NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau E
625 Broadway, 12th Floor, Albany, NY 12233-7017
P: (518) 402-9813 I F: (518) 402-9819
www.dec.ny.gov

September 28, 2023

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

Re: New Windsor Public Water Supply Well PFAS Sample Results
Butterhill Wellfield, New Windsor (T), Orange County

Dear Supervisor Meyers:

The New York State Department of Environmental Conservation (DEC) is providing you with a copy of analytical results derived from the **September 6, 2023** sampling of the temporary granular activated carbon (GAC) water treatment system by DEC representatives that was installed at the Town of New Windsor (Town) Butterhill Wellfield located at 181 Forge Hill Road.

No PFOS or PFOA was detected in the Butterhill temporary GAC-treated water. Effective August 26, 2021, the NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.

The samples were analyzed for polyfluoroalkyl substances (PFAS), including Perfluorooctanoic acid (PFOA) and Perfluorooctanesulfonic acid (PFOS) utilizing EPA Method 533. Data received for the PFAS analysis has been attached.

During this event, sampling for PFAS was conducted at 29 locations.

- pre-treatment (combined raw untreated water), which has a “BH20230906PRE-GAC” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20230906-1N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20230906-1N-50” identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20230906-1N-75” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20230906-2N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20230906-2N-50” identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20230906-2N-75” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20230906-3N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20230906-3N-50” identifier in the Client Sample ID;

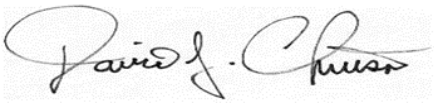
- 75 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20230906-3N-75” identifier in the Client Sample ID;
- Butterhill Well No.1 raw untreated water; which has a “BH20230906-1RAW” identifier in the Client Sample ID;
- Butterhill Well No.2 raw untreated water; which has a “BH20230906-2RAW” identifier in the Client Sample ID;
- Butterhill Well No.3 raw untreated water; which has a “BH20230906-3RAW” identifier in the Client Sample ID;
- Post-treatment (treated water after all GAC trains), which has a “BH20230906POST-GAC” identifier in the Client Sample ID.
- mid-treatment (after the first GAC canister in Pair Train No. 1 and prior to the second GAC canister in Pair Train No.1), which has a “BH20230906-1 MID” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 1), which has a “BH20230906-1 POST” identifier in the Client Sample ID;
- mid-treatment (after the first GAC canister in Pair Train No. 2 and prior to the second GAC canister in Pair Train No.2), which has a “BH20230906-2 MID” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 2), which has a “BH20230906-2 POST” identifier in the Client Sample ID;
- mid-treatment (after the first GAC canister in Pair Train No. 3 and prior to the second GAC canister in Pair Train No.3), which has a “BH20230906-3 MID” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 3), which has a “BH20230906-3 POST” identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20230906-1S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20230906-1S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20230906-1S-75” identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20230906-2S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20230906-2S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20230906-2S-75” identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20230906-3S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20230906-3S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20230906-3S-75” identifier in the Client Sample ID;

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

Please note that a GAC changeout event is currently being scheduled for later this Fall. Once a more definitive schedule is developed, the Town will be promptly notified in advance. The next GAC OM sampling event will be scheduled around the upcoming changeout event.

If you have any technical questions regarding the analytical results or on the operation and performance of the GAC treatment system, please feel free to contact me or Dana Bryant, P.E., Arcadis (DEC's Project Engineer) at (518) 250-7347 or dana.bryant@arcadis.com . For weekday or off hour / weekend emergency repair issues, please call DEC's contractor, Todd Rollend at (518) 365-3333. For questions regarding site-related health concerns, please contact Steve Gagnon of the Orange County DOH at (845) 291-2331 or Steve Gladding, P.E., Ph.D of the NYSDOH Bureau of Water Supply Protection at (518) 402-7650; email: steven.gladding@health.ny.gov .

Sincerely,



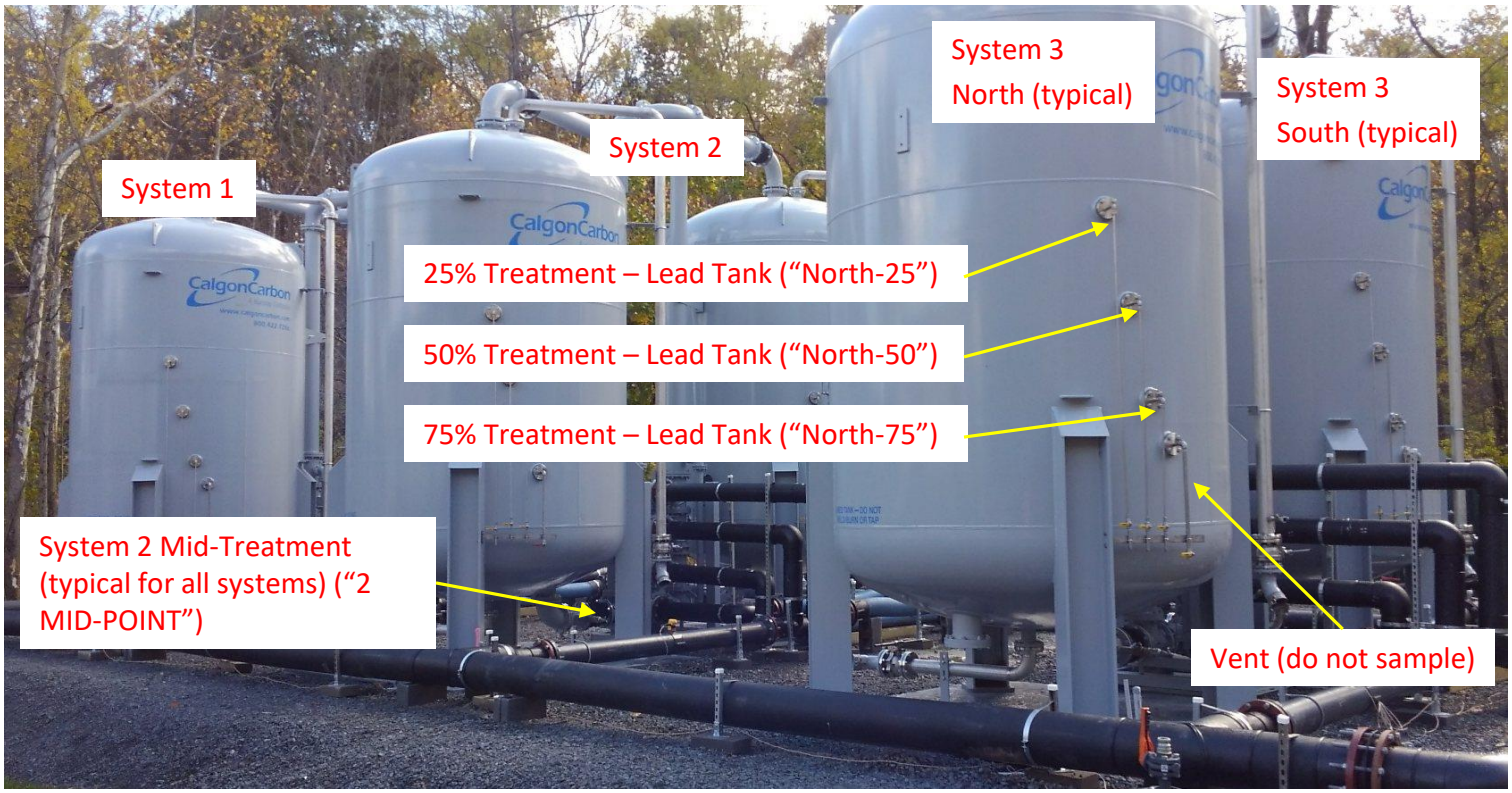
David J. Chiusano
Environmental Engineer/Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

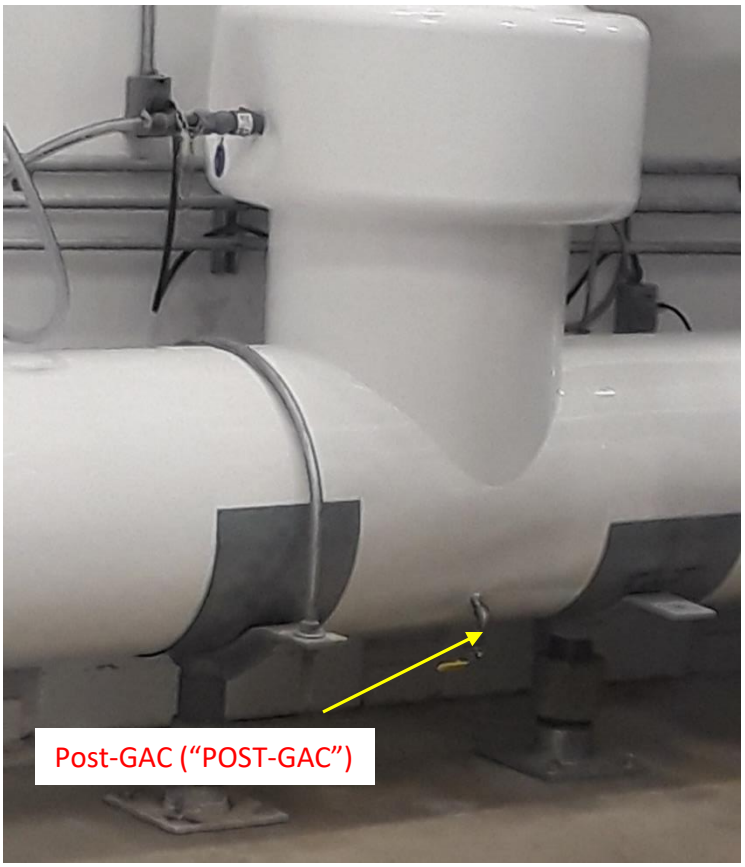
Enclosures

ec: w/enclosures
D. Zagon, Town of New Windsor
J. Egitto, Town of New Windsor
M. Weeks, MHE
S. Gladding, NYSDOH
K. Wheeler, NYSDOH
C. Bethoney, NYSDOH
S. Gagnon, OCDOH
M. Andersen, OCDOH
D. Bryant, Arcadis
F. Fina, Aztech
M. Cruden, NYSDEC-DER
B. Rung, NYSDEC-DER
D. Pollack, Region 3 DER

Figure 1
Sampling Locations

Butterhill Plant Temporary GAC Treatment System





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

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

Date	Analyte	Well 1 Raw Water	Well 2 Raw Water	Well 3 Raw Water	Pre GAC Raw Water (Combined)	GAC Pair 1 Lead 25%(North)	GAC Pair 1 Lead 50%(North)	GAC Pair 1 Lead 75%(North)	GAC Pair 2 Lead 25% (North)	GAC Pair 2 Lead 50%(North)	GAC Pair 2 Lead 75%(North)	GAC Pair 3 Lead 25%(North)	GAC Pair 3 Lead 50%(North)	GAC Pair 3 Lead 75%(North)	Post GAC Treated Effluent	NYS MCLs[4]
December 2019 (Well 3)	PFOA	2.6	3.5	5.0	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10[4]
	PFOS	3.7	2.4	8.9	3.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10[4]
January 2020 (Well 2)	PFOA	2.4	3.5	3.9	3.3	ND	ND	ND	2.2	ND	ND	1.8	ND	ND	ND	10[4]
	PFOS	3.3	2.4	7.7	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10[4]
February 2020 (Well 2)	PFOA	3.1	3.9	3.6	3.3	ND	ND	ND	2.7	ND	ND	2.3	ND	ND	ND	10[4]
	PFOS	3.6	2.7	6.0	2.8	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10[4]
March 2020 (Well 1)	PFOA	2.5	2.9	2.9	2.5	ND	ND	ND	1.9	ND	ND	ND	ND	ND	ND	10[4]
	PFOS	3.6	2.8	5.4	3.3	ND	ND	ND	1.7	ND	ND	ND	ND	ND	ND	10[4]
April 2020 (Well 1)	PFOA	3.0	3.1	2.8	2.8	ND	ND	ND	2.1	ND	ND	ND	ND	ND	ND	10[4]
	PFOS	3.4	2.2	4.5	3.0	ND	ND	ND	2.0	ND	ND	ND	ND	ND	ND	10[4]
May 2020 (Well 3)	PFOA	3.3	NS	3.7	3.1	2.3	ND	ND	2.7	1.8	ND	2.4	ND	ND	ND	10[4]
	PFOS	3.8	NS	5.9	5.0	2.9	ND	ND	3.5	1.9	ND	3.0	ND	ND	ND	10[4]
August 2020 (Well 3)	PFOA	2.5	2.7	4.3	4.4	4.1	2.8	ND	3.9	3.1	1.8	4.1	2.6	ND	ND	10[4]
	PFOS	3.2	2.2	8.1	8.5	6.1	3.0	ND	6.2	3.5	ND	6.6	2.7	ND	ND	10[4]
December 2020 (Well 3)	PFOA	NS[4]	3.2	4.5	4.4	ND[2]	ND	ND	1.8	ND	ND	2.0	ND	ND	ND	10[4]
	PFOS	NS[4]	2.5	8.5	7.5	ND[2]	ND	ND	1.8	ND	ND	2.1	ND	ND	ND	10[4]
March 2021 (Well 3)	PFOA	NS[4]	NS[4]	2.9	3.1	5.6	ND	ND	3.6	2.1	ND	2.5	ND	ND	ND	10[4]
	PFOS	NS[4]	NS[4]	5.3	5.0	12.0	ND	ND	6.6	2.2	ND	4.3	2.1	ND	ND	10[4]
June 2021 (Well 3)	PFOA	NS[4]	NS[4]	3.1	2.6	2.4	1.9	ND	2.5	2.0	ND	2.4	1.9	ND	ND	10[4]
	PFOS	NS[4]	NS[4]	5.3	3.8	3.5	2.2	ND	4.4	2.5	ND	4.9	2.6	ND	ND	10[4]
September 2021 (Well 1)	PFOA	ND	NS[4]	3.1	2.3	2.1	ND	ND	2.1	2.0	ND	2.1	ND	ND	ND	10[4]
	PFOS	2.1	NS[4]	5.5	2.9	2.7	ND	ND	3.0	2.0	ND	3.0	1.9	ND	ND	10[4]
December 2021 (Well 3**)[5]	PFOA	NS[4]	NS[4]	4.1	3.8	3.7	3.1	2.4	3.4	2.9	2.0	3.7	3.1	2.7	ND	10[4]
	PFOS	NS[4]	NS[4]	7.8	6.6	5.8	3.7	2.3	5.9	4.3	2.3	5.4	4.5	3.1	ND	10[4]
March 2022 (Well 2)	PFOA	2.7	3.5	3.6	3.2	2.9	2.7	2.2	3.2	2.8	2.1	3.1	2.6	2.1	ND	10[4]
	PFOS	2.9	3.3	4.2	2.9	2.7	2.1	ND	2.9	2.3	ND	2.6	2.3	ND	ND	10[4]
June 2022 (Well 2)	PFOA	3.3	2.9	2.7	2.6	2.6	2.3	2.1	2.8	2.4	2.3	2.6	2.3	2.0	ND	10[4]
	PFOS	3.4	3.0	4.3	4.0	3.6	2.3	2.1	3.3	2.9	2.3	3.1	2.8	1.9	ND	10[4]
September 2022 (Well 3)	PFOA	3.8	3.3	5.3	6.1	5.7	4.7	4.5	6.1	5.3	4.2	5.6	5.2	4.3	ND	10[4]
	PFOS	4.3	3.7	11	12	10	7.3	5.5	9.0	7.3	5.9	8.9	7.4	5.2	ND	**10[4]**
December 2022 (Well 2)	PFOA	3.2	4.2	5.2	3.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10[4]
	PFOS	3.4	4.3	9.9	4.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10[4]

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

Date	Analyte	Well 1 Raw Water	Well 2 Raw Water	Well 3 Raw Water	Pre GAC Raw Water (Combined)	GAC Pair 1 Lead 25%(North)	GAC Pair 1 Lead 50%(North)	GAC Pair 1 Lead 75%(North)	GAC Pair 2 Lead 25% (North)	GAC Pair 2 Lead 50%(North)	GAC Pair 2 Lead 75%(North)	GAC Pair 3 Lead 25%(North)	GAC Pair 3 Lead 50%(North)	GAC Pair 3 Lead 75%(North)	Post GAC Treated Effluent	NYS MCLs[4]
March 2023 (Well 2)	PFOA	4.3	4.3	3.8	4.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10^4
	PFOS	5.6	5.0	5.8	5.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10^4
June 2023 (Well 3)	PFOA	4.1	4.2	4.3	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10^4
	PFOS	5.7	5.3	6.8	6.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10^4
September 2023 (Well 3)**	PFOA	3.3	3.5	6.4	5.8	ND	ND	ND	1.8	ND	ND	ND	ND	ND	ND	10^4
	PFOS	6.6	5.3	12	12	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10^4

