NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Office of the Director
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June 21, 2024

Mr. Stephen A. Bedetti, 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 Bedetti:

The New York State Department of Environmental Conservation (DEC) is providing you with a copy of analytical results derived from the **June 5, 2024** 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.

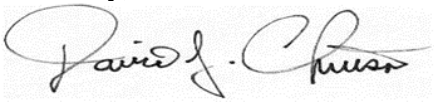
- pre-treatment (combined raw untreated water), which has a “BH20240605PRE-GAC” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20240605-1N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20240605-1N-50” identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20240605-1N-75” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20240605-2N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20240605-2N-50” identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20240605-2N-75” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20240605-3N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20240605-3N-50” identifier in the Client Sample ID;

- 75 % treatment (within the lead GAC canister in Pair Train No. 3), which has a “BH20240605-3N-75” identifier in the Client Sample ID;
- Butterhill Well No.1 raw untreated water; which has a “BH20240605-1RAW” identifier in the Client Sample ID;
- Butterhill Well No.2 raw untreated water; which has a “BH20240605-2RAW” identifier in the Client Sample ID;
- Butterhill Well No.3 raw untreated water; which has a “BH20240605-3RAW” identifier in the Client Sample ID;
- Post-treatment (treated water after all GAC trains), which has a “BH20240605POST-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 “BH20240605-1 MID” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 1), which has a “BH20240605-1 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 “BH20240605-2 MID” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 2), which has a “BH20240605-2 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 “BH20240605-3 MID” identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 3), which has a “BH20240605-3 POST” identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20240605-1S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20240605-1S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 1), which has a “BH20240605-1S-75” identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20240605-2S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20240605-2S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 2), which has a “BH20240605-2S-75” identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20240605-3S-25” identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20240605-3S-50” identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 3), which has a “BH20240605-3S-75” identifier in the Client Sample ID;

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

If you have any technical questions regarding the analytical results or on the operation and performance of the GAC treatment system, please feel free to contact me or Dana Bryant, P.E., Arcadis (DEC's Project Engineer) at (518) 250-7347 or dana.bryant@arcadis.com . For weekday or off hour / weekend emergency repair issues, please call DEC's contractor, Mike Miller at (631) 447-6400. Ext. 112. 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,



