-Aug-24 12:05	HDPE Bottle, 500 mL	Aqueous	
2408109-04	B MW-21-10	<input checked="" type="checkbox"/>	13-Aug-24 12:05	HDPE Bottle, 500 mL	Aqueous	
2408109-04	C MW-21-10	<input checked="" type="checkbox"/>	13-Aug-24 12:05	HDPE Bottle, 125 mL	Aqueous	
2408109-05	A MW-20-03	<input checked="" type="checkbox"/>	13-Aug-24 12:50	HDPE Bottle, 500 mL	Aqueous	
2408109-05	B MW-20-03	<input checked="" type="checkbox"/>	13-Aug-24 12:50	HDPE Bottle, 500 mL	Aqueous	
2408109-05	C MW-20-03	<input checked="" type="checkbox"/>	13-Aug-24 12:50	HDPE Bottle, 125 mL	Aqueous	
2408109-06	A MW-21-09	<input checked="" type="checkbox"/>	13-Aug-24 13:30	HDPE Bottle, 500 mL	Aqueous	
2408109-06	B MW-21-09	<input checked="" type="checkbox"/>	13-Aug-24 13:30	HDPE Bottle, 500 mL	Aqueous	
2408109-06	C MW-21-09	<input checked="" type="checkbox"/>	13-Aug-24 13:30	HDPE Bottle, 125 mL	Aqueous	
2408109-07	A MW-21-06	<input checked="" type="checkbox"/>	13-Aug-24 14:40	HDPE Bottle, 500 mL	Aqueous	
2408109-07	B MW-21-06	<input checked="" type="checkbox"/>	13-Aug-24 14:40	HDPE Bottle, 500 mL	Aqueous	
2408109-07	C MW-21-06	<input checked="" type="checkbox"/>	13-Aug-24 14:40	HDPE Bottle, 125 mL	Aqueous	
2408109-08	A MW-21-07	<input checked="" type="checkbox"/>	13-Aug-24 15:30	HDPE Bottle, 500 mL	Aqueous	
2408109-08	B MW-21-07	<input checked="" type="checkbox"/>	13-Aug-24 15:30	HDPE Bottle, 500 mL	Aqueous	
2408109-08	C MW-21-07	<input checked="" type="checkbox"/>	13-Aug-24 15:30	HDPE Bottle, 125 mL	Aqueous	
2408109-09	A MW-21-04	<input checked="" type="checkbox"/>	13-Aug-24 16:25	HDPE Bottle, 500 mL	Aqueous	
2408109-09	B MW-21-04	<input checked="" type="checkbox"/>	13-Aug-24 16:25	HDPE Bottle, 500 mL	Aqueous	
2408109-09	C MW-21-04	<input checked="" type="checkbox"/>	13-Aug-24 16:25	HDPE Bottle, 125 mL	Aqueous	
2408109-10	A MW-22-12	<input checked="" type="checkbox"/>	14-Aug-24 07:40	HDPE Bottle, 500 mL	Aqueous	



	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"/>

Comments:

- A) No date / time listed on COC. Date pulled from Sample label. Used 00:00 for time.
- B) Contain brown tint.
- C) Contain light brown tint and particulate

Preservation Documented: Na2S2O3 Trizma NH4CH3CO2 None Other

Verified by/Date: VA 08/16/24
XAO 08/16/24

C1 = Cooler #1

C2 = Cooler #2