TABLE 2 - Town of New Windsor Butterhill Wellfield Temporary GAC Operation and Maintenance PFOA and PFOS Sampling Results * (Parts Per Trillion (PPT)) [1]

Date	Analyte	GAC Pair 1 Mid-Point	GAC Pair 1 Post	GAC Pair 1 Lag 25%(South)	GAC Pair 1 Lag 50% (South)	GAC Pair 1 Lag 75%(South)	GAC Pair 2 Mid-Point	GAC Pair 2 Post	GAC Pair 2 Lag 25% (South)	GAC Pair 2 Lag 50%(South)	GAC Pair 2 Lag 75%(South)	GAC Pair 3 Mid-Point	GAC Pair 3 Post	GAC Pair 3 Lag 25%(South)	GAC Pair 3 Lag 50%(South)	GAC Pair 3 Lag 75%(South)	NYS MCLs[3]
February 2020 (Well 2)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
March 2020 (Well 1)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
April 2020 (Well 1)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
May 2020 (Well 3)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
August 2020 (Well 3)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
December 2020 (Well 3)	PFOA	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	**10^3**
	PFOS	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	ND	ND	NS	NS	NS	**10^3**
March 2021 (Well 3)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
June 2021 (Well 3)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
September 2021 (Well 1)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
December 2021 (Well 3)[5]**	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	**2.2**	ND	ND	**2.1**	ND	ND	ND	ND	**2.1**	ND	ND	ND	ND	**10^3**
March 2022 (Well 2)	PFOA	ND	ND	ND	ND	ND	**1.9**	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
June 2022 (Well 2)	PFOA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
	PFOS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10^3**
September 2022 (Well 3)	PFOA	3.7	ND	2.9	2.1	ND	3.5	ND	2.2	1.9	ND	3.2	ND	2.6	ND	ND	**10^3**
	PFOS	3.9	ND	1.9	ND	ND	4.2	ND	ND	ND	ND	3.4	ND	ND	ND	ND	**10^3**
December 2022 (Well 2)	PFOA	ND	ND	2.8	ND	ND	ND	ND	2.7	ND	ND	ND	ND	2.5	ND	ND	**10^3**
	PFOS	ND	ND	2.2	ND	ND	ND	ND	2.3	ND	ND	ND	ND	2.3	ND	ND	**10^3**
March 2023 (Well 2)	PFOA	ND	ND	3.5	2.8	ND	1.8	ND	3.8	3.2	ND	ND	ND	3.7	2.8	1.9	**10^3**
	PFOS	ND	ND	9.0	2.6	ND	ND	ND	4.4	2.0	ND	ND	ND	3.4	2.3	ND	**10^3**

TABLE 2 Continued - Town of New Windsor Butterhill Wellfield Temporary GAC Operation and Maintenance PFOA and PFOS Sampling Results * (Parts Per Trillion (PPT))[1]

Date	Analyte	GAC Pair 1 Mid-Point	GAC Pair 1 Post	GAC Pair 1 Lag 25%(South)	GAC Pair 1 Lag 50% (South)	GAC Pair 1 Lag 75%(South)	GAC Pair 2 Mid-Point	GAC Pair 2 Post	GAC Pair 2 Lag 25% (South)	GAC Pair 2 Lag 50%(South)	GAC Pair 2 Lag 75%(South)	GAC Pair 3 Mid-Point	GAC Pair 3 Post	GAC Pair 3 Lag 25%(South)	GAC Pair 3 Lag 50%(South)	GAC Pair 3 Lag 75%(South)	NYS MCLs[3]
June 2023 (Well 3)	PFOA	2.0	ND	3.1	3.3	2.3	1.9	ND	3.2	2.9	2.4	2.4	ND	4.4	3.6	2.9	10^3
	PFOS	2.2	ND	5.2	4.2	2.9	2.2	ND	5.7	3.9	2.7	2.0	ND	5.9	4.9	2.6	10^3
September 2023 (Well 3) **	PFOA	3.2	ND	4.3	3.3	2.3	3.6	ND	3.0	2.0	1.9	3.5	ND	4.5	2.7	2.3	10^3
	PFOS	3.4	ND	6.8	4.8	2.6	4.2	ND	4.9	3.6	2.5	3.5	ND	5.2	4.1	2.7	10^3

Notes:

* Method 533 List Analysis

** At the time of sampling (09/06/2023), Production Well 3 was feeding the plant. Last GAC change completed in October 2022

1. PFOS and PFOA results and comparison values are reported in parts per trillion (ppt, nanograms per liter, ng/l).
2. "ND" means non-detect. The analyte was not detected in the sample.
3. The NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.
4. NS: Not Sampled
5. Con-Test (a Pace Laboratory) began analyzing drinking water samples starting with December 2021 sampling event.

How to Read Your Laboratory Reports

PFOA and PFOS Results:

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

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

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

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

Sec Goal is the EPA nomenclature for all contaminants that have regulatory levels set based on aesthetics (for example, taste or color). DOH recognizes these EPA secondary goals as primary standards and enforces its drinking water quality program accordingly.

- Date/Time represents the date and time of the analysis at the lab.
- By refers to the technician who ran the test.
- Reference indicates the EPA method used in the test.

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

September 27, 2023

David Chiusano
NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: New Windsor, NY
Client Job Number:
Project Number: 30058345
Laboratory Work Order Number: 23I0619

Enclosed are results of analyses for samples as received by the laboratory on September 7, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

Table of Contents

Table of Contents (continued)

con-test®
A Pace Analytical® Laboratory

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: David Chiusano

REPORT DATE: 9/27/2023

PURCHASE ORDER NUMBER: 141586

PROJECT NUMBER: 30058345

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23I0619

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: New Windsor, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
BH20230906-PRE GAC	23I0619-01	Drinking Water		EPA 533	
BH20230906-POST GAC	23I0619-02	Drinking Water		EPA 533	
BH20230906-POST GAC DUP	23I0619-03	Drinking Water		EPA 533	
BH20230906-POST GAC MS/MSD	23I0619-04	Drinking Water		EPA 533	
BH20230906-1N-25	23I0619-05	Drinking Water		EPA 533	
BH20230906-1N-50	23I0619-06	Drinking Water		EPA 533	
BH20230906-1N-75	23I0619-07	Drinking Water		EPA 533	
BH20230906-1POST	23I0619-08	Drinking Water		EPA 533	
BH20230906-1S-25	23I0619-09	Drinking Water		EPA 533	
BH20230906-1S-50	23I0619-10	Drinking Water		EPA 533	
BH20230906-1S-75	23I0619-11	Drinking Water		EPA 533	
BH20230906-1 MID	23I0619-12	Drinking Water		EPA 533	
BH20230906-2N-25	23I0619-13	Drinking Water		EPA 533	
BH20230906-2N-50	23I0619-14	Drinking Water		EPA 533	
BH20230906-2N-75	23I0619-15	Drinking Water		EPA 533	
BH20230906-2 POST	23I0619-16	Drinking Water		EPA 533	
BH20230906-2S-25	23I0619-17	Drinking Water		EPA 533	
BH20230906-2S-50	23I0619-18	Drinking Water		EPA 533	
BH20230906-2S-75	23I0619-19	Drinking Water		EPA 533	
BH20230906-2 MID	23I0619-20	Drinking Water		EPA 533	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA 533

Qualifications:

PF-17

Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.

Analyte & Samples(s) Qualified:

M2-6:2FTS

23I0619-01[BH20230906-PRE GAC], 23I0619-02[BH20230906-POST GAC], 23I0619-03[BH20230906-POST GAC DUP], 23I0619-04[BH20230906-POST GAC MS/MSD], 23I0619-05[BH20230906-1N-25], 23I0619-06[BH20230906-1N-50], 23I0619-07[BH20230906-1N-75], 23I0619-08[BH20230906-1POST], 23I0619-09[BH20230906-1S-25], 23I0619-10[BH20230906-1S-50], 23I0619- 11[BH20230906-1S-75], 23I0619-12[BH20230906-1 MID], 23I0619-13[BH20230906-2N-25], 23I0619-14[BH20230906-2N-50], 23I0619-15[BH20230906-2N-75], 23I0619-16[BH20230906-2 POST], 23I0619-17[BH20230906-2S-25], 23I0619-19[BH20230906-2S-75], 23I0619-20[BH20230906-2 MID], B351486-BLK1, B351487-BLK1

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-6:2FTS

B351486-BS1, B351486-BSD1, B351487-BS1, B351487-MS1, B351487-MSD1

M2-8:2FTS

S093455-CCV1

M3HFPO-DA

S093988-CCV2, S093988-CCV3

M9PFNA

S093455-CCV2

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

11Cl-PF3OUdS (F53B Major)

S093455-CCV2, S093455-CCV3

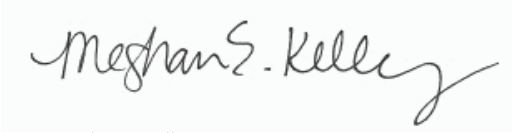
9Cl-PF3ONS (F53B Minor)

S093455-CCV2, S093455-CCV3

Perfluoroundecanoic acid (PFUnA)

S093455-CCV3

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.



Meghan E. Kelley
Reporting Specialist

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-PRE GAC | Sampled: 9/6/2023 09:51

Sample ID: 23I0619-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.9	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluorobutanesulfonic acid (PFBS)	3.1	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluoropentanoic acid (PFPeA)	9.8	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluorohexanoic acid (PFHxA)	6.1	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluorohexanesulfonic acid (PFHxS)	5.9	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluoroheptanoic acid (PFHpA)	3.2	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluorooctanoic acid (PFOA)	5.8	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluorooctanesulfonic acid (PFOS)	12	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:48	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	119		50-200		9/21/23 12:48
M2-8:2FTS	102		50-200		9/21/23 12:48
MPFBA	95.3		50-200		9/21/23 12:48
M3HFPO-DA	100		50-200		9/21/23 12:48
M6PFDA	62.9		50-200		9/21/23 12:48
M3PFBS	87.0		50-200		9/21/23 12:48
M7PFUnA	67.2		50-200		9/21/23 12:48
M2-6:2FTS	**264**	*	50-200	PF-17	9/21/23 12:48
M5PFPeA	122		50-200		9/21/23 12:48
M5PFHxA	75.9		50-200		9/21/23 12:48
M3PFHxS	94.7		50-200		9/21/23 12:48
M4PFHpA	78.0		50-200		9/21/23 12:48
M8PFOA	76.9		50-200		9/21/23 12:48
M8PFOS	92.2		50-200		9/21/23 12:48
M9PFNA	66.1		50-200		9/21/23 12:48
MPFDoA	63.2		50-200		9/21/23 12:48

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-POST GAC | Sampled: 9/6/2023 09:53

Sample ID: 23I0619-02

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.7	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluoropentanoic acid (PFPeA)	6.8	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluorohexanoic acid (PFHxA)	2.7	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 12:56	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	88.6		50-200		9/21/23 12:56
M2-8:2FTS	130		50-200		9/21/23 12:56
MPFBA	87.6		50-200		9/21/23 12:56
M3HFPO-DA	88.1		50-200		9/21/23 12:56
M6PFDA	69.3		50-200		9/21/23 12:56
M3PFBS	85.5		50-200		9/21/23 12:56
M7PFUnA	77.6		50-200		9/21/23 12:56
M2-6:2FTS	**303**	*	50-200	PF-17	9/21/23 12:56
M5PFPeA	93.2		50-200		9/21/23 12:56
M5PFHxA	73.2		50-200		9/21/23 12:56
M3PFHxS	89.3		50-200		9/21/23 12:56
M4PFHpA	74.1		50-200		9/21/23 12:56
M8PFOA	76.9		50-200		9/21/23 12:56
M8PFOS	87.9		50-200		9/21/23 12:56
M9PFNA	73.4		50-200		9/21/23 12:56
MPFDoA	81.4		50-200		9/21/23 12:56

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Project Location: New Windsor, NY Sample Description: Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-POST GAC DUP Sampled: 9/6/2023 09:54

Sample ID: 23I0619-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.6	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluoropentanoic acid (PFPeA)	6.4	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluorohexanoic acid (PFHxA)	2.2	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 13:04	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	92.4		50-200		9/21/23 13:04
M2-8:2FTS	114		50-200		9/21/23 13:04
MPFBA	101		50-200		9/21/23 13:04
M3HFPO-DA	106		50-200		9/21/23 13:04
M6PFDA	83.9		50-200		9/21/23 13:04
M3PFBS	93.1		50-200		9/21/23 13:04
M7PFUnA	87.8		50-200		9/21/23 13:04
M2-6:2FTS	**344**	*	50-200	PF-17	9/21/23 13:04
M5PFPeA	108		50-200		9/21/23 13:04
M5PFHxA	83.2		50-200		9/21/23 13:04
M3PFHxS	103		50-200		9/21/23 13:04
M4PFHpA	86.0		50-200		9/21/23 13:04
M8PFOA	92.8		50-200		9/21/23 13:04
M8PFOS	102		50-200		9/21/23 13:04
M9PFNA	88.0		50-200		9/21/23 13:04
MPFDoA	82.8		50-200		9/21/23 13:04

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-POST GAC MS/MSD | Sampled: 9/6/2023 09:55

Sample ID: 23I0619-04

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.7	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluoropentanoic acid (PFPeA)	6.5	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluorohexanoic acid (PFHxA)	2.3	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:23	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	75.1		50-200		9/15/23 12:23
M2-8:2FTS	137		50-200		9/15/23 12:23
MPFBA	85.0		50-200		9/15/23 12:23
M3HFPO-DA	77.7		50-200		9/15/23 12:23
M6PFDA	79.8		50-200		9/15/23 12:23
M3PFBS	81.8		50-200		9/15/23 12:23
M7PFUnA	80.8		50-200		9/15/23 12:23
M2-6:2FTS	**347**	*	50-200	PF-17	9/15/23 12:23
M5PFPeA	88.3		50-200		9/15/23 12:23
M5PFHxA	73.5		50-200		9/15/23 12:23
M3PFHxS	80.9		50-200		9/15/23 12:23
M4PFHpA	73.6		50-200		9/15/23 12:23
M8PFOA	93.0		50-200		9/15/23 12:23
M8PFOS	72.9		50-200		9/15/23 12:23
M9PFNA	65.4		50-200		9/15/23 12:23
MPFDoA	82.5		50-200		9/15/23 12:23

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-1N-25 | Sampled: 9/6/2023 10:09

Sample ID: 23I0619-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	10	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluoropentanoic acid (PFPeA)	9.2	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluorohexanoic acid (PFHxA)	3.8	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:30	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	86.3		50-200		9/15/23 12:30
M2-8:2FTS	124		50-200		9/15/23 12:30
MPFBA	79.2		50-200		9/15/23 12:30
M3HFPO-DA	70.4		50-200		9/15/23 12:30
M6PFDA	71.6		50-200		9/15/23 12:30
M3PFBS	82.6		50-200		9/15/23 12:30
M7PFUnA	63.3		50-200		9/15/23 12:30
M2-6:2FTS	**449**	*	50-200	PF-17	9/15/23 12:30
M5PFPeA	85.3		50-200		9/15/23 12:30
M5PFHxA	62.2		50-200		9/15/23 12:30
M3PFHxS	88.4		50-200		9/15/23 12:30
M4PFHpA	70.3		50-200		9/15/23 12:30
M8PFOA	73.9		50-200		9/15/23 12:30
M8PFOS	82.3		50-200		9/15/23 12:30
M9PFNA	52.4		50-200		9/15/23 12:30
MPFDoA	66.5		50-200		9/15/23 12:30

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-1N-50 | Sampled: 9/6/2023 10:10

Sample ID: 23I0619-06

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.6	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluoropentanoic acid (PFPeA)	8.1	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluorohexanoic acid (PFHxA)	3.0	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/14/23	9/15/23 12:37	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	89.4		50-200		9/15/23 12:37
M2-8:2FTS	142		50-200		9/15/23 12:37
MPFBA	85.6		50-200		9/15/23 12:37
M3HFPO-DA	65.4		50-200		9/15/23 12:37
M6PFDA	71.9		50-200		9/15/23 12:37
M3PFBS	88.7		50-200		9/15/23 12:37
M7PFUnA	75.5		50-200		9/15/23 12:37
M2-6:2FTS	**331**	*	50-200	PF-17	9/15/23 12:37
M5PFPeA	90.2		50-200		9/15/23 12:37
M5PFHxA	68.8		50-200		9/15/23 12:37
M3PFHxS	85.5		50-200		9/15/23 12:37
M4PFHpA	71.3		50-200		9/15/23 12:37
M8PFOA	80.5		50-200		9/15/23 12:37
M8PFOS	82.0		50-200		9/15/23 12:37
M9PFNA	60.6		50-200		9/15/23 12:37
MPFDoA	68.8		50-200		9/15/23 12:37

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-1N-75 | Sampled: 9/6/2023 10:11