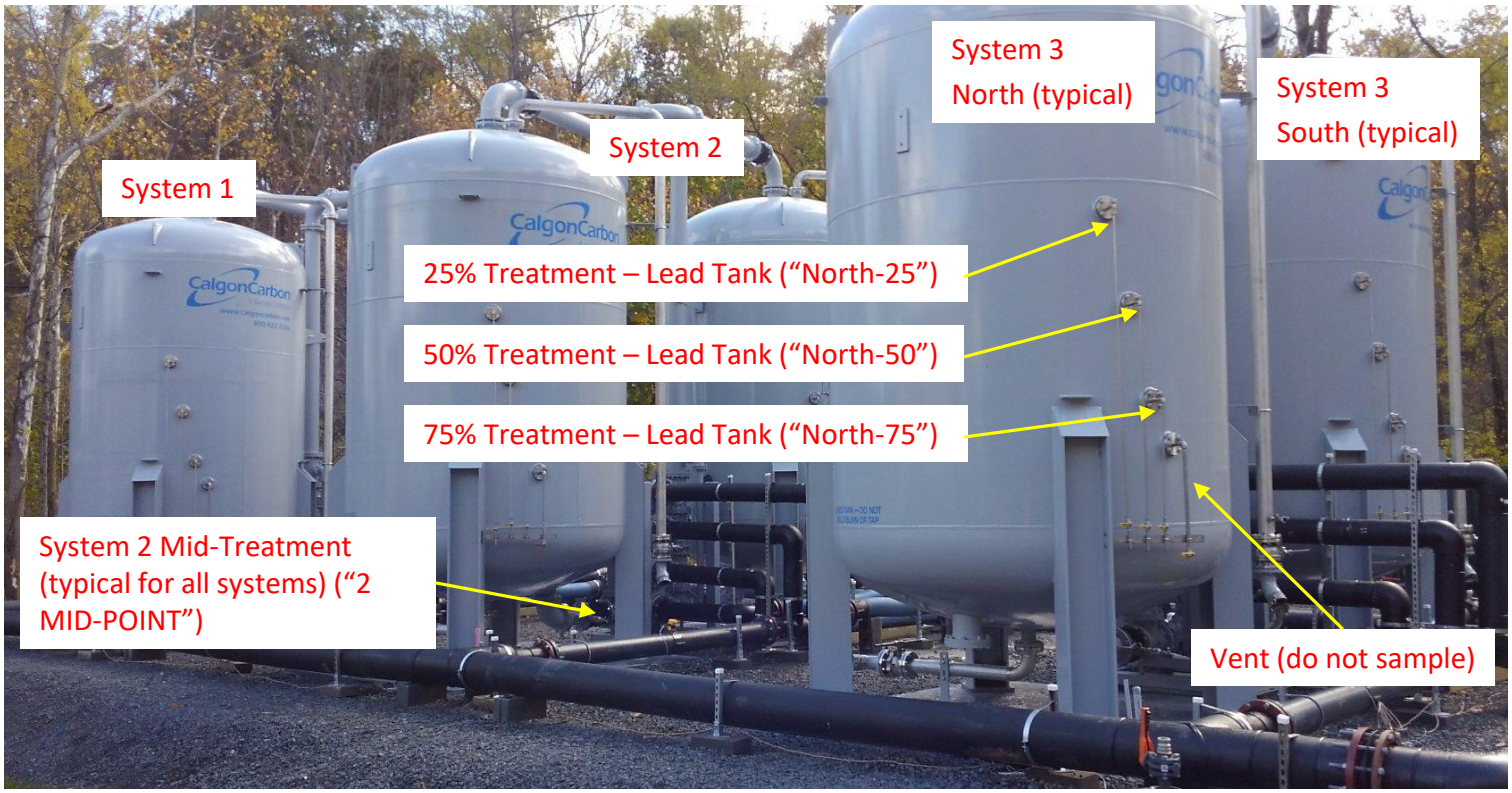
David J. Chiusano
Environmental Engineer/Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

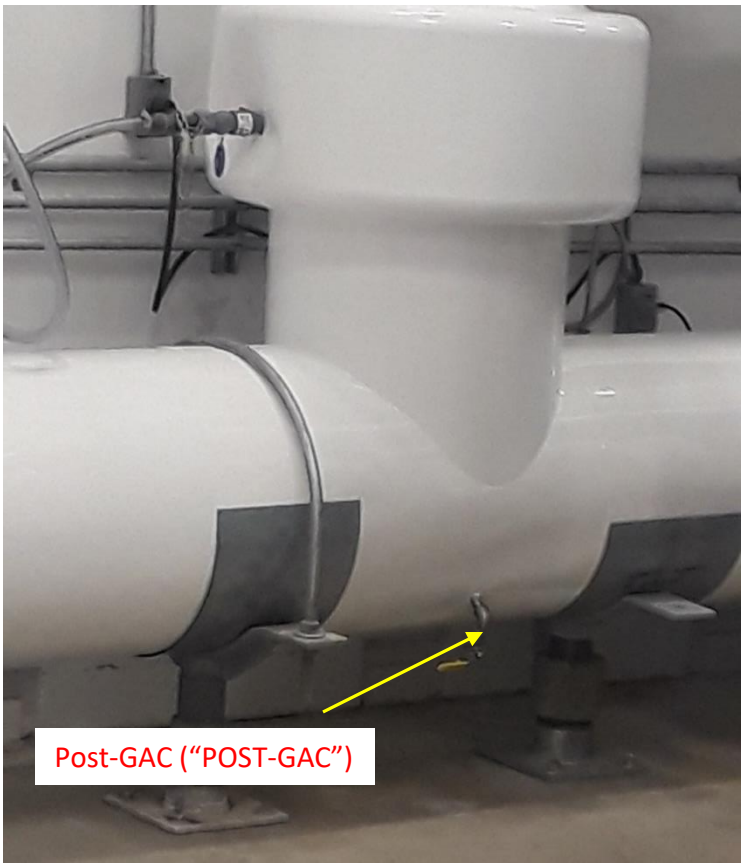
Enclosures

ec: w/enclosures
D. Zagon, Town of New Windsor
J. Egitto, Town of New Windsor
M. Weeks, MHE
S. Gladding, NYSDOH
K. Wheeler, NYSDOH
M. Doroski/K. Kulow, NYSDOH
S. Gagnon, OCDOH
M. Andersen, OCDOH
D. Bryant, Arcadis
D. Harrington, NYSDEC_DER
M. Cruden, NYSDEC-DER
B. Rung, NYSDEC-DER
D. Pollack, Region 3 DER
M. Miller, EAR