Sample ID: 23I0619-07

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.6	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluoropentanoic acid (PFPeA)	7.2	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluorooctanoic acid (PFOA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L	1		EPA 533	9/14/23	9/15/23 12:45	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	67.5		50-200		9/15/23 12:45
M2-8:2FTS	103		50-200		9/15/23 12:45
MPFBA	69.0		50-200		9/15/23 12:45
M3HFPO-DA	53.8		50-200		9/15/23 12:45
M6PFDA	65.4		50-200		9/15/23 12:45
M3PFBS	71.3		50-200		9/15/23 12:45
M7PFUnA	60.0		50-200		9/15/23 12:45
M2-6:2FTS	**248**	*	50-200	PF-17	9/15/23 12:45
M5PFPeA	68.9		50-200		9/15/23 12:45
M5PFHxA	53.5		50-200		9/15/23 12:45
M3PFHxS	70.4		50-200		9/15/23 12:45
M4PFHpA	56.7		50-200		9/15/23 12:45
M8PFOA	59.7		50-200		9/15/23 12:45
M8PFOS	69.2		50-200		9/15/23 12:45
M9PFNA	52.3		50-200		9/15/23 12:45
MPFDoA	55.2		50-200		9/15/23 12:45

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-1POST | Sampled: 9/6/2023 10:14

Sample ID: 23I0619-08

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.9	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluoropentanoic acid (PFPeA)	6.0	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluorohexanoic acid (PFHxA)	2.1	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluorooctanoic acid (PFOA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L	1		EPA 533	9/8/23	9/21/23 13:42	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	93.2		50-200		9/21/23 13:42
M2-8:2FTS	106		50-200		9/21/23 13:42
MPFBA	95.2		50-200		9/21/23 13:42
M3HFPO-DA	111		50-200		9/21/23 13:42
M6PFDA	58.3		50-200		9/21/23 13:42
M3PFBS	91.6		50-200		9/21/23 13:42
M7PFUnA	63.4		50-200		9/21/23 13:42
M2-6:2FTS	**309**	*	50-200	PF-17	9/21/23 13:42
M5PFPeA	99.5		50-200		9/21/23 13:42
M5PFHxA	80.8		50-200		9/21/23 13:42
M3PFHxS	98.4		50-200		9/21/23 13:42
M4PFHpA	80.7		50-200		9/21/23 13:42
M8PFOA	80.4		50-200		9/21/23 13:42
M8PFOS	92.0		50-200		9/21/23 13:42
M9PFNA	67.4		50-200		9/21/23 13:42
MPFDoA	66.2		50-200		9/21/23 13:42

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-1S-25 | Sampled: 9/6/2023 10:17

Sample ID: 23I0619-09

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.5	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluorobutanesulfonic acid (PFBS)	2.5	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluoropentanoic acid (PFPeA)	9.2	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluorohexanoic acid (PFHxA)	5.0	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluorohexanesulfonic acid (PFHxS)	3.6	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluoroheptanoic acid (PFHpA)	2.1	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluorooctanoic acid (PFOA)	4.3	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluorooctanesulfonic acid (PFOS)	6.8	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	9/8/23	9/21/23 13:50	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	127		50-200		9/21/23 13:50
M2-8:2FTS	125		50-200		9/21/23 13:50
MPFBA	108		50-200		9/21/23 13:50
M3HFPO-DA	113		50-200		9/21/23 13:50
M6PFDA	93.2		50-200		9/21/23 13:50
M3PFBS	98.5		50-200		9/21/23 13:50
M7PFUnA	95.0		50-200		9/21/23 13:50
M2-6:2FTS	**365**	*	50-200	PF-17	9/21/23 13:50
M5PFPeA	130		50-200		9/21/23 13:50
M5PFHxA	93.5		50-200		9/21/23 13:50
M3PFHxS	110		50-200		9/21/23 13:50
M4PFHpA	98.3		50-200		9/21/23 13:50
M8PFOA	103		50-200		9/21/23 13:50
M8PFOS	109		50-200		9/21/23 13:50
M9PFNA	98.9		50-200		9/21/23 13:50
MPFDoA	94.7		50-200		9/21/23 13:50

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-1S-50 | Sampled: 9/6/2023 10:19

Sample ID: 23I0619-10

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.4	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluorobutanesulfonic acid (PFBS)	2.3	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluoropentanoic acid (PFPeA)	8.9	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluorohexanoic acid (PFHxA)	4.6	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluorohexanesulfonic acid (PFHxS)	2.9	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluoroheptanoic acid (PFHpA)	2.0	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluorooctanoic acid (PFOA)	3.3	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluorooctanesulfonic acid (PFOS)	4.8	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 13:58	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	129		50-200		9/21/23 13:58
M2-8:2FTS	124		50-200		9/21/23 13:58
MPFBA	109		50-200		9/21/23 13:58
M3HFPO-DA	104		50-200		9/21/23 13:58
M6PFDA	94.4		50-200		9/21/23 13:58
M3PFBS	94.6		50-200		9/21/23 13:58
M7PFUnA	99.3		50-200		9/21/23 13:58
M2-6:2FTS	**284**	*	50-200	PF-17	9/21/23 13:58
M5PFPeA	130		50-200		9/21/23 13:58
M5PFHxA	92.3		50-200		9/21/23 13:58
M3PFHxS	104		50-200		9/21/23 13:58
M4PFHpA	97.5		50-200		9/21/23 13:58
M8PFOA	99.7		50-200		9/21/23 13:58
M8PFOS	110		50-200		9/21/23 13:58
M9PFNA	98.2		50-200		9/21/23 13:58
MPFDoA	95.9		50-200		9/21/23 13:58

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-1S-75 | Sampled: 9/6/2023 10:21

Sample ID: 23I0619-11

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.9	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluorobutanesulfonic acid (PFBS)	1.9	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluoropentanoic acid (PFPeA)	7.5	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluorohexanoic acid (PFHxA)	3.7	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluorohexanesulfonic acid (PFHxS)	1.9	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluorooctanoic acid (PFOA)	2.3	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluorooctanesulfonic acid (PFOS)	2.6	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:05	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	111		50-200		9/21/23 14:05
M2-8:2FTS	121		50-200		9/21/23 14:05
MPFBA	97.9		50-200		9/21/23 14:05
M3HFPO-DA	98.7		50-200		9/21/23 14:05
M6PFDA	82.4		50-200		9/21/23 14:05
M3PFBS	88.2		50-200		9/21/23 14:05
M7PFUnA	83.3		50-200		9/21/23 14:05
M2-6:2FTS	**278**	*	50-200	PF-17	9/21/23 14:05
M5PFPeA	118		50-200		9/21/23 14:05
M5PFHxA	80.8		50-200		9/21/23 14:05
M3PFHxS	98.3		50-200		9/21/23 14:05
M4PFHpA	84.2		50-200		9/21/23 14:05
M8PFOA	90.9		50-200		9/21/23 14:05
M8PFOS	98.6		50-200		9/21/23 14:05
M9PFNA	85.6		50-200		9/21/23 14:05
MPFDoA	82.3		50-200		9/21/23 14:05

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-1 MID | Sampled: 9/6/2023 10:22

Sample ID: 23I0619-12

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.6	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluorobutanesulfonic acid (PFBS)	2.3	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluoropentanoic acid (PFPeA)	8.5	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluorohexanoic acid (PFHxA)	4.8	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluorohexanesulfonic acid (PFHxS)	3.1	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluoroheptanoic acid (PFHpA)	2.1	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluorooctanoic acid (PFOA)	3.2	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluorooctanesulfonic acid (PFOS)	3.4	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:21	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	107		50-200		9/21/23 14:21
M2-8:2FTS	103		50-200		9/21/23 14:21
MPFBA	99.6		50-200		9/21/23 14:21
M3HFPO-DA	103		50-200		9/21/23 14:21
M6PFDA	75.2		50-200		9/21/23 14:21
M3PFBS	88.7		50-200		9/21/23 14:21
M7PFUnA	77.1		50-200		9/21/23 14:21
M2-6:2FTS	**318**	*	50-200	PF-17	9/21/23 14:21
M5PFPeA	124		50-200		9/21/23 14:21
M5PFHxA	81.2		50-200		9/21/23 14:21
M3PFHxS	95.5		50-200		9/21/23 14:21
M4PFHpA	84.5		50-200		9/21/23 14:21
M8PFOA	86.9		50-200		9/21/23 14:21
M8PFOS	99.4		50-200		9/21/23 14:21
M9PFNA	82.9		50-200		9/21/23 14:21
MPFDoA	76.7		50-200		9/21/23 14:21

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-2N-25 | Sampled: 9/6/2023 10:25

Sample ID: 23I0619-13

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.2	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluoropentanoic acid (PFPeA)	8.3	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluorohexanoic acid (PFHxA)	3.4	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluorooctanoic acid (PFOA)	1.8	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:28	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	89.6		50-200		9/21/23 14:28
M2-8:2FTS	97.9		50-200		9/21/23 14:28
MPFBA	88.6		50-200		9/21/23 14:28
M3HFPO-DA	107		50-200		9/21/23 14:28
M6PFDA	74.0		50-200		9/21/23 14:28
M3PFBS	82.5		50-200		9/21/23 14:28
M7PFUnA	73.3		50-200		9/21/23 14:28
M2-6:2FTS	**254**	*	50-200	PF-17	9/21/23 14:28
M5PFPeA	98.0		50-200		9/21/23 14:28
M5PFHxA	76.3		50-200		9/21/23 14:28
M3PFHxS	88.7		50-200		9/21/23 14:28
M4PFHpA	76.9		50-200		9/21/23 14:28
M8PFOA	83.5		50-200		9/21/23 14:28
M8PFOS	92.1		50-200		9/21/23 14:28
M9PFNA	79.9		50-200		9/21/23 14:28
MPFDoA	70.6		50-200		9/21/23 14:28

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-2N-50 | Sampled: 9/6/2023 10:26

Sample ID: 23I0619-14

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.1	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluoropentanoic acid (PFPeA)	7.6	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluorohexanoic acid (PFHxA)	2.8	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 14:36	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	96.4		50-200		9/21/23 14:36
M2-8:2FTS	102		50-200		9/21/23 14:36
MPFBA	96.9		50-200		9/21/23 14:36
M3HFPO-DA	117		50-200		9/21/23 14:36
M6PFDA	72.9		50-200		9/21/23 14:36
M3PFBS	86.6		50-200		9/21/23 14:36
M7PFUnA	74.1		50-200		9/21/23 14:36
M2-6:2FTS	**229**	*	50-200	PF-17	9/21/23 14:36
M5PFPeA	103		50-200		9/21/23 14:36
M5PFHxA	83.4		50-200		9/21/23 14:36
M3PFHxS	94.4		50-200		9/21/23 14:36
M4PFHpA	83.2		50-200		9/21/23 14:36
M8PFOA	87.8		50-200		9/21/23 14:36
M8PFOS	88.1		50-200		9/21/23 14:36
M9PFNA	82.9		50-200		9/21/23 14:36
MPFDoA	67.8		50-200		9/21/23 14:36

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-2N-75 | Sampled: 9/6/2023 10:27

Sample ID: 23I0619-15

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.5	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluoropentanoic acid (PFPeA)	7.3	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:04	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	78.4		50-200		9/21/23 15:04
M2-8:2FTS	124		50-200		9/21/23 15:04
MPFBA	88.9		50-200		9/21/23 15:04
M3HFPO-DA	104		50-200		9/21/23 15:04
M6PFDA	78.0		50-200		9/21/23 15:04
M3PFBS	88.8		50-200		9/21/23 15:04
M7PFUnA	73.5		50-200		9/21/23 15:04
M2-6:2FTS	**282**	*	50-200	PF-17	9/21/23 15:04
M5PFPeA	95.3		50-200		9/21/23 15:04
M5PFHxA	75.3		50-200		9/21/23 15:04
M3PFHxS	99.1		50-200		9/21/23 15:04
M4PFHpA	76.5		50-200		9/21/23 15:04
M8PFOA	84.5		50-200		9/21/23 15:04
M8PFOS	91.8		50-200		9/21/23 15:04
M9PFNA	80.1		50-200		9/21/23 15:04
MPFDoA	72.6		50-200		9/21/23 15:04

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-2 POST | Sampled: 9/6/2023 10:29

Sample ID: 23I0619-16

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.4	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluoropentanoic acid (PFPeA)	6.4	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluorohexanoic acid (PFHxA)	2.2	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:11	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	87.0		50-200		9/21/23 15:11
M2-8:2FTS	114		50-200		9/21/23 15:11
MPFBA	94.7		50-200		9/21/23 15:11
M3HFPO-DA	113		50-200		9/21/23 15:11
M6PFDA	79.1		50-200		9/21/23 15:11
M3PFBS	91.0		50-200		9/21/23 15:11
M7PFUnA	88.1		50-200		9/21/23 15:11
M2-6:2FTS	**304**	*	50-200	PF-17	9/21/23 15:11
M5PFPeA	103		50-200		9/21/23 15:11
M5PFHxA	80.5		50-200		9/21/23 15:11
M3PFHxS	100		50-200		9/21/23 15:11
M4PFHpA	81.6		50-200		9/21/23 15:11
M8PFOA	90.0		50-200		9/21/23 15:11
M8PFOS	99.2		50-200		9/21/23 15:11
M9PFNA	83.1		50-200		9/21/23 15:11
MPFDoA	87.3		50-200		9/21/23 15:11

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-2S-25 | Sampled: 9/6/2023 10:33

Sample ID: 23I0619-17

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.2	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluorobutanesulfonic acid (PFBS)	2.2	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluoropentanoic acid (PFPeA)	11	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluorohexanoic acid (PFHxA)	4.3	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluorohexanesulfonic acid (PFHxS)	2.9	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluorooctanoic acid (PFOA)	3.0	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluorooctanesulfonic acid (PFOS)	4.9	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:19	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	117		50-200		9/21/23 15:19
M2-8:2FTS	114		50-200		9/21/23 15:19
MPFBA	98.1		50-200		9/21/23 15:19
M3HFPO-DA	105		50-200		9/21/23 15:19
M6PFDA	80.1		50-200		9/21/23 15:19
M3PFBS	90.2		50-200		9/21/23 15:19
M7PFUnA	80.5		50-200		9/21/23 15:19
M2-6:2FTS	**313**	*	50-200	PF-17	9/21/23 15:19
M5PFPeA	123		50-200		9/21/23 15:19
M5PFHxA	80.6		50-200		9/21/23 15:19
M3PFHxS	104		50-200		9/21/23 15:19
M4PFHpA	84.7		50-200		9/21/23 15:19
M8PFOA	93.0		50-200		9/21/23 15:19
M8PFOS	102		50-200		9/21/23 15:19
M9PFNA	86.0		50-200		9/21/23 15:19
MPFDoA	81.4		50-200		9/21/23 15:19

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-2S-50 | Sampled: 9/6/2023 10:34

Sample ID: 23I0619-18

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.2	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluoropentanoic acid (PFPeA)	7.1	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluorohexanoic acid (PFHxA)	3.1	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluorooctanoic acid (PFOA)	2.0	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluorooctanesulfonic acid (PFOS)	3.6	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	9/25/23	9/26/23 15:53	JR2

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	120	50-200		9/26/23 15:53
M2-8:2FTS	119	50-200		9/26/23 15:53
MPFBA	93.8	50-200		9/26/23 15:53
M3HFPO-DA	98.4	50-200		9/26/23 15:53
M6PFDA	68.7	50-200		9/26/23 15:53
M3PFBS	89.4	50-200		9/26/23 15:53
M7PFUnA	60.6	50-200		9/26/23 15:53
M2-6:2FTS	184	50-200		9/26/23 15:53
M5PFPeA	108	50-200		9/26/23 15:53
M5PFHxA	79.8	50-200		9/26/23 15:53
M3PFHxS	95.9	50-200		9/26/23 15:53
M4PFHpA	78.1	50-200		9/26/23 15:53
M8PFOA	85.6	50-200		9/26/23 15:53
M8PFOS	70.8	50-200		9/26/23 15:53
M9PFNA	76.9	50-200		9/26/23 15:53
MPFDoA	68.8	50-200		9/26/23 15:53

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-2S-75 | Sampled: 9/6/2023 10:35

Sample ID: 23I0619-19

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.3	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluoropentanoic acid (PFPeA)	7.0	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluorohexanoic acid (PFHxA)	3.0	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluorooctanoic acid (PFOA)	1.9	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluorooctanesulfonic acid (PFOS)	2.5	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/8/23	9/21/23 15:35	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	106		50-200		9/21/23 15:35
M2-8:2FTS	115		50-200		9/21/23 15:35
MPFBA	96.7		50-200		9/21/23 15:35
M3HFPO-DA	114		50-200		9/21/23 15:35
M6PFDA	84.1		50-200		9/21/23 15:35
M3PFBS	89.3		50-200		9/21/23 15:35
M7PFUnA	80.3		50-200		9/21/23 15:35
M2-6:2FTS	**280**	*	50-200	PF-17	9/21/23 15:35
M5PFPeA	114		50-200		9/21/23 15:35
M5PFHxA	82.2		50-200		9/21/23 15:35
M3PFHxS	103		50-200		9/21/23 15:35
M4PFHpA	86.1		50-200		9/21/23 15:35
M8PFOA	92.1		50-200		9/21/23 15:35
M8PFOS	106		50-200		9/21/23 15:35
M9PFNA	90.3		50-200		9/21/23 15:35
MPFDoA	83.7		50-200		9/21/23 15:35