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
December 2023 (Well 1)	PFOA	3.4	4.0	3.4	10	1.8	ND	ND	2.0	ND	ND	2.1	ND	ND	ND	10^4
	PFOS	5.8	4.7	7.2	7.2	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	10^4
March 2024 (Well 2)	PFOA	3.3	4.1	3.6	3.7	2.8	2.1	ND	3.0	2.9	ND	4.0	2.8	ND	ND	10^4
	PFOS	6.8	5.5	5.0	5.0	3.2	2.1	ND	4.5	2.2	ND	3.0	ND	ND	ND	10^4
June 2024 (Well 3)**	PFOA	2.9	2.7	3.4	2.9	ND	3.3	2.4	3.0	2.3	2.7	2.7	2.2	2.1	ND	10^4
	PFOS	6.7	5.4	6.2	3.1	ND	4.6	2.3	4.4	2.5	1.2	3.9	2.3	1.5	ND	10^4

Notes:

* Method 533 List Analysis

** At the time of sampling (06/05/2024) Production Well 3 was feeding the plant. Last GAC change completed in December 2023 on all 3 lag (south) vessels

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.

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
December 2023 (Well 1)	PFOA	NS	ND	NS	NS	NS	NS	ND	NS	NS	NS	NS	ND	NS	NS	NS	10^3
	PFOS	NS	ND	NS	NS	NS	NS	ND	NS	NS	NS	NS	ND	NS	NS	NS	10^3
March 2024 (Well 2)**	PFOA	ND	ND	2.0	ND	ND	ND	ND	ND	ND	ND	2.0	ND	ND	ND	ND	10^3
	PFOS	ND	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10^3
June 2024 (Well 3)**	PFOA	2.2	ND	ND	ND	ND	1.8	0.63	ND	ND	0.96	1.5	ND	0.69	1.2	ND	10^3
	PFOS	2.0	ND	ND	ND	ND	1.2	ND	ND	ND	ND	1.1	ND	ND	ND	ND	10^3

Notes:

* Method 533 List Analysis

** At the time of sampling (6/05/2024) Production Well 3 was feeding the plant. Last GAC change completed in December 2023 on all 3 lag (south) vessels

6. PFOS and PFOA results and comparison values are reported in parts per trillion (ppt, nanograms per liter, ng/l).
7. "ND" means non-detect. The analyte was not detected in the sample.
8. The NYS maximum contaminant levels (MCLs) are 10 ppt for PFOS and 10 ppt for PFOA.
9. NS: Not Sampled
10. 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.

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June 21, 2024

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

Project Location: New Windsor, New York
Client Job Number:
Project Number: 336089
Laboratory Work Order Number: 24F0814

Enclosed are results of analyses for samples as received by the laboratory on June 6, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

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

REPORT DATE: 6/21/2024

PURCHASE ORDER NUMBER: 151957

PROJECT NUMBER: 336089

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24F0814

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, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
BH20240605-3N-50	24F0814-01	Drinking Water		EPA 533	
BH20240605-3N-75	24F0814-02	Drinking Water		EPA 533	
BH20240605-3MID	24F0814-03	Drinking Water		EPA 533	
BH20240605-3S-25	24F0814-04	Drinking Water		EPA 533	
BH20240605-3S-50	24F0814-05	Drinking Water		EPA 533	
BH20240605-3S-75	24F0814-06	Drinking Water		EPA 533	
BH20240605-3POST	24F0814-07	Drinking Water		EPA 533	
BH20240605-1RAW	24F0814-08	Drinking Water		EPA 533	
BH20240605-2RAW	24F0814-09	Drinking Water		EPA 533	
BH20240605-3RAW	24F0814-10	Drinking Water		EPA 533	