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0619

Date Received: 9/7/2023

Field Sample #: BH20230906-2 MID | Sampled: 9/6/2023 10:36

Sample ID: 23I0619-20

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.7	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluorobutanesulfonic acid (PFBS)	2.6	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluoropentanoic acid (PFPeA)	9.2	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluorohexanoic acid (PFHxA)	5.0	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluorohexanesulfonic acid (PFHxS)	3.2	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluoroheptanoic acid (PFHpA)	2.2	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluorooctanoic acid (PFOA)	3.6	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluorooctanesulfonic acid (PFOS)	4.2	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/8/23	9/21/23 15:42	JR2

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	88.6		50-200		9/21/23 15:42
M2-8:2FTS	100		50-200		9/21/23 15:42
MPFBA	84.6		50-200		9/21/23 15:42
M3HFPO-DA	89.0		50-200		9/21/23 15:42
M6PFDA	72.8		50-200		9/21/23 15:42
M3PFBS	73.9		50-200		9/21/23 15:42
M7PFUnA	76.6		50-200		9/21/23 15:42
M2-6:2FTS	**276**	*	50-200	PF-17	9/21/23 15:42
M5PFPeA	101		50-200		9/21/23 15:42
M5PFHxA	68.9		50-200		9/21/23 15:42
M3PFHxS	85.1		50-200		9/21/23 15:42
M4PFHpA	70.9		50-200		9/21/23 15:42
M8PFOA	78.6		50-200		9/21/23 15:42
M8PFOS	84.0		50-200		9/21/23 15:42
M9PFNA	72.2		50-200		9/21/23 15:42
MPFDoA	75.0		50-200		9/21/23 15:42

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Sample Extraction Data

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23I0619-01 [BH20230906-PRE GAC]	B351486	263	1.00	09/08/23
23I0619-02 [BH20230906-POST GAC]	B351486	263	1.00	09/08/23
23I0619-03 [BH20230906-POST GAC DUP]	B351486	281	1.00	09/08/23
23I0619-08 [BH20230906-1POST]	B351486	293	1.00	09/08/23
23I0619-09 [BH20230906-1S-25]	B351486	249	1.00	09/08/23
23I0619-10 [BH20230906-1S-50]	B351486	261	1.00	09/08/23
23I0619-11 [BH20230906-1S-75]	B351486	271	1.00	09/08/23
23I0619-12 [BH20230906-1 MID]	B351486	278	1.00	09/08/23
23I0619-13 [BH20230906-2N-25]	B351486	283	1.00	09/08/23
23I0619-14 [BH20230906-2N-50]	B351486	278	1.00	09/08/23
23I0619-15 [BH20230906-2N-75]	B351486	264	1.00	09/08/23
23I0619-16 [BH20230906-2 POST]	B351486	279	1.00	09/08/23
23I0619-17 [BH20230906-2S-25]	B351486	270	1.00	09/08/23
23I0619-19 [BH20230906-2S-75]	B351486	269	1.00	09/08/23
23I0619-20 [BH20230906-2 MID]	B351486	273	1.00	09/08/23

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23I0619-04 [BH20230906-POST GAC MS/MSD]	B351487	277	1.00	09/14/23
23I0619-05 [BH20230906-1N-25]	B351487	271	1.00	09/14/23
23I0619-06 [BH20230906-1N-50]	B351487	281	1.00	09/14/23
23I0619-07 [BH20230906-1N-75]	B351487	288	1.00	09/14/23

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23I0619-18RE1 [BH20230906-2S-50]	B352833	250	1.00	09/25/23

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B351486 - EPA 533												
Blank (B351486-BLK1)					Prepared: 09/08/23 Analyzed: 09/21/23							
Perfluorobutanoic acid (PFBA)	ND	2.0		ng/L								
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L								
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L								
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L								
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L								
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L								
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L								
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0		ng/L								
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L								
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L								
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L								
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0		ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L								
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0		ng/L								
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0		ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L								
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L								
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L								
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L								
Surrogate: M2-4:2FTS	*31.5*			ng/L	37.3		84.5		50-200			
Surrogate: M2-8:2FTS	*35.1*			ng/L	38.1		92.1		50-200			
Surrogate: MPFBA	*38.7*			ng/L	39.7		97.4		50-200			
Surrogate: M3HFPO-DA	*44.5*			ng/L	39.7		112		50-200			
Surrogate: M6PFDA	*31.9*			ng/L	39.7		80.4		50-200			
Surrogate: M3PFBS	*35.7*			ng/L	37.0		96.3		50-200			
Surrogate: M7PFUnA	*34.2*			ng/L	39.7		86.1		50-200			
Surrogate: M2-6:2FTS	*116*			ng/L	37.8		**306**	*	50-200			PF-17
Surrogate: M5PFPeA	*39.3*			ng/L	39.7		98.8		50-200			
Surrogate: M5PFHxA	*34.3*			ng/L	39.7		86.3		50-200			
Surrogate: M3PFHxS	*37.0*			ng/L	37.7		98.3		50-200			
Surrogate: M4PFHpA	*34.3*			ng/L	39.7		86.3		50-200			
Surrogate: M8PFOA	*37.4*			ng/L	39.7		94.3		50-200			
Surrogate: M8PFOS	*37.6*			ng/L	38.1		98.8		50-200			
Surrogate: M9PFNA	*35.7*			ng/L	39.7		89.9		50-200			
Surrogate: MPFDoA	*33.0*			ng/L	39.7		83.0		50-200			
LCS (B351486-BS1)					Prepared: 09/08/23 Analyzed: 09/21/23							
Perfluorobutanoic acid (PFBA)	22.4	1.9		ng/L	19.2		117		70-130			
Perfluorobutanesulfonic acid (PFBS)	19.5	1.9		ng/L	17.0		114		70-130			
Perfluoropentanoic acid (PFPeA)	22.1	1.9		ng/L	19.2		115		70-130			
Perfluorohexanoic acid (PFHxA)	21.9	1.9		ng/L	19.2		114		70-130			
11Cl-PF3OUdS (F53B Major)	19.3	1.9		ng/L	18.1		106		70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B351486 - EPA 533												
LCS (B351486-BS1)					Prepared: 09/08/23 Analyzed: 09/21/23							
9Cl-PF3ONS (F53B Minor)	17.2	1.9		ng/L	17.9		96.2		70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	17.2	1.9		ng/L	18.1		94.9		70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	15.6	1.9		ng/L	19.2		81.0		70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	22.2	1.9		ng/L	18.4		120		70-130			
Perfluorodecanoic acid (PFDA)	22.2	1.9		ng/L	19.2		116		70-130			
Perfluorododecanoic acid (PFDoA)	21.7	1.9		ng/L	19.2		113		70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	21.5	1.9		ng/L	17.1		126		70-130			
Perfluoroheptanesulfonic acid (PFHpS)	20.8	1.9		ng/L	18.4		113		70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	21.0	1.9		ng/L	18.0		117		70-130			
Perfluorohexanesulfonic acid (PFHxS)	20.4	1.9		ng/L	17.6		116		70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	23.4	1.9		ng/L	19.2		122		70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	20.7	1.9		ng/L	19.2		108		70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	21.4	1.9		ng/L	18.3		117		70-130			
Perfluoropentanesulfonic acid (PFPeS)	20.0	1.9		ng/L	18.1		111		70-130			
Perfluoroundecanoic acid (PFUnA)	23.0	1.9		ng/L	19.2		120		70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	22.5	1.9		ng/L	19.2		117		70-130			
Perfluoroheptanoic acid (PFHpA)	21.1	1.9		ng/L	19.2		110		70-130			
Perfluorooctanoic acid (PFOA)	23.0	1.9		ng/L	19.2		120		70-130			
Perfluorooctanesulfonic acid (PFOS)	19.9	1.9		ng/L	17.8		112		70-130			
Perfluorononanoic acid (PFNA)	23.0	1.9		ng/L	19.2		120		70-130			
Surrogate: M2-4:2FTS	*36.7*			ng/L	36.0		102		50-200			
Surrogate: M2-8:2FTS	*42.4*			ng/L	36.9		115		50-200			
Surrogate: MPFBA	*38.9*			ng/L	38.4		101		50-200			
Surrogate: M3HFPO-DA	*51.3*			ng/L	38.4		133		50-200			
Surrogate: M6PFDA	*34.9*			ng/L	38.4		90.9		50-200			
Surrogate: M3PFBS	*34.2*			ng/L	35.8		95.6		50-200			
Surrogate: M7PFUnA	*35.9*			ng/L	38.4		93.4		50-200			
Surrogate: M2-6:2FTS	*106*			ng/L	36.5		**289**	*	50-200			S-29
Surrogate: M5PFPeA	*38.7*			ng/L	38.4		101		50-200			
Surrogate: M5PFHxA	*34.5*			ng/L	38.4		89.8		50-200			
Surrogate: M3PFHxS	*37.3*			ng/L	36.4		102		50-200			
Surrogate: M4PFHpA	*35.1*			ng/L	38.4		91.4		50-200			
Surrogate: M8PFOA	*36.7*			ng/L	38.4		95.6		50-200			
Surrogate: M8PFOS	*37.9*			ng/L	36.9		103		50-200			
Surrogate: M9PFNA	*36.7*			ng/L	38.4		95.6		50-200			
Surrogate: MPFDoA	*35.1*			ng/L	38.4		91.3		50-200			
LCS Dup (B351486-BSD1)					Prepared: 09/08/23 Analyzed: 09/21/23							
Perfluorobutanoic acid (PFBA)	21.4	2.0		ng/L	19.8		108		70-130	4.70	30	
Perfluorobutanesulfonic acid (PFBS)	18.4	2.0		ng/L	17.5		105		70-130	5.54	30	
Perfluoropentanoic acid (PFPeA)	20.7	2.0		ng/L	19.8		104		70-130	6.80	30	
Perfluorohexanoic acid (PFHxA)	21.0	2.0		ng/L	19.8		106		70-130	4.64	30	
11Cl-PF3OUdS (F53B Major)	19.1	2.0		ng/L	18.6		102		70-130	0.981	30	
9Cl-PF3ONS (F53B Minor)	16.5	2.0		ng/L	18.4		89.2		70-130	4.55	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	16.4	2.0		ng/L	18.6		88.1		70-130	4.57	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	15.1	2.0		ng/L	19.8		76.2		70-130	3.08	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	20.8	2.0		ng/L	19.0		110		70-130	6.55	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B351486 - EPA 533												
LCS Dup (B351486-BSD1)					Prepared: 09/08/23 Analyzed: 09/21/23							
Perfluorodecanoic acid (PFDA)	23.0	2.0		ng/L	19.8		116		70-130	3.49	30	
Perfluorododecanoic acid (PFDoA)	19.4	2.0		ng/L	19.8		98.0		70-130	11.2	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	20.1	2.0		ng/L	17.6		114		70-130	6.76	30	
Perfluoroheptanesulfonic acid (PFHpS)	20.1	2.0		ng/L	18.9		106		70-130	3.30	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	19.6	2.0		ng/L	18.5		106		70-130	6.66	30	
Perfluorohexanesulfonic acid (PFHxS)	18.7	2.0		ng/L	18.1		103		70-130	8.64	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	21.6	2.0		ng/L	19.8		109		70-130	8.13	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	19.4	2.0		ng/L	19.8		98.0		70-130	6.71	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	22.6	2.0		ng/L	18.8		120		70-130	5.36	30	
Perfluoropentanesulfonic acid (PFPeS)	18.6	2.0		ng/L	18.6		100		70-130	7.20	30	
Perfluoroundecanoic acid (PFUnA)	20.7	2.0		ng/L	19.8		105		70-130	10.6	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	20.5	2.0		ng/L	19.8		104		70-130	9.31	30	
Perfluoroheptanoic acid (PFHpA)	20.8	2.0		ng/L	19.8		105		70-130	1.28	30	
Perfluorooctanoic acid (PFOA)	21.4	2.0		ng/L	19.8		108		70-130	7.34	30	
Perfluorooctanesulfonic acid (PFOS)	20.1	2.0		ng/L	18.3		110		70-130	0.723	30	
Perfluorononanoic acid (PFNA)	22.2	2.0		ng/L	19.8		112		70-130	3.60	30	
Surrogate: M2-4:2FTS	*38.4*			ng/L	37.1		103		50-200			
Surrogate: M2-8:2FTS	*37.6*			ng/L	38.0		98.9		50-200			
Surrogate: MPFBA	*45.9*			ng/L	39.6		116		50-200			
Surrogate: M3HFPO-DA	*49.9*			ng/L	39.6		126		50-200			
Surrogate: M6PFDA	*36.4*			ng/L	39.6		92.0		50-200			
Surrogate: M3PFBS	*41.0*			ng/L	36.9		111		50-200			
Surrogate: M7PFUnA	*39.1*			ng/L	39.6		98.8		50-200			
Surrogate: M2-6:2FTS	*126*			ng/L	37.6		**333**	*	50-200			S-29
Surrogate: M5PFPeA	*46.2*			ng/L	39.6		117		50-200			
Surrogate: M5PFHxA	*39.4*			ng/L	39.6		99.5		50-200			
Surrogate: M3PFHxS	*45.2*			ng/L	37.5		120		50-200			
Surrogate: M4PFHpA	*40.7*			ng/L	39.6		103		50-200			
Surrogate: M8PFOA	*44.1*			ng/L	39.6		111		50-200			
Surrogate: M8PFOS	*42.8*			ng/L	38.0		113		50-200			
Surrogate: M9PFNA	*39.8*			ng/L	39.6		101		50-200			
Surrogate: MPFDoA	*39.0*			ng/L	39.6		98.5		50-200			
Batch B351487 - EPA 533												
Blank (B351487-BLK1)					Prepared: 09/14/23 Analyzed: 09/15/23							
Perfluorobutanoic acid (PFBA)	ND	1.8		ng/L								
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L								
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L								
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L								
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L								
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L								
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L								
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L								
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L								
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L								
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L								

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B351487 - EPA 533												
Blank (B351487-BLK1)					Prepared: 09/14/23 Analyzed: 09/15/23							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L								
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L								
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L								
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L								
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L								
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L								
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L								
Surrogate: M2-4:2FTS	*35.0*			ng/L	34.3		102		50-200			
Surrogate: M2-8:2FTS	*60.8*			ng/L	35.1		173		50-200			
Surrogate: MPFBA	*30.1*			ng/L	36.6		82.3		50-200			
Surrogate: M3HFPO-DA	*29.8*			ng/L	36.6		81.5		50-200			
Surrogate: M6PFDA	*30.8*			ng/L	36.6		84.1		50-200			
Surrogate: M3PFBS	*30.5*			ng/L	34.1		89.3		50-200			
Surrogate: M7PFUnA	*28.0*			ng/L	36.6		76.5		50-200			
Surrogate: M2-6:2FTS	*156*			ng/L	34.8		**448**	*	50-200			PF-17
Surrogate: M5PFPeA	*30.5*			ng/L	36.6		83.5		50-200			
Surrogate: M5PFHxA	*26.4*			ng/L	36.6		72.3		50-200			
Surrogate: M3PFHxS	*31.5*			ng/L	34.7		90.8		50-200			
Surrogate: M4PFHpA	*25.6*			ng/L	36.6		70.1		50-200			
Surrogate: M8PFOA	*31.0*			ng/L	36.6		84.7		50-200			
Surrogate: M8PFOS	*30.1*			ng/L	35.1		85.9		50-200			
Surrogate: M9PFNA	*22.6*			ng/L	36.6		61.8		50-200			
Surrogate: MPFDoA	*27.6*			ng/L	36.6		75.4		50-200			
LCS (B351487-BS1)					Prepared: 09/14/23 Analyzed: 09/15/23							
Perfluorobutanoic acid (PFBA)	2.18	1.8		ng/L	1.77		124		50-150			
Perfluorobutanesulfonic acid (PFBS)	1.67	1.8		ng/L	1.56		107		50-150			
Perfluoropentanoic acid (PFPeA)	1.86	1.8		ng/L	1.77		105		50-150			
Perfluorohexanoic acid (PFHxA)	1.84	1.8		ng/L	1.77		104		50-150			
11Cl-PF3OUdS (F53B Major)	2.16	1.8		ng/L	1.66		130		50-150			
9Cl-PF3ONS (F53B Minor)	1.67	1.8		ng/L	1.65		101		50-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.73	1.8		ng/L	1.66		104		50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.19	1.8		ng/L	1.77		67.4		50-150			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	2.03	1.8		ng/L	1.70		120		50-150			
Perfluorodecanoic acid (PFDA)	1.60	1.8		ng/L	1.77		90.7		50-150			
Perfluorododecanoic acid (PFDoA)	1.72	1.8		ng/L	1.77		97.1		50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.66	1.8		ng/L	1.57		105		50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.97	1.8		ng/L	1.69		117		50-150			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.70	1.8		ng/L	1.65		103		50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.58	1.8		ng/L	1.62		97.5		50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.85	1.8		ng/L	1.77		105		50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.64	1.8		ng/L	1.77		92.6		50-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B351487 - EPA 533												
LCS (B351487-BS1)					Prepared: 09/14/23 Analyzed: 09/15/23							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.84	1.8		ng/L	1.68		110		50-150			
Perfluoropentanesulfonic acid (PFPeS)	1.33	1.8		ng/L	1.66		80.3		50-150			
Perfluoroundecanoic acid (PFUnA)	2.12	1.8		ng/L	1.77		120		50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.87	1.8		ng/L	1.77		106		50-150			
Perfluoroheptanoic acid (PFHpA)	1.90	1.8		ng/L	1.77		107		50-150			
Perfluorooctanoic acid (PFOA)	2.38	1.8		ng/L	1.77		135		50-150			
Perfluorooctanesulfonic acid (PFOS)	1.71	1.8		ng/L	1.63		105		50-150			
Perfluorononanoic acid (PFNA)	1.94	1.8		ng/L	1.77		110		50-150			
Surrogate: M2-4:2FTS	*32.2*			ng/L	33.1		97.3		50-200			
Surrogate: M2-8:2FTS	*45.5*			ng/L	33.9		134		50-200			
Surrogate: MPFBA	*29.9*			ng/L	35.3		84.6		50-200			
Surrogate: M3HFPO-DA	*26.5*			ng/L	35.3		75.1		50-200			
Surrogate: M6PFDA	*27.7*			ng/L	35.3		78.3		50-200			
Surrogate: M3PFBS	*29.7*			ng/L	32.9		90.2		50-200			
Surrogate: M7PFUnA	*24.7*			ng/L	35.3		70.0		50-200			
Surrogate: M2-6:2FTS	*161*			ng/L	33.6		**478**	*	50-200			S-29
Surrogate: M5PFPeA	*29.2*			ng/L	35.3		82.6		50-200			
Surrogate: M5PFHxA	*24.6*			ng/L	35.3		69.6		50-200			
Surrogate: M3PFHxS	*31.0*			ng/L	33.5		92.4		50-200			
Surrogate: M4PFHpA	*24.5*			ng/L	35.3		69.2		50-200			
Surrogate: M8PFOA	*29.0*			ng/L	35.3		82.0		50-200			
Surrogate: M8PFOS	*25.8*			ng/L	33.9		76.1		50-200			
Surrogate: M9PFNA	*20.3*			ng/L	35.3		57.4		50-200			
Surrogate: MPFDoA	*25.3*			ng/L	35.3		71.7		50-200			
Matrix Spike (B351487-MS1)		**Source: 23I0619-04**			Prepared: 09/14/23 Analyzed: 09/15/23							
Perfluorobutanoic acid (PFBA)	11.2	1.9		ng/L	1.89	8.72	133		50-150			
Perfluorobutanesulfonic acid (PFBS)	2.80	1.9		ng/L	1.67	0.963	110		50-150			
Perfluoropentanoic acid (PFPeA)	8.75	1.9		ng/L	1.89	6.53	117		50-150			
Perfluorohexanoic acid (PFHxA)	4.52	1.9		ng/L	1.89	2.30	117		50-150			
11Cl-PF3OUdS (F53B Major)	2.22	1.9		ng/L	1.78	ND	125		50-150			
9Cl-PF3ONS (F53B Minor)	1.80	1.9		ng/L	1.76	ND	102		50-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.63	1.9		ng/L	1.78	ND	91.4		50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.61	1.9		ng/L	1.89	ND	85.1		50-150			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.67	1.9		ng/L	1.82	ND	91.8		50-150			
Perfluorodecanoic acid (PFDA)	1.99	1.9		ng/L	1.89	ND	105		50-150			
Perfluorododecanoic acid (PFDoA)	2.07	1.9		ng/L	1.89	ND	109		50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.88	1.9		ng/L	1.68	ND	112		50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.91	1.9		ng/L	1.81	ND	106		50-150			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.88	1.9		ng/L	1.77	ND	106		50-150			
Perfluorohexanesulfonic acid (PFHxS)	2.18	1.9		ng/L	1.73	ND	126		50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.97	1.9		ng/L	1.89	ND	104		50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.73	1.9		ng/L	1.89	ND	91.5		50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.54	1.9		ng/L	1.80	ND	85.4		50-150			
Perfluoropentanesulfonic acid (PFPeS)	1.80	1.9		ng/L	1.78	ND	101		50-150			
Perfluoroundecanoic acid (PFUnA)	1.65	1.9		ng/L	1.89	ND	87.3		50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.03	1.9		ng/L	1.89	ND	107		50-150			
Perfluoroheptanoic acid (PFHpA)	2.58	1.9		ng/L	1.89	ND	137		50-150			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B351487 - EPA 533												
Matrix Spike (B351487-MS1)	**Source: 23I0619-04**				Prepared: 09/14/23 Analyzed: 09/15/23							
Perfluorooctanoic acid (PFOA)	3.04	1.9		ng/L	1.89	0.939	111		50-150			
Perfluorooctanesulfonic acid (PFOS)	2.13	1.9		ng/L	1.75	ND	122		50-150			
Perfluorononanoic acid (PFNA)	1.62	1.9		ng/L	1.89	ND	85.5		50-150			
Surrogate: M2-4:2FTS	*31.8*			ng/L	35.5		89.5		50-200			
Surrogate: M2-8:2FTS	*43.0*			ng/L	36.3		118		50-200			
Surrogate: MPFBA	*30.2*			ng/L	37.8		79.7		50-200			
Surrogate: M3HFPO-DA	*25.4*			ng/L	37.8		67.0		50-200			
Surrogate: M6PFDA	*26.5*			ng/L	37.8		70.1		50-200			
Surrogate: M3PFBS	*30.2*			ng/L	35.3		85.7		50-200			
Surrogate: M7PFUnA	*24.8*			ng/L	37.8		65.5		50-200			
Surrogate: M2-6:2FTS	*150*			ng/L	36.0		**416**	*	50-200			S-29
Surrogate: M5PFPeA	*30.8*			ng/L	37.8		81.4		50-200			
Surrogate: M5PFHxA	*23.8*			ng/L	37.8		62.9		50-200			
Surrogate: M3PFHxS	*29.9*			ng/L	35.9		83.4		50-200			
Surrogate: M4PFHpA	*26.2*			ng/L	37.8		69.1		50-200			
Surrogate: M8PFOA	*28.0*			ng/L	37.8		74.1		50-200			
Surrogate: M8PFOS	*27.5*			ng/L	36.3		75.7		50-200			
Surrogate: M9PFNA	*21.3*			ng/L	37.8		56.4		50-200			
Surrogate: MPFDoA	*22.7*			ng/L	37.8		59.9		50-200			
Matrix Spike Dup (B351487-MSD1)	**Source: 23I0619-04**				Prepared: 09/14/23 Analyzed: 09/15/23							
Perfluorobutanoic acid (PFBA)	11.1	1.9		ng/L	1.91	8.72	122		50-150	1.71	50	
Perfluorobutanesulfonic acid (PFBS)	2.78	1.9		ng/L	1.69	0.963	108		50-150	0.930	50	
Perfluoropentanoic acid (PFPeA)	8.71	1.9		ng/L	1.91	6.53	114		50-150	0.419	50	
Perfluorohexanoic acid (PFHxA)	4.41	1.9		ng/L	1.91	2.30	111		50-150	2.38	50	
11Cl-PF3OUdS (F53B Major)	1.97	1.9		ng/L	1.80	ND	110		50-150	11.9	50	
9Cl-PF3ONS (F53B Minor)	1.71	1.9		ng/L	1.78	ND	96.2		50-150	4.99	50	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.61	1.9		ng/L	1.80	ND	89.6		50-150	1.29	50	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.96	1.9		ng/L	1.91	ND	103		50-150	19.4	50	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.71	1.9		ng/L	1.83	ND	93.2		50-150	2.18	50	
Perfluorodecanoic acid (PFDA)	1.84	1.9		ng/L	1.91	ND	96.7		50-150	7.84	50	
Perfluorododecanoic acid (PFDoA)	2.03	1.9		ng/L	1.91	ND	106		50-150	1.92	50	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.81	1.9		ng/L	1.70	ND	107		50-150	3.86	50	
Perfluoroheptanesulfonic acid (PFHpS)	2.13	1.9		ng/L	1.82	ND	117		50-150	10.8	50	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.85	1.9		ng/L	1.78	ND	104		50-150	1.58	50	
Perfluorohexanesulfonic acid (PFHxS)	2.07	1.9		ng/L	1.74	ND	119		50-150	5.15	50	
Perfluoro-4-oxapentanoic acid (PFMPA)	1.95	1.9		ng/L	1.91	ND	103		50-150	0.755	50	
Perfluoro-5-oxahexanoic acid (PFMBA)	1.63	1.9		ng/L	1.91	ND	85.5		50-150	6.08	50	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.92	1.9		ng/L	1.81	ND	106		50-150	22.1	50	
Perfluoropentanesulfonic acid (PFPeS)	1.75	1.9		ng/L	1.79	ND	97.4		50-150	2.80	50	
Perfluoroundecanoic acid (PFUnA)	1.98	1.9		ng/L	1.91	ND	104		50-150	17.9	50	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.97	1.9		ng/L	1.91	ND	103		50-150	2.89	50	
Perfluoroheptanoic acid (PFHpA)	2.57	1.9		ng/L	1.91	ND	135		50-150	0.509	50	
Perfluorooctanoic acid (PFOA)	2.86	1.9		ng/L	1.91	0.939	101		50-150	6.04	50	
Perfluorooctanesulfonic acid (PFOS)	2.08	1.9		ng/L	1.76	ND	118		50-150	2.25	50	
Perfluorononanoic acid (PFNA)	1.98	1.9		ng/L	1.91	ND	104		50-150	20.0	50	
Surrogate: M2-4:2FTS	*32.9*			ng/L	35.8		92.1		50-200			
Surrogate: M2-8:2FTS	*53.7*			ng/L	36.6		147		50-200			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B351487 - EPA 533												
Matrix Spike Dup (B351487-MSD1)	**Source: 23I0619-04**				Prepared: 09/14/23 Analyzed: 09/15/23							
Surrogate: MPFBA	*31.6*			ng/L	38.1		82.8		50-200			
Surrogate: M3HFPO-DA	*28.4*			ng/L	38.1		74.6		50-200			
Surrogate: M6PFDA	*31.5*			ng/L	38.1		82.7		50-200			
Surrogate: M3PFBS	*33.7*			ng/L	35.5		95.0		50-200			
Surrogate: M7PFUnA	*29.8*			ng/L	38.1		78.3		50-200			
Surrogate: M2-6:2FTS	*138*			ng/L	36.2		**379**	*	50-200			S-29
Surrogate: M5PFPeA	*33.4*			ng/L	38.1		87.7		50-200			
Surrogate: M5PFHxA	*27.8*			ng/L	38.1		73.0		50-200			
Surrogate: M3PFHxS	*34.0*			ng/L	36.1		94.2		50-200			
Surrogate: M4PFHpA	*29.5*			ng/L	38.1		77.3		50-200			
Surrogate: M8PFOA	*31.8*			ng/L	38.1		83.5		50-200			
Surrogate: M8PFOS	*34.0*			ng/L	36.6		93.0		50-200			
Surrogate: M9PFNA	*23.5*			ng/L	38.1		61.6		50-200			
Surrogate: MPFDoA	*28.7*			ng/L	38.1		75.4		50-200			
Batch B352833 - EPA 533												
Blank (B352833-BLK1)					Prepared: 09/25/23 Analyzed: 09/26/23							
Perfluorobutanoic acid (PFBA)	ND	2.0		ng/L								
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L								
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L								
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L								
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L								
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L								
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L								
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L								
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0		ng/L								
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L								
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L								
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L								
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L								
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0		ng/L								
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L								
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L								
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L								
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0		ng/L								
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0		ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L								
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L								
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L								
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L								
Surrogate: M2-4:2FTS	*27.9*			ng/L	37.8		73.8		50-200			
Surrogate: M2-8:2FTS	*71.4*			ng/L	38.7		184		50-200			
Surrogate: MPFBA	*40.0*			ng/L	40.3		99.1		50-200			
Surrogate: M3HFPO-DA	*53.7*			ng/L	40.3		133		50-200			
Surrogate: M6PFDA	*40.4*			ng/L	40.3		100		50-200			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B352833 - EPA 533											
Blank (B352833-BLK1)					Prepared: 09/25/23 Analyzed: 09/26/23						
Surrogate: M3PFBS	*36.7*			ng/L	37.6		97.6	50-200			
Surrogate: M7PFUnA	*40.1*			ng/L	40.3		99.4	50-200			
Surrogate: M2-6:2FTS	*54.5*			ng/L	38.4		142	50-200			
Surrogate: M5PFPeA	*40.6*			ng/L	40.3		101	50-200			
Surrogate: M5PFHxA	*36.8*			ng/L	40.3		91.3	50-200			
Surrogate: M3PFHxS	*39.0*			ng/L	38.2		102	50-200			
Surrogate: M4PFHpA	*37.0*			ng/L	40.3		91.6	50-200			
Surrogate: M8PFOA	*39.6*			ng/L	40.3		98.2	50-200			
Surrogate: M8PFOS	*38.7*			ng/L	38.7		100	50-200			
Surrogate: M9PFNA	*41.1*			ng/L	40.3		102	50-200			
Surrogate: MPFDoA	*38.7*			ng/L	40.3		95.9	50-200			
LCS (B352833-BS1)					Prepared: 09/25/23 Analyzed: 09/26/23						
Perfluorobutanoic acid (PFBA)	9.82	1.9		ng/L	9.71		101	70-130			
Perfluorobutanesulfonic acid (PFBS)	8.14	1.9		ng/L	8.60		94.7	70-130			
Perfluoropentanoic acid (PFPeA)	9.61	1.9		ng/L	9.71		99.0	70-130			
Perfluorohexanoic acid (PFHxA)	9.58	1.9		ng/L	9.71		98.6	70-130			
11Cl-PF3OUdS (F53B Major)	7.53	1.9		ng/L	9.15		82.3	70-130			
9Cl-PF3ONS (F53B Minor)	7.06	1.9		ng/L	9.05		78.0	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.25	1.9		ng/L	9.15		79.2	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	8.45	1.9		ng/L	9.71		87.0	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.56	1.9		ng/L	9.33		91.8	70-130			
Perfluorodecanoic acid (PFDA)	8.39	1.9		ng/L	9.71		86.4	70-130			
Perfluorododecanoic acid (PFDoA)	8.71	1.9		ng/L	9.71		89.6	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.15	1.9		ng/L	8.65		94.3	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	9.30	1.9		ng/L	9.28		100	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.69	1.9		ng/L	9.08		95.7	70-130			
Perfluorohexanesulfonic acid (PFHxS)	8.69	1.9		ng/L	8.89		97.8	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	8.69	1.9		ng/L	9.71		89.4	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	8.44	1.9		ng/L	9.71		86.9	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	11.4	1.9		ng/L	9.23		124	70-130			
Perfluoropentanesulfonic acid (PFPeS)	8.60	1.9		ng/L	9.13		94.2	70-130			
Perfluoroundecanoic acid (PFUnA)	8.38	1.9		ng/L	9.71		86.3	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	10.3	1.9		ng/L	9.71		106	70-130			
Perfluoroheptanoic acid (PFHpA)	8.96	1.9		ng/L	9.71		92.2	70-130			
Perfluorooctanoic acid (PFOA)	9.51	1.9		ng/L	9.71		97.9	70-130			
Perfluorooctanesulfonic acid (PFOS)	8.46	1.9		ng/L	8.99		94.2	70-130			
Perfluorononanoic acid (PFNA)	10.0	1.9		ng/L	9.71		103	70-130			
Surrogate: M2-4:2FTS	*27.4*			ng/L	36.4		75.2	50-200			
Surrogate: M2-8:2FTS	*35.4*			ng/L	37.3		95.0	50-200			
Surrogate: MPFBA	*37.8*			ng/L	38.9		97.3	50-200			
Surrogate: M3HFPO-DA	*48.1*			ng/L	38.9		124	50-200			
Surrogate: M6PFDA	*34.8*			ng/L	38.9		89.6	50-200			
Surrogate: M3PFBS	*35.5*			ng/L	36.2		98.1	50-200			
Surrogate: M7PFUnA	*34.4*			ng/L	38.9		88.6	50-200			
Surrogate: M2-6:2FTS	*60.6*			ng/L	37.0		164	50-200			
Surrogate: M5PFPeA	*37.5*			ng/L	38.9		96.5	50-200			
Surrogate: M5PFHxA	*32.9*			ng/L	38.9		84.6	50-200			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B352833 - EPA 533											
LCS (B352833-BS1)					Prepared: 09/25/23 Analyzed: 09/26/23						
Surrogate: M3PFHxS	*36.4*			ng/L	36.8		98.9	50-200			
Surrogate: M4PFHpA	*33.3*			ng/L	38.9		85.7	50-200			
Surrogate: M8PFOA	*36.2*			ng/L	38.9		93.2	50-200			
Surrogate: M8PFOS	*37.3*			ng/L	37.3		100	50-200			
Surrogate: M9PFNA	*33.3*			ng/L	38.9		85.6	50-200			
Surrogate: MPFDoA	*34.9*			ng/L	38.9		89.8	50-200			
LCS Dup (B352833-BSD1)					Prepared: 09/25/23 Analyzed: 09/26/23						
Perfluorobutanoic acid (PFBA)	10.1	1.9		ng/L	9.51		106	70-130	2.47	30	
Perfluorobutanesulfonic acid (PFBS)	8.62	1.9		ng/L	8.42		102	70-130	5.69	30	
Perfluoropentanoic acid (PFPeA)	10.1	1.9		ng/L	9.51		106	70-130	5.02	30	
Perfluorohexanoic acid (PFHxA)	10.2	1.9		ng/L	9.51		108	70-130	6.78	30	
11Cl-PF3OUdS (F53B Major)	8.81	1.9		ng/L	8.96		98.3	70-130	15.6	30	
9Cl-PF3ONS (F53B Minor)	7.79	1.9		ng/L	8.87		87.8	70-130	9.77	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.35	1.9		ng/L	8.96		82.0	70-130	1.29	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	8.65	1.9		ng/L	9.51		91.0	70-130	2.40	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	9.42	1.9		ng/L	9.13		103	70-130	9.53	30	
Perfluorodecanoic acid (PFDA)	9.94	1.9		ng/L	9.51		105	70-130	17.0	30	
Perfluorododecanoic acid (PFDoA)	9.48	1.9		ng/L	9.51		99.7	70-130	8.50	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.62	1.9		ng/L	8.47		102	70-130	5.57	30	
Perfluoroheptanesulfonic acid (PFHpS)	10.9	1.9		ng/L	9.08		120	70-130	15.5	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	9.17	1.9		ng/L	8.89		103	70-130	5.37	30	
Perfluorohexanesulfonic acid (PFHxS)	9.11	1.9		ng/L	8.70		105	70-130	4.73	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	8.90	1.9		ng/L	9.51		93.6	70-130	2.46	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	8.89	1.9		ng/L	9.51		93.5	70-130	5.22	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	10.1	1.9		ng/L	9.04		112	70-130	12.0	30	
Perfluoropentanesulfonic acid (PFPeS)	9.10	1.9		ng/L	8.94		102	70-130	5.73	30	
Perfluoroundecanoic acid (PFUnA)	8.62	1.9		ng/L	9.51		90.6	70-130	2.83	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	11.0	1.9		ng/L	9.51		115	70-130	6.52	30	
Perfluoroheptanoic acid (PFHpA)	9.25	1.9		ng/L	9.51		97.2	70-130	3.20	30	
Perfluorooctanoic acid (PFOA)	9.77	1.9		ng/L	9.51		103	70-130	2.65	30	
Perfluorooctanesulfonic acid (PFOS)	8.85	1.9		ng/L	8.80		101	70-130	4.45	30	
Perfluorononanoic acid (PFNA)	10.2	1.9		ng/L	9.51		107	70-130	1.44	30	
Surrogate: M2-4:2FTS	*24.7*			ng/L	35.7		69.1	50-200			
Surrogate: M2-8:2FTS	*30.4*			ng/L	36.5		83.2	50-200			
Surrogate: MPFBA	*34.3*			ng/L	38.0		90.1	50-200			
Surrogate: M3HFPO-DA	*43.7*			ng/L	38.0		115	50-200			
Surrogate: M6PFDA	*30.0*			ng/L	38.0		79.0	50-200			
Surrogate: M3PFBS	*32.5*			ng/L	35.5		91.7	50-200			
Surrogate: M7PFUnA	*33.1*			ng/L	38.0		87.0	50-200			
Surrogate: M2-6:2FTS	*44.2*			ng/L	36.2		122	50-200			
Surrogate: M5PFPeA	*33.9*			ng/L	38.0		89.0	50-200			
Surrogate: M5PFHxA	*30.8*			ng/L	38.0		80.9	50-200			
Surrogate: M3PFHxS	*34.3*			ng/L	36.1		95.1	50-200			
Surrogate: M4PFHpA	*31.9*			ng/L	38.0		83.9	50-200			
Surrogate: M8PFOA	*34.0*			ng/L	38.0		89.4	50-200			
Surrogate: M8PFOS	*33.2*			ng/L	36.5		91.0	50-200			
Surrogate: M9PFNA	*32.0*			ng/L	38.0		84.1	50-200			