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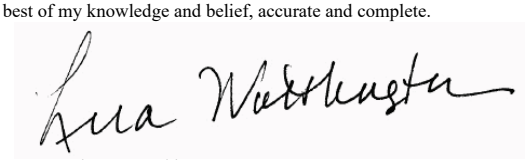
CASE NARRATIVE SUMMARY

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

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, New York Sample Description: Work Order: 24F0814

Date Received: 6/6/2024

Field Sample #: BH20240605-3N-50 Sampled: 6/5/2024 10:54

Sample ID: 24F0814-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.4	1.9	0.61		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluorobutanesulfonic acid (PFBS)	2.0	1.9	0.56		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluoropentanoic acid (PFPeA)	4.9	1.9	0.55		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluorohexanoic acid (PFHxA)	3.1	1.9	0.60		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.71		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.51		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.95		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.61		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.63		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.78		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.56		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.49		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluorohexanesulfonic acid (PFHxS)	2.8	1.9	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.54		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.49		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.62		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.66		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluoroheptanoic acid (PFHpA)	1.7	1.9	0.52		ng/L	1	J	EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluorooctanoic acid (PFOA)	2.2	1.9	0.53		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluorooctanesulfonic acid (PFOS)	2.3	1.9	0.68		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.95		ng/L	1		EPA 533	6/11/24	6/14/24 14:49	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	76.5	50-200		6/14/24 14:49
M2-8:2FTS	81.3	50-200		6/14/24 14:49
MPFBA	93.9	50-200		6/14/24 14:49
M3HFPO-DA	89.2	50-200		6/14/24 14:49
M6PFDA	81.3	50-200		6/14/24 14:49
M3PFBS	99.6	50-200		6/14/24 14:49
M7PFUnA	88.4	50-200		6/14/24 14:49
M2-6:2FTS	134	50-200		6/14/24 14:49
M5PFPeA	97.1	50-200		6/14/24 14:49
M5PFHxA	93.4	50-200		6/14/24 14:49
M3PFHxS	96.1	50-200		6/14/24 14:49
M4PFHpA	91.0	50-200		6/14/24 14:49
M8PFOA	78.8	50-200		6/14/24 14:49
M8PFOS	95.4	50-200		6/14/24 14:49
M9PFNA	79.2	50-200		6/14/24 14:49
MPFDoA	93.3	50-200		6/14/24 14:49

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0814

Date Received: 6/6/2024

Field Sample #: BH20240605-3N-75 Sampled: 6/5/2024 10:55

Sample ID: 24F0814-02

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.5	1.9	0.62		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluorobutanesulfonic acid (PFBS)	1.5	1.9	0.58		ng/L	1	J	EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluoropentanoic acid (PFPeA)	5.0	1.9	0.57		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluorohexanoic acid (PFHxA)	2.9	1.9	0.62		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.72		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.73		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.53		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.97		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.62		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.81		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.57		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.67		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.50		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluorohexanesulfonic acid (PFHxS)	1.6	1.9	0.67		ng/L	1	J	EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.55		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.51		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.64		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.68		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.67		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluoroheptanoic acid (PFHpA)	1.1	1.9	0.54		ng/L	1	J	EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluorooctanoic acid (PFOA)	2.1	1.9	0.54		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluorooctanesulfonic acid (PFOS)	1.5	1.9	0.70		ng/L	1	J	EPA 533	6/11/24	6/14/24 14:56	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.98		ng/L	1		EPA 533	6/11/24	6/14/24 14:56	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	65.4	50-200		6/14/24 14:56
M2-8:2FTS	71.7	50-200		6/14/24 14:56
MPFBA	91.6	50-200		6/14/24 14:56
M3HFPO-DA	88.2	50-200		6/14/24 14:56
M6PFDA	51.8	50-200		6/14/24 14:56
M3PFBS	93.9	50-200		6/14/24 14:56
M7PFUnA	64.6	50-200		6/14/24 14:56
M2-6:2FTS	114	50-200		6/14/24 14:56
M5PFPeA	89.2	50-200		6/14/24 14:56
M5PFHxA	84.0	50-200		6/14/24 14:56
M3PFHxS	91.5	50-200		6/14/24 14:56
M4PFHpA	79.7	50-200		6/14/24 14:56
M8PFOA	64.4	50-200		6/14/24 14:56
M8PFOS	87.8	50-200		6/14/24 14:56
M9PFNA	54.0	50-200		6/14/24 14:56
MPFDoA	77.5	50-200		6/14/24 14:56

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0814

Date Received: 6/6/2024

Field Sample #: BH20240605-3MID Sampled: 6/5/2024 10:58

Sample ID: 24F0814-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.3	1.9	0.62		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluorobutanesulfonic acid (PFBS)	1.3	1.9	0.58		ng/L	1	J	EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluoropentanoic acid (PFPeA)	4.3	1.9	0.56		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluorohexanoic acid (PFHxA)	2.5	1.9	0.61		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.72		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.73		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.53		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.97		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.62		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.65		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.81		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.57		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.67		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.50		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluorohexanesulfonic acid (PFHxS)	1.2	1.9	0.67		ng/L	1	J	EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.55		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.50		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.64		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.68		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.67		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluoroheptanoic acid (PFHpA)	0.96	1.9	0.54		ng/L	1	J	EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluorooctanoic acid (PFOA)	1.5	1.9	0.54		ng/L	1	J	EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluorooctanesulfonic acid (PFOS)	1.1	1.9	0.70		ng/L	1	J	EPA 533	6/18/24	6/20/24 19:59	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.97		ng/L	1		EPA 533	6/18/24	6/20/24 19:59	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	66.3	50-200		6/20/24 19:59
M2-8:2FTS	95.2	50-200		6/20/24 19:59
MPFBA	103	50-200		6/20/24 19:59
M3HFPO-DA	91.1	50-200		6/20/24 19:59
M6PFDA	97.5	50-200		6/20/24 19:59
M3PFBS	87.9	50-200		6/20/24 19:59
M7PFUnA	96.7	50-200		6/20/24 19:59
M2-6:2FTS	161	50-200		6/20/24 19:59
M5PFPeA	139	50-200		6/20/24 19:59
M5PFHxA	89.5	50-200		6/20/24 19:59
M3PFHxS	99.3	50-200		6/20/24 19:59
M4PFHpA	90.9	50-200		6/20/24 19:59
M8PFOA	101	50-200		6/20/24 19:59
M8PFOS	101	50-200		6/20/24 19:59
M9PFNA	101	50-200		6/20/24 19:59
MPFDoA	96.6	50-200		6/20/24 19:59

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0814

Date Received: 6/6/2024

Field Sample #: BH20240605-3S-25 Sampled: 6/5/2024 11:00

Sample ID: 24F0814-04

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.6	1.8	0.60		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluorobutanesulfonic acid (PFBS)	0.81	1.8	0.56		ng/L	1	J	EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluoropentanoic acid (PFPeA)	4.7	1.8	0.55		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluorohexanoic acid (PFHxA)	1.9	1.8	0.60		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.70		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.71		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.51		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.94		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8	0.60		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.63		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.78		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.55		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8	0.48		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.64		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.53		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.49		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8	1.4		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.62		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.66		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluoroheptanoic acid (PFHpA)	0.57	1.8	0.52		ng/L	1	J	EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluorooctanoic acid (PFOA)	0.69	1.8	0.52		ng/L	1	J	EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.67		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.94		ng/L	1		EPA 533	6/11/24	6/14/24 15:10	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	64.6	50-200		6/14/24 15:10
M2-8:2FTS	76.7	50-200		6/14/24 15:10
MPFBA	92.5	50-200		6/14/24 15:10
M3HFPO-DA	113	50-200		6/14/24 15:10
M6PFDA	92.6	50-200		6/14/24 15:10
M3PFBS	99.2	50-200		6/14/24 15:10
M7PFUnA	101	50-200		6/14/24 15:10
M2-6:2FTS	145	50-200		6/14/24 15:10
M5PFPeA	88.3	50-200		6/14/24 15:10
M5PFHxA	92.0	50-200		6/14/24 15:10
M3PFHxS	92.4	50-200		6/14/24 15:10
M4PFHpA	91.0	50-200		6/14/24 15:10
M8PFOA	87.6	50-200		6/14/24 15:10
M8PFOS	95.0	50-200		6/14/24 15:10
M9PFNA	94.2	50-200		6/14/24 15:10
MPFDoA	102	50-200		6/14/24 15:10