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B352833 - EPA 533											
LCS Dup (B352833-BSD1)					Prepared: 09/25/23 Analyzed: 09/26/23						
Surrogate: MPFDoA	*31.6*			ng/L	38.0		83.1	50-200			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
S-29	Extracted Internal Standard is outside of control limits.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 533 in Drinking Water	
Perfluorobutanoic acid (PFBA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorobutanesulfonic acid (PFBS)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoropentanoic acid (PFPeA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorohexanoic acid (PFHxA)	NH,NY,VT-DW,ME,NJ,PA,CT
11Cl-PF3OUdS (F53B Major)	NH,NY,VT-DW,ME,NJ,PA,CT
9Cl-PF3ONS (F53B Minor)	NH,NY,VT-DW,ME,NJ,PA,CT
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NH,NY,VT-DW,ME,NJ,PA,CT
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH,NY,VT-DW,ME,NJ,PA,CT
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorodecanoic acid (PFDA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorododecanoic acid (PFDoA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoroheptanesulfonic acid (PFHpS)	NH,NY,VT-DW,ME,NJ,PA,CT
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorohexanesulfonic acid (PFHxS)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoro-4-oxapentanoic acid (PFMPA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoro-5-oxahexanoic acid (PFMBA)	NH,NY,VT-DW,ME,NJ,PA,CT
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoropentanesulfonic acid (PFPeS)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoroundecanoic acid (PFUnA)	NH,NY,VT-DW,ME,NJ,PA,CT
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoroheptanoic acid (PFHpA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorononanoic acid (PFNA)	NH,NY,VT-DW,ME,NJ,PA,CT

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2024
ME	State of Maine	MA00100	06/9/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024

Pace Analytical

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name:	NYSDEC/Arcadis
Address:	625 Broadway 12th floor Albany, NY 12233
Phone:	(518) 402-0 9813
Project Name:	Stewart ANG-Butternut
Project Location:	New Windsor, NY
Project Number:	30058345
Project Manager:	David Chiusano
Pace Analytical Quote Name/Number:	Callout ID: 141586
Invoice Recipient:	David Chiusano
Sampled By:	Case VanderValk, Casey Radomski, Meg Fitzgerald

Requested Turnaround Time
7-Day ☐ 10-Day ☑
Due Date:

Rush Approval Required
1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	EPA 533	# of Containers
1	BH20230906-PREGAC	9/6/23	9:51		✓	DW		2	
2	BH20230906-POSTGAC		9:53		✓	DW		2	
3	BH20230906-POSTGACDUP		9:54		✓	DW		2	
4	BH20230906-Post+GACMSMSD		9:55		✓	DW		6	
5	BH20230906-IN-25		10:09		✓	DW		2	
6	BH20230906-IN-50		10:10		✓	DW		2	
7	BH20230906-IN-75		10:11		✓	DW		2	
8	BH20230906-IPOST		10:14		✓	DW		2	
9	BH20230906-IS-25		10:17		✓	DW		2	
10	BH20230906-IS50	↓	10:19		✓	DW		2	

ANALYSIS REQUESTED

[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] Matrix Codes:
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] Preservation Codes:
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] Container Codes:
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Please results to DanaBryant@arcadis.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished by: (signature)	Meg Fitzgerald	Date/Time: 9/6 12:25
Received by: (signature)	[illegible]	Date/Time: 9/6 1535
Relinquished by: (signature)		Date/Time: 9/6/23 1715
Received by: (signature)		Date/Time: 9/6 12:25
Relinquished by: (signature)		Date/Time: 9/6/23 1532
Received by: (signature)		Date/Time: 9/6/23 18:50

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
Other:

Deliverables
☑ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

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Pace Analytical

Phone: 612-607-6400
Fax: 612-607-6344

https://www.pacelabs.com/

1800 Elm Street SE
Minneapolis, MN 55414

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYSDEC/ Arcadis
Address: 625 Broadway 12th floor Albany, NY 12233
Phone: (512) 402 - 9813
Project Name: Stewart ANG-Butternill
Project Location: New Windsor, NY
Project Number: 30058345
Project Manager: David Chiusano
Pace Analytical Quote Name/Number: Callout ID: 141586
Invoice Recipient: David Chiusano
Sampled By: Case VandeValk, Casey Radomski, Meg Fitzgerald

Requested Turnaround Time: 7-Day ☐ 10-Day ☑
Due Date:
Rush (Pre-approval Required): 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Data Delivery: Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	EPA 533
11	BH20230906-1S-75	9/6/23	10:21		✓	DW		2
12	BH20230906-1MID	↓	10:22		✓	DW		2
13	BH20230906-2N-25		10:25		✓	DW		2
14	BH20230906-2N-50		10:26		✓	DW		2
15	BH20230906-2N-75		10:27		✓	DW		2
16	BH20230906-2POST		10:29		✓	DW		2
17	BH20230906-2S-25		10:33		✓	DW		2
18	BH20230906-2S-50		10:34		✓	DW		2
19	BH20230906-2S-75		10:35		✓	DW		2
20	BH20230906-2MID	↓	10:36		✓	DW		2

ANALYSIS REQUESTED

	EPA 533
# of Containers	20
[2] Preservation Code	I
[3] Container Code	P

Dissolved Metals Sample: ☐ Field Filtered ☐ Lab to Filter
Orthophosphate Sample: ☐ Field Filtered ☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Please results to Dana.Bryant@arcadis.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) Meg Fitzgerald	9/6 12:25
Received by: (signature) (AA)	9/6 1535
Relinquished by: (signature)	9/6/23 MLS
Received by: (signature)	9/6 12:25
Relinquished by: (signature) 9/6/23 1530	9/6/23 18:50
Received by: (signature)	

Program / Regulatory Information:
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375

Deliverables:
☑ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ [illegible] ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☑ Non Soxhlet

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Arcadis

Project Stewart ANB - Butterhill

MCP/RCP Required N/A

Deliverable Package Requirement N/A

Location New Windsor, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AM 9/7/23 930

Back-Sheet By / Date / Time LA 9/7/23 1205

Temperature Method GM #5

Temp ☑ < 6° C Actual Temperature 4.0/2.7/2.0/3.0

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

Pace ANALYTICAL SERVICES

DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist

Effective Date: 07/13/2023

Container	Size	Sample	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
Soils Jars	(Circle Amb/Clear)	16oz Amb/Clear																				
		8oz Amb/Clear																				
		4oz Amb/Clear																				
		2oz Amb/Clear																				
Ambers	1 Liter	Unpreserved																				
		HCL																				
		Sulfuric																				
	250mL	Sulfuric																				
		Phosphoric																				
		HCl																				
	100mL	Unpreserved																				
Plastics	1 Liter	Unpreserved																				
		Sulfuric																				
	500mL	Unpreserved																				
		Sulfuric																				
	250mL	Unpreserved																				
		Trizma																				
		Sulfuric																				
		Nitric																				
		NaOH																				
		Ammonium Acetate	2	—	—	6	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
		NaOH/Zinc																				
VOA Vials		Unpreserved																				
		HCl																				
		MeOH																				
		D.I. Water																				
		BiSulfate																				
Other / Fill in		Col/Bact																				

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September 15, 2023

David Chiusano
NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065

Project Location: New Windsor, NY
Client Job Number:
Project Number: 30058345
Laboratory Work Order Number: 23I0621

Enclosed are results of analyses for samples as received by the laboratory on September 7, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

NYDEC_Arcadis US, Inc. - Clifton Park-NY
855 Route 146, Suite 210
Clifton Park, NY 12065
ATTN: David Chiusano

REPORT DATE: 9/15/2023

PURCHASE ORDER NUMBER: 141586

PROJECT NUMBER: 30058345

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23I0621

The results of analyses performed on the following samples submitted to Con-Test, a Pace Analytical Laboratory, are found in this report.

PROJECT LOCATION: New Windsor, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
BH20230906-3N-25	23I0621-01	Drinking Water		EPA 533	
BH20230906-3N-50	23I0621-02	Drinking Water		EPA 533	
BH20230906-3N-75	23I0621-03	Drinking Water		EPA 533	
BH20230906-3 POST	23I0621-04	Drinking Water		EPA 533	
BH20230906-3S-25	23I0621-05	Drinking Water		EPA 533	
BH20230906-3S-50	23I0621-06	Drinking Water		EPA 533	
BH20230906-3S-75	23I0621-07	Drinking Water		EPA 533	
BH20230906-3 MID	23I0621-08	Drinking Water		EPA 533	
BH20230906-1 RAW	23I0621-09	Drinking Water		EPA 533	
BH20230906-2 RAW	23I0621-10	Drinking Water		EPA 533	
BH20230906-3 RAW	23I0621-11	Drinking Water		EPA 533	

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CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

EPA 533

Qualifications:

L-01

Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.

Analyte & Samples(s) Qualified:

6:2 Fluorotelomersulfonic acid (6:2
B351484-BSD1

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-8:2FTS
S093395-CCV2, S093395-CCV3

M3HFPO-DA
S093395-CCV3

V-20

Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

Analyte & Samples(s) Qualified:

11Cl-PF3OUdS (F53B Major)
S093395-CCV1, S093395-CCV2, S093395-CCV3

9Cl-PF3ONS (F53B Minor)
S093395-CCV1, S093395-CCV2, S093395-CCV3

Perfluoroheptanesulfonic acid (PFl
S093395-CCV1

The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington
Technical Representative

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-3N-25 | Sampled: 9/6/2023 10:40

Sample ID: 23I0621-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.0	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluoropentanoic acid (PFPeA)	8.7	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluorohexanoic acid (PFHxA)	3.6	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:02	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	104	50-200		9/14/23 2:02
M2-8:2FTS	148	50-200		9/14/23 2:02
MPFBA	95.3	50-200		9/14/23 2:02
M3HFPO-DA	120	50-200		9/14/23 2:02
M6PFDA	94.9	50-200		9/14/23 2:02
M3PFBS	105	50-200		9/14/23 2:02
M7PFUnA	95.6	50-200		9/14/23 2:02
M2-6:2FTS	146	50-200		9/14/23 2:02
M5PFPeA	104	50-200		9/14/23 2:02
M5PFHxA	86.7	50-200		9/14/23 2:02
M3PFHxS	109	50-200		9/14/23 2:02
M4PFHpA	92.1	50-200		9/14/23 2:02
M8PFOA	92.7	50-200		9/14/23 2:02
M8PFOS	92.9	50-200		9/14/23 2:02
M9PFNA	76.2	50-200		9/14/23 2:02
MPFDoA	83.0	50-200		9/14/23 2:02

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-3N-50 | Sampled: 9/6/2023 10:41

Sample ID: 23I0621-02

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.9	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluoropentanoic acid (PFPeA)	7.6	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluorohexanoic acid (PFHxA)	3.0	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:24	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	93.3	50-200		9/14/23 2:24
M2-8:2FTS	141	50-200		9/14/23 2:24
MPFBA	94.1	50-200		9/14/23 2:24
M3HFPO-DA	106	50-200		9/14/23 2:24
M6PFDA	77.3	50-200		9/14/23 2:24
M3PFBS	99.2	50-200		9/14/23 2:24
M7PFUnA	80.9	50-200		9/14/23 2:24
M2-6:2FTS	128	50-200		9/14/23 2:24
M5PFPeA	102	50-200		9/14/23 2:24
M5PFHxA	82.3	50-200		9/14/23 2:24
M3PFHxS	102	50-200		9/14/23 2:24
M4PFHpA	86.9	50-200		9/14/23 2:24
M8PFOA	90.4	50-200		9/14/23 2:24
M8PFOS	88.5	50-200		9/14/23 2:24
M9PFNA	72.4	50-200		9/14/23 2:24
MPFDoA	80.5	50-200		9/14/23 2:24

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-3N-75 | Sampled: 9/6/2023 10:43

Sample ID: 23I0621-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.2	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluoropentanoic acid (PFPeA)	7.0	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:31	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	83.3	50-200		9/14/23 2:31
M2-8:2FTS	131	50-200		9/14/23 2:31
MPFBA	85.0	50-200		9/14/23 2:31
M3HFPO-DA	91.9	50-200		9/14/23 2:31
M6PFDA	73.1	50-200		9/14/23 2:31
M3PFBS	93.9	50-200		9/14/23 2:31
M7PFUnA	61.7	50-200		9/14/23 2:31
M2-6:2FTS	124	50-200		9/14/23 2:31
M5PFPeA	86.1	50-200		9/14/23 2:31
M5PFHxA	66.1	50-200		9/14/23 2:31
M3PFHxS	97.8	50-200		9/14/23 2:31
M4PFHpA	67.3	50-200		9/14/23 2:31
M8PFOA	74.0	50-200		9/14/23 2:31
M8PFOS	94.0	50-200		9/14/23 2:31
M9PFNA	53.2	50-200		9/14/23 2:31
MPFDoA	62.8	50-200		9/14/23 2:31

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-3 POST | Sampled: 9/6/2023 10:44

Sample ID: 23I0621-04

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.0	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluoropentanoic acid (PFPeA)	6.7	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluorohexanoic acid (PFHxA)	2.5	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:39	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	87.0	50-200		9/14/23 2:39
M2-8:2FTS	183	50-200		9/14/23 2:39
MPFBA	88.6	50-200		9/14/23 2:39
M3HFPO-DA	92.5	50-200		9/14/23 2:39
M6PFDA	83.7	50-200		9/14/23 2:39
M3PFBS	98.9	50-200		9/14/23 2:39
M7PFUnA	73.8	50-200		9/14/23 2:39
M2-6:2FTS	142	50-200		9/14/23 2:39
M5PFPeA	94.3	50-200		9/14/23 2:39
M5PFHxA	70.2	50-200		9/14/23 2:39
M3PFHxS	99.9	50-200		9/14/23 2:39
M4PFHpA	70.6	50-200		9/14/23 2:39
M8PFOA	82.3	50-200		9/14/23 2:39
M8PFOS	92.4	50-200		9/14/23 2:39
M9PFNA	65.8	50-200		9/14/23 2:39
MPFDoA	68.9	50-200		9/14/23 2:39

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-3S-25 | Sampled: 9/6/2023 10:46

Sample ID: 23I0621-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.2	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluorobutanesulfonic acid (PFBS)	2.3	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluoropentanoic acid (PFPeA)	8.4	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluorohexanoic acid (PFHxA)	4.6	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluorohexanesulfonic acid (PFHxS)	2.8	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluoroheptanoic acid (PFHpA)	2.2	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluorooctanoic acid (PFOA)	4.5	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluorooctanesulfonic acid (PFOS)	5.2	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	9/13/23	9/14/23 2:46	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	98.1	50-200		9/14/23 2:46
M2-8:2FTS	154	50-200		9/14/23 2:46
MPFBA	88.5	50-200		9/14/23 2:46
M3HFPO-DA	102	50-200		9/14/23 2:46
M6PFDA	78.7	50-200		9/14/23 2:46
M3PFBS	90.7	50-200		9/14/23 2:46
M7PFUnA	76.1	50-200		9/14/23 2:46
M2-6:2FTS	127	50-200		9/14/23 2:46
M5PFPeA	106	50-200		9/14/23 2:46
M5PFHxA	77.4	50-200		9/14/23 2:46
M3PFHxS	97.3	50-200		9/14/23 2:46
M4PFHpA	82.8	50-200		9/14/23 2:46
M8PFOA	77.1	50-200		9/14/23 2:46
M8PFOS	81.9	50-200		9/14/23 2:46
M9PFNA	67.4	50-200		9/14/23 2:46
MPFDoA	69.9	50-200		9/14/23 2:46

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-3S-50 | Sampled: 9/6/2023 10:48

Sample ID: 23I0621-06

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.0	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluorobutanesulfonic acid (PFBS)	2.3	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluoropentanoic acid (PFPeA)	8.5	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluorohexanoic acid (PFHxA)	4.6	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluorohexanesulfonic acid (PFHxS)	2.7	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluoroheptanoic acid (PFHpA)	2.0	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluorooctanoic acid (PFOA)	2.7	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluorooctanesulfonic acid (PFOS)	4.1	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 2:53	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	107	50-200		9/14/23 2:53
M2-8:2FTS	150	50-200		9/14/23 2:53
MPFBA	89.7	50-200		9/14/23 2:53
M3HFPO-DA	94.1	50-200		9/14/23 2:53
M6PFDA	69.2	50-200		9/14/23 2:53
M3PFBS	102	50-200		9/14/23 2:53
M7PFUnA	67.7	50-200		9/14/23 2:53
M2-6:2FTS	161	50-200		9/14/23 2:53
M5PFPeA	104	50-200		9/14/23 2:53
M5PFHxA	71.8	50-200		9/14/23 2:53
M3PFHxS	108	50-200		9/14/23 2:53
M4PFHpA	76.0	50-200		9/14/23 2:53
M8PFOA	81.4	50-200		9/14/23 2:53
M8PFOS	90.4	50-200		9/14/23 2:53
M9PFNA	68.0	50-200		9/14/23 2:53
MPFDoA	71.7	50-200		9/14/23 2:53

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-3S-75 | Sampled: 9/6/2023 10:50

Sample ID: 23I0621-07

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.4	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluorobutanesulfonic acid (PFBS)	2.3	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluoropentanoic acid (PFPeA)	7.5	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluorohexanoic acid (PFHxA)	4.4	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluorohexanesulfonic acid (PFHxS)	2.2	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluorooctanoic acid (PFOA)	2.3	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluorooctanesulfonic acid (PFOS)	2.7	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:00	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	99.4	50-200		9/14/23 3:00
M2-8:2FTS	142	50-200		9/14/23 3:00
MPFBA	83.7	50-200		9/14/23 3:00
M3HFPO-DA	92.4	50-200		9/14/23 3:00
M6PFDA	74.8	50-200		9/14/23 3:00
M3PFBS	96.0	50-200		9/14/23 3:00
M7PFUnA	63.8	50-200		9/14/23 3:00
M2-6:2FTS	131	50-200		9/14/23 3:00
M5PFPeA	93.7	50-200		9/14/23 3:00
M5PFHxA	70.6	50-200		9/14/23 3:00
M3PFHxS	96.1	50-200		9/14/23 3:00
M4PFHpA	72.4	50-200		9/14/23 3:00
M8PFOA	80.8	50-200		9/14/23 3:00
M8PFOS	88.7	50-200		9/14/23 3:00
M9PFNA	59.2	50-200		9/14/23 3:00
MPFDoA	65.2	50-200		9/14/23 3:00

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-3 MID | Sampled: 9/6/2023 10:52

Sample ID: 23I0621-08

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.6	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluorobutanesulfonic acid (PFBS)	2.5	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluoropentanoic acid (PFPeA)	9.0	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluorohexanoic acid (PFHxA)	5.1	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluorohexanesulfonic acid (PFHxS)	2.9	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluoroheptanoic acid (PFHpA)	2.2	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluorooctanoic acid (PFOA)	3.5	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluorooctanesulfonic acid (PFOS)	3.5	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:08	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	92.5	50-200		9/14/23 3:08
M2-8:2FTS	128	50-200		9/14/23 3:08
MPFBA	81.5	50-200		9/14/23 3:08
M3HFPO-DA	95.3	50-200		9/14/23 3:08
M6PFDA	62.6	50-200		9/14/23 3:08
M3PFBS	88.8	50-200		9/14/23 3:08
M7PFUnA	68.5	50-200		9/14/23 3:08
M2-6:2FTS	119	50-200		9/14/23 3:08
M5PFPeA	92.8	50-200		9/14/23 3:08
M5PFHxA	72.3	50-200		9/14/23 3:08
M3PFHxS	91.3	50-200		9/14/23 3:08
M4PFHpA	71.8	50-200		9/14/23 3:08
M8PFOA	70.2	50-200		9/14/23 3:08
M8PFOS	79.1	50-200		9/14/23 3:08
M9PFNA	57.7	50-200		9/14/23 3:08
MPFDoA	60.2	50-200		9/14/23 3:08

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-1 RAW | Sampled: 9/6/2023 11:18

Sample ID: 23I0621-09

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	9.2	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluorobutanesulfonic acid (PFBS)	4.6	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluorohexanesulfonic acid (PFHxS)	5.0	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluorooctanoic acid (PFOA)	3.3	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluorooctanesulfonic acid (PFOS)	6.6	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:15	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	93.6	50-200		9/14/23 3:15
M2-8:2FTS	172	50-200		9/14/23 3:15
MPFBA	87.9	50-200		9/14/23 3:15
M3HFPO-DA	91.2	50-200		9/14/23 3:15
M6PFDA	79.0	50-200		9/14/23 3:15
M3PFBS	92.3	50-200		9/14/23 3:15
M7PFUnA	78.9	50-200		9/14/23 3:15
M2-6:2FTS	147	50-200		9/14/23 3:15
M5PFPeA	100	50-200		9/14/23 3:15
M5PFHxA	74.1	50-200		9/14/23 3:15
M3PFHxS	96.5	50-200		9/14/23 3:15
M4PFHpA	76.0	50-200		9/14/23 3:15
M8PFOA	90.1	50-200		9/14/23 3:15
M8PFOS	85.9	50-200		9/14/23 3:15
M9PFNA	65.7	50-200		9/14/23 3:15
MPFDoA	75.3	50-200		9/14/23 3:15

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-2 RAW | Sampled: 9/6/2023 11:28

Sample ID: 23I0621-10

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.1	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluorobutanesulfonic acid (PFBS)	2.4	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluoropentanoic acid (PFPeA)	7.8	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluorohexanoic acid (PFHxA)	3.5	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluorohexanesulfonic acid (PFHxS)	4.5	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluoroheptanoic acid (PFHpA)	2.0	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluorooctanoic acid (PFOA)	3.5	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluorooctanesulfonic acid (PFOS)	5.3	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	9/13/23	9/14/23 3:22	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	90.3	50-200		9/14/23 3:22
M2-8:2FTS	162	50-200		9/14/23 3:22
MPFBA	90.7	50-200		9/14/23 3:22
M3HFPO-DA	93.8	50-200		9/14/23 3:22
M6PFDA	78.6	50-200		9/14/23 3:22
M3PFBS	90.2	50-200		9/14/23 3:22
M7PFUnA	81.8	50-200		9/14/23 3:22
M2-6:2FTS	131	50-200		9/14/23 3:22
M5PFPeA	104	50-200		9/14/23 3:22
M5PFHxA	79.3	50-200		9/14/23 3:22
M3PFHxS	92.1	50-200		9/14/23 3:22
M4PFHpA	82.7	50-200		9/14/23 3:22
M8PFOA	87.8	50-200		9/14/23 3:22
M8PFOS	82.8	50-200		9/14/23 3:22
M9PFNA	66.0	50-200		9/14/23 3:22
MPFDoA	78.8	50-200		9/14/23 3:22

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23I0621

Date Received: 9/7/2023

Field Sample #: BH20230906-3 RAW | Sampled: 9/6/2023 11:06

Sample ID: 23I0621-11

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.2	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluorobutanesulfonic acid (PFBS)	3.2	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluoropentanoic acid (PFPeA)	11	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluorohexanoic acid (PFHxA)	6.1	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluorohexanesulfonic acid (PFHxS)	5.4	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluoroheptanoic acid (PFHpA)	3.2	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluorooctanoic acid (PFOA)	6.4	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluorooctanesulfonic acid (PFOS)	12	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L	1		EPA 533	9/13/23	9/14/23 3:29	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	112	50-200		9/14/23 3:29
M2-8:2FTS	172	50-200		9/14/23 3:29
MPFBA	83.2	50-200		9/14/23 3:29
M3HFPO-DA	84.9	50-200		9/14/23 3:29
M6PFDA	63.8	50-200		9/14/23 3:29
M3PFBS	84.9	50-200		9/14/23 3:29
M7PFUnA	63.5	50-200		9/14/23 3:29
M2-6:2FTS	154	50-200		9/14/23 3:29
M5PFPeA	107	50-200		9/14/23 3:29
M5PFHxA	72.9	50-200		9/14/23 3:29
M3PFHxS	89.9	50-200		9/14/23 3:29
M4PFHpA	76.1	50-200		9/14/23 3:29
M8PFOA	69.8	50-200		9/14/23 3:29
M8PFOS	82.9	50-200		9/14/23 3:29
M9PFNA	60.4	50-200		9/14/23 3:29
MPFDoA	68.5	50-200		9/14/23 3:29

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Sample Extraction Data

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23I0621-01 [BH20230906-3N-25]	B351484	265	1.00	09/13/23
23I0621-02 [BH20230906-3N-50]	B351484	274	1.00	09/13/23
23I0621-03 [BH20230906-3N-75]	B351484	264	1.00	09/13/23
23I0621-04 [BH20230906-3 POST]	B351484	283	1.00	09/13/23
23I0621-05 [BH20230906-3S-25]	B351484	273	1.00	09/13/23
23I0621-06 [BH20230906-3S-50]	B351484	269	1.00	09/13/23
23I0621-07 [BH20230906-3S-75]	B351484	268	1.00	09/13/23
23I0621-08 [BH20230906-3 MID]	B351484	267	1.00	09/13/23
23I0621-09 [BH20230906-1 RAW]	B351484	289	1.00	09/13/23
23I0621-10 [BH20230906-2 RAW]	B351484	266	1.00	09/13/23
23I0621-11 [BH20230906-3 RAW]	B351484	287	1.00	09/13/23

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B351484 - EPA 533											
Blank (B351484-BLK1)					Prepared: 09/13/23 Analyzed: 09/14/23						
Perfluorobutanoic acid (PFBA)	ND	1.8		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L							
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L							
Surrogate: M2-4:2FTS	*32.8*			ng/L	34.4		95.5	50-200			
Surrogate: M2-8:2FTS	*46.4*			ng/L	35.2		132	50-200			
Surrogate: MPFBA	*35.2*			ng/L	36.6		96.2	50-200			
Surrogate: M3HFPO-DA	*44.8*			ng/L	36.6		122	50-200			
Surrogate: M6PFDA	*38.7*			ng/L	36.6		106	50-200			
Surrogate: M3PFBS	*36.1*			ng/L	34.1		106	50-200			
Surrogate: M7PFUnA	*34.7*			ng/L	36.6		94.8	50-200			
Surrogate: M2-6:2FTS	*48.2*			ng/L	34.8		138	50-200			
Surrogate: M5PFPeA	*35.7*			ng/L	36.6		97.4	50-200			
Surrogate: M5PFHxA	*32.8*			ng/L	36.6		89.6	50-200			
Surrogate: M3PFHxS	*37.3*			ng/L	34.7		107	50-200			
Surrogate: M4PFHpA	*34.4*			ng/L	36.6		94.0	50-200			
Surrogate: M8PFOA	*38.9*			ng/L	36.6		106	50-200			
Surrogate: M8PFOS	*31.9*			ng/L	35.1		90.8	50-200			
Surrogate: M9PFNA	*28.5*			ng/L	36.6		77.7	50-200			
Surrogate: MPFDoA	*32.2*			ng/L	36.6		88.0	50-200			
LCS (B351484-BS1)					Prepared: 09/13/23 Analyzed: 09/14/23						
Perfluorobutanoic acid (PFBA)	10.7	1.8		ng/L	8.82		122	70-130			
Perfluorobutanesulfonic acid (PFBS)	8.74	1.8		ng/L	7.81		112	70-130			
Perfluoropentanoic acid (PFPeA)	10.3	1.8		ng/L	8.82		117	70-130			
Perfluorohexanoic acid (PFHxA)	10.6	1.8		ng/L	8.82		120	70-130			
11Cl-PF3OUdS (F53B Major)	10.7	1.8		ng/L	8.31		128	70-130			

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B351484 - EPA 533											
LCS (B351484-BS1)					Prepared: 09/13/23 Analyzed: 09/14/23						
9Cl-PF3ONS (F53B Minor)	10.3	1.8		ng/L	8.22		126	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.15	1.8		ng/L	8.31		98.1	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.25	1.8		ng/L	8.82		82.2	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	9.17	1.8		ng/L	8.47		108	70-130			
Perfluorodecanoic acid (PFDA)	8.93	1.8		ng/L	8.82		101	70-130			
Perfluorododecanoic acid (PFDoA)	9.64	1.8		ng/L	8.82		109	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	9.49	1.8		ng/L	7.85		121	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	10.6	1.8		ng/L	8.42		126	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	9.44	1.8		ng/L	8.25		114	70-130			
Perfluorohexanesulfonic acid (PFHxS)	8.61	1.8		ng/L	8.07		107	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	9.78	1.8		ng/L	8.82		111	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	8.61	1.8		ng/L	8.82		97.6	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.44	1.8		ng/L	8.38		101	70-130			
Perfluoropentanesulfonic acid (PFPeS)	8.97	1.8		ng/L	8.29		108	70-130			
Perfluoroundecanoic acid (PFUnA)	9.58	1.8		ng/L	8.82		109	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.62	1.8		ng/L	8.82		109	70-130			
Perfluoroheptanoic acid (PFHpA)	10.4	1.8		ng/L	8.82		117	70-130			
Perfluorooctanoic acid (PFOA)	9.51	1.8		ng/L	8.82		108	70-130			
Perfluorooctanesulfonic acid (PFOS)	9.79	1.8		ng/L	8.16		120	70-130			
Perfluorononanoic acid (PFNA)	10.1	1.8		ng/L	8.82		114	70-130			
Surrogate: M2-4:2FTS	*30.7*			ng/L	33.1		92.8	50-200			
Surrogate: M2-8:2FTS	*41.3*			ng/L	33.9		122	50-200			
Surrogate: MPFBA	*32.0*			ng/L	35.3		90.8	50-200			
Surrogate: M3HFPO-DA	*35.0*			ng/L	35.3		99.2	50-200			
Surrogate: M6PFDA	*30.4*			ng/L	35.3		86.3	50-200			
Surrogate: M3PFBS	*34.3*			ng/L	32.9		104	50-200			
Surrogate: M7PFUnA	*29.0*			ng/L	35.3		82.3	50-200			
Surrogate: M2-6:2FTS	*44.0*			ng/L	33.5		131	50-200			
Surrogate: M5PFPeA	*32.6*			ng/L	35.3		92.3	50-200			
Surrogate: M5PFHxA	*28.1*			ng/L	35.3		79.6	50-200			
Surrogate: M3PFHxS	*33.8*			ng/L	33.4		101	50-200			
Surrogate: M4PFHpA	*28.7*			ng/L	35.3		81.5	50-200			
Surrogate: M8PFOA	*32.6*			ng/L	35.3		92.5	50-200			
Surrogate: M8PFOS	*30.1*			ng/L	33.8		88.9	50-200			
Surrogate: M9PFNA	*24.2*			ng/L	35.3		68.6	50-200			
Surrogate: MPFDoA	*29.5*			ng/L	35.3		83.6	50-200			
LCS Dup (B351484-BSD1)					Prepared: 09/13/23 Analyzed: 09/14/23						
Perfluorobutanoic acid (PFBA)	11.0	1.8		ng/L	9.11		121	70-130	2.74	30	
Perfluorobutanesulfonic acid (PFBS)	9.27	1.8		ng/L	8.06		115	70-130	5.81	30	
Perfluoropentanoic acid (PFPeA)	10.7	1.8		ng/L	9.11		118	70-130	4.12	30	
Perfluorohexanoic acid (PFHxA)	11.2	1.8		ng/L	9.11		123	70-130	5.47	30	
11Cl-PF3OUdS (F53B Major)	11.0	1.8		ng/L	8.58		128	70-130	3.30	30	
9Cl-PF3ONS (F53B Minor)	10.0	1.8		ng/L	8.49		118	70-130	3.26	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	8.13	1.8		ng/L	8.58		94.8	70-130	0.217	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.85	1.8		ng/L	9.11		86.2	70-130	8.00	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	9.28	1.8		ng/L	8.74		106	70-130	1.22	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by - LC/MS-MS - Quality Control

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B351484 - EPA 533												
LCS Dup (B351484-BSD1)					Prepared: 09/13/23 Analyzed: 09/14/23							
Perfluorodecanoic acid (PFDA)	9.32	1.8		ng/L	9.11		102		70-130	4.31	30	
Perfluorododecanoic acid (PFDoA)	11.0	1.8		ng/L	9.11		121		70-130	13.4	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	10.3	1.8		ng/L	8.11		127		70-130	8.43	30	
Perfluoroheptanesulfonic acid (PFHpS)	10.3	1.8		ng/L	8.70		119		70-130	2.77	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	10.0	1.8		ng/L	8.52		118		70-130	5.99	30	
Perfluorohexanesulfonic acid (PFHxS)	9.30	1.8		ng/L	8.33		112		70-130	7.67	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	9.99	1.8		ng/L	9.11		110		70-130	2.11	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	9.15	1.8		ng/L	9.11		101		70-130	6.18	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	11.4	1.8		ng/L	8.65		**131**	*	70-130	29.5	30	L-01
Perfluoropentanesulfonic acid (PFPeS)	9.56	1.8		ng/L	8.56		112		70-130	6.38	30	
Perfluoroundecanoic acid (PFUnA)	9.92	1.8		ng/L	9.11		109		70-130	3.47	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	10.1	1.8		ng/L	9.11		111		70-130	4.64	30	
Perfluoroheptanoic acid (PFHpA)	10.4	1.8		ng/L	9.11		114		70-130	0.188	30	
Perfluorooctanoic acid (PFOA)	11.3	1.8		ng/L	9.11		125		70-130	17.6	30	
Perfluorooctanesulfonic acid (PFOS)	9.01	1.8		ng/L	8.42		107		70-130	8.25	30	
Perfluorononanoic acid (PFNA)	10.4	1.8		ng/L	9.11		115		70-130	3.54	30	
Surrogate: M2-4:2FTS	*29.9*			ng/L	34.2		87.6		50-200			
Surrogate: M2-8:2FTS	*42.4*			ng/L	35.0		121		50-200			
Surrogate: MPFBA	*32.7*			ng/L	36.4		89.7		50-200			
Surrogate: M3HFPO-DA	*44.1*			ng/L	36.4		121		50-200			
Surrogate: M6PFDA	*35.1*			ng/L	36.4		96.5		50-200			
Surrogate: M3PFBS	*32.7*			ng/L	34.0		96.2		50-200			
Surrogate: M7PFUnA	*33.2*			ng/L	36.4		91.1		50-200			
Surrogate: M2-6:2FTS	*39.9*			ng/L	34.6		115		50-200			
Surrogate: M5PFPeA	*33.3*			ng/L	36.4		91.4		50-200			
Surrogate: M5PFHxA	*32.3*			ng/L	36.4		88.7		50-200			
Surrogate: M3PFHxS	*32.3*			ng/L	34.5		93.5		50-200			
Surrogate: M4PFHpA	*35.1*			ng/L	36.4		96.4		50-200			
Surrogate: M8PFOA	*35.2*			ng/L	36.4		96.7		50-200			
Surrogate: M8PFOS	*31.6*			ng/L	34.9		90.5		50-200			
Surrogate: M9PFNA	*29.2*			ng/L	36.4		80.2		50-200			
Surrogate: MPFDoA	*33.8*			ng/L	36.4		92.7		50-200			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
S-29	Extracted Internal Standard is outside of control limits.
V-20	Continuing calibration verification (CCV) did not meet method specifications and was biased on the high side. Data validation is not affected since sample result was "not detected" for this compound.

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CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 533 in Drinking Water	
Perfluorobutanoic acid (PFBA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorobutanesulfonic acid (PFBS)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoropentanoic acid (PFPeA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorohexanoic acid (PFHxA)	NH,NY,VT-DW,ME,NJ,PA,CT
11Cl-PF3OUdS (F53B Major)	NH,NY,VT-DW,ME,NJ,PA,CT
9Cl-PF3ONS (F53B Minor)	NH,NY,VT-DW,ME,NJ,PA,CT
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	NH,NY,VT-DW,ME,NJ,PA,CT
Hexafluoropropylene oxide dimer acid (HFPO-DA)	NH,NY,VT-DW,ME,NJ,PA,CT
8:2 Fluorotelomersulfonic acid (8:2FTS A)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorodecanoic acid (PFDA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorododecanoic acid (PFDoA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoroheptanesulfonic acid (PFHpS)	NH,NY,VT-DW,ME,NJ,PA,CT
4:2 Fluorotelomersulfonic acid (4:2FTS A)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorohexanesulfonic acid (PFHxS)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoro-4-oxapentanoic acid (PFMPA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoro-5-oxahexanoic acid (PFMBA)	NH,NY,VT-DW,ME,NJ,PA,CT
6:2 Fluorotelomersulfonic acid (6:2FTS A)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoropentanesulfonic acid (PFPeS)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoroundecanoic acid (PFUnA)	NH,NY,VT-DW,ME,NJ,PA,CT
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluoroheptanoic acid (PFHpA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorooctanoic acid (PFOA)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorooctanesulfonic acid (PFOS)	NH,NY,VT-DW,ME,NJ,PA,CT
Perfluorononanoic acid (PFNA)	NH,NY,VT-DW,ME,NJ,PA,CT

Con-Test, a Pace Environmental Laboratory, operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Department of Public Health	PH-0821	12/31/2024
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2024
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2024
ME	State of Maine	MA00100	06/9/2025
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2024

Pace Analytical

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Fax: 612-607-6344
RM

https://www.pacelabs.com/

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYSDEC/Arcadis
Address: 625 Broadway 12th floor Albany NY 12233
Phone: (518) 402-9813
Project Name: Stewart ANG-Butternut
Project Location: New Windsor, NY
Project Number: 30058345
Project Manager: David Chiusano
Pace Analytical Quote Name/Number: Callout ID: 141586
Invoice Recipient: David Chiusano
Sampled By: Case VanderValk, Casey Radomski, Meg Fitzgerald

Turnaround: 7-Day ☐ 10-Day ☑
Due Date:
Rush: 1-Day ☐ 2-Day ☐ 3-Day ☐ 4-Day ☐
Data Deliverable Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

# of Containers: 20
² Preservation Code: I
³ Container Code: P

ANALYSIS REQUESTED: EPA 533

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	¹Matrix Code	Conc Code	EPA 533
1	BH20230906-3N-25	9/6/23	10:40		✓	DW		2
2	BH20230906-3N-50	↓	10:41		✓	DW		2
3	BH20230906-3N-75	↓	10:43		✓	DW		2
4	BH20230906-3POST	↓	10:44		✓	DW		2
5	BH20230906-3S-25	↓	10:46		✓	DW		2
6	BH20230906-3S-50	↓	10:48		✓	DW		2
7	BH20230906-3S-75	↓	10:50		✓	DW		2
8	BH20230906-3MID	↓	10:52		✓	DW		2
9	BH20230906-1RAW	↓	11:18		✓	DW		2
10	BH20230906-2RAW	↓	11:28		✓	DW		2

Dissolved Metals Sample: ☐ Field Filtered ☐ Lab to Filter
Other Dissolved Sample: ☐ Field Filtered ☐ Lab to Filter

¹ **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

² **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

³ **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Please results to DanaBryant@arcadis.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

	Date/Time:
Relinquished by: (signature) Meg Fitzgerald	9/6 12:25
Received by: (signature) (AAL)	9/6 1535
Relinquished by: (signature)	9/6/23 1715
Received by: (signature)	9/6 17:25
Relinquished by: (signature) 9/6/23 1530	.1C
Received by: (signature)	9/6/23

Program/Regulatory Information:
☐ AWQ STDS
☐ NYC Sewer Discharge
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375
☐ NY TOGS
☐ NY CP-51
Other:

Deliverables:
☑ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
Other:
NELAC and AIHA-LAP, LLC Accredited

Project Entity
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA

Other
☐ Chromatogram
☐ AIHA-LAP, LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

0.3/0 0930 6/11/23

Table of Contents

Pace Analytical
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Fax: 612-607-6344

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CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

Contact: https://www.pacelabs.com/contact-us/contact-environmental-sciences/

Company Name: NYSDEC/ Arcadis
Address: 625 Broadway 12th floor Albany, NY 12233
Phone: (518) 402 - 9813
Project Name: Stewart ANG-Butterhill
Project Location: New Windsor, NY
Project Number: 30058345
Project Manager: David Chiusano
Pace Analytical Quote Name/Number: Callout ID: 141586
Invoice Recipient: David Chiusano
Sampled By: Case VandeValk, Casey Radomski, Meg Fitzgerald

Requested Turnaround Time: 7-Day ☐ 10-Day ☑
Due Date:
Rush Turnaround Time Required: 1-Day ☐ 3-Day ☐ 2-Day ☐ 4-Day ☐
Deliverables: Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To:
Fax To #:

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	EPA 533
11	BH20230906-3RAW	9/6/23	11:06		✓	DW		2
	~~BH20230906~~ MJ							
	~~BH20230906~~							
	~~BH20230906~~							
	~~BH20230906~~							
	~~BH20230906~~							
	~~BH20230906~~							
	~~BH20230906~~							
	~~BH20230906~~							
	~~BH20230906~~							

# of Containers: 2
[2] Preservation Code: I
[3] Container Code: P

ANALYSIS REQUESTED

Dissolved Metals Samples: ☐ Field Filtered ☐ Lab to Filter
Orthophosphate Samples: ☐ Field Filtered ☐ Lab to Filter

[1] **Matrix Codes:**
GW = Ground Water
WW = Waste Water
DW = Drinking Water
A = Air
S = Soil
SL = Sludge
SOL = Solid
O = Other (please define)

[2] **Preservation Codes:**
I = Iced
H = HCL
M = Methanol
N = Nitric Acid
S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide
T = Sodium Thiosulfate
O = Other (please define)

[3] **Container Codes:**
A = Amber Glass
G = Glass
P = Plastic
ST = Sterile
V = Vial
S = Summa Canister
T = Tedlar Bag
O = Other (please define)

Comments:
Please results to DanaBryant@arcadis.com

Please use the following codes to indicate possible sample concentration within the Conc Code column above:
H - High; M - Medium; L - Low; C - Clean; U - Unknown

Relinquished / Received	Date/Time
Relinquished by: (signature) Meg Fitzgerald	9/6 12:35
Received by: (signature) [signature]	9/6 1535
Relinquished by: (signature)	9/6/23 1715
Received by: (signature) [signature]	9/6 12:25
Relinquished by: (signature) [signature] 9/6/23 1530	.1C
Received by: (signature) [signature]	9/6/23

Program / Regulatory Information:
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
☐ Part 360 GW (Landfill)
☐ NY Restricted Use
☐ NY Unrestricted Use
☐ NY Part 375

Deliverables:
☑ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD

Other
Site:
NELAC and AIHA-LAP, LLC Accredited

Project Entity:
☐ Government ☐ Municipality ☐ MWRA ☐ WRTA
☐ Federal ☐ 21 J ☐ School
☐ City ☐ Brownfield ☐ MBTA
[signature] 9/6 2120

Other: ☐ Chromatogram ☐ AIHA-LAP,LLC

PCB ONLY: ☐ Soxhlet ☐ Non Soxhlet

Table of Contents

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Log In Back-Sheet

Client Arcadis

Project Stewart AW6-Butterhill

MCP/RCP Required NA

Deliverable Package Requirement NA

Location New Windsor, NY

PWSID# (When Applicable) NA

Arrival Method:

Courier ☑ Fed Ex ☐ Walk In ☐ Other ☐

Received By / Date / Time AM 9/7/23 930

Back-Sheet By / Date / Time LA 9/7/23 12 35

Temperature Method Gun # 5

Temp ✓ < 6° C Actual Temperature 4.0/2.7/2.0/3.<1

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

Login Sample Receipt Checklist – (Rejection Criteria Listing – Using Acceptance Policy) Any False statement will be brought to the attention of the Client – True or False

	True	False
Received on Ice	☑	☐
Received in Cooler	☑	☐
Custody Seal: DATE TIME	☐	☑
COC Relinquished	☑	☐
COC/Samples Labels Agree	☑	☐
All Samples in Good Condition	☑	☐
Samples Received within Holding Time	☑	☐
Is there enough Volume	☑	☐
Proper Media/Container Used	☑	☐
Splitting Samples Required	☐	☑
MS/MSD	☐	☑
Trip Blanks	☐	☑
Lab to Filters	☐	☑
COC Legible	☑ ✓	☐

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☑ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Additional Container Notes

Note: West Virginia requires all samples to have their temperature taken. Note any outliers.

Qualtrax ID: 120836

Pace ANALYTICAL SERVICES	DC#_Title: ENV-FRM-ELON-0001 v07_Sample Receiving Checklist
	Effective Date: 07/13/2023

Sample			
16oz Amb/Clear	Soils Jars (Circle Amb/Clear)		
8oz Amb/Clear			
4oz Amb/Clear			
2oz Amb/Clear			
Unpreserved	Ambers	1 Liter	
HCL			
Sulfuric			
Sulfuric		250mL	
Phosphoric			
HCl			
Unpreserved		100mL	
Unpreserved	Plastics	1 Liter	
Sulfuric			
Unpreserved		500mL	
Sulfuric			
Unpreserved		250mL	
Trizma			
Sulfuric			
Nitric			
NaOH			
Ammonium Acetate			
NaOH/Zinc			
Unpreserved	VOA Vials		
HCl			
MeOH			
D.I. Water			
BiSulfate			
Col/Bact	Other / Fill in		

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20

Qualtrax ID: 120836