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0814

Date Received: 6/6/2024

Field Sample #: BH20240605-3S-50 Sampled: 6/5/2024 11:02

Sample ID: 24F0814-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.8	1.9	0.61		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluorobutanesulfonic acid (PFBS)	0.99	1.9	0.56		ng/L	1	J	EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluoropentanoic acid (PFPeA)	4.6	1.9	0.55		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluorohexanoic acid (PFHxA)	1.8	1.9	0.60		ng/L	1	J	EPA 533	6/11/24	6/14/24 15:26	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.71		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.51		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.95		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.61		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.64		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.79		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.56		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.49		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.54		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.49		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.62		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.66		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.66		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluoroheptanoic acid (PFHpA)	0.60	1.9	0.52		ng/L	1	J	EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluorooctanoic acid (PFOA)	1.2	1.9	0.53		ng/L	1	J	EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.68		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.95		ng/L	1		EPA 533	6/11/24	6/14/24 15:26	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	62.7	50-200		6/14/24 15:26
M2-8:2FTS	71.3	50-200		6/14/24 15:26
MPFBA	85.4	50-200		6/14/24 15:26
M3HFPO-DA	88.8	50-200		6/14/24 15:26
M6PFDA	67.3	50-200		6/14/24 15:26
M3PFBS	91.5	50-200		6/14/24 15:26
M7PFUnA	72.0	50-200		6/14/24 15:26
M2-6:2FTS	116	50-200		6/14/24 15:26
M5PFPeA	78.5	50-200		6/14/24 15:26
M5PFHxA	78.2	50-200		6/14/24 15:26
M3PFHxS	87.7	50-200		6/14/24 15:26
M4PFHpA	75.1	50-200		6/14/24 15:26
M8PFOA	68.0	50-200		6/14/24 15:26
M8PFOS	89.5	50-200		6/14/24 15:26
M9PFNA	65.5	50-200		6/14/24 15:26
MPFDoA	80.0	50-200		6/14/24 15:26

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Project Location: New Windsor, New York | Sample Description: | Work Order: 24F0814

Date Received: 6/6/2024

Field Sample #: BH20240605-3S-75 | Sampled: 6/5/2024 11:04

Sample ID: 24F0814-06

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.3	1.9	0.61		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.57		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluoropentanoic acid (PFPeA)	2.6	1.9	0.56		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.61		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.71		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.72		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.52		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.96		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.61		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.64		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.79		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.56		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.66		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.49		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.66		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.54		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.50		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.63		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.67		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.66		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.53		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9	0.53		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.69		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.96		ng/L	1		EPA 533	6/18/24	6/20/24 20:06	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	63.2	50-200		6/20/24 20:06
M2-8:2FTS	86.5	50-200		6/20/24 20:06
MPFBA	91.6	50-200		6/20/24 20:06
M3HFPO-DA	80.9	50-200		6/20/24 20:06
M6PFDA	90.2	50-200		6/20/24 20:06
M3PFBS	88.8	50-200		6/20/24 20:06
M7PFUnA	84.1	50-200		6/20/24 20:06
M2-6:2FTS	159	50-200		6/20/24 20:06
M5PFPeA	112	50-200		6/20/24 20:06
M5PFHxA	81.9	50-200		6/20/24 20:06
M3PFHxS	95.6	50-200		6/20/24 20:06
M4PFHpA	85.4	50-200		6/20/24 20:06
M8PFOA	99.1	50-200		6/20/24 20:06
M8PFOS	87.2	50-200		6/20/24 20:06
M9PFNA	97.4	50-200		6/20/24 20:06
MPFDoA	87.3	50-200		6/20/24 20:06

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Project Location: New Windsor, New York | Sample Description: | Work Order: 24F0814

Date Received: 6/6/2024

Field Sample #: BH20240605-3POST | Sampled: 6/5/2024 11:05

Sample ID: 24F0814-07

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.0	2.0	0.65		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	0.60		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluoropentanoic acid (PFPeA)	2.2	2.0	0.59		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluorohexanoic acid (PFHxA)	ND	2.0	0.64		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.75		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.0	0.76		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.55		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	1.0		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0	0.65		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluorodecanoic acid (PFDA)	ND	2.0	0.68		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.84		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.59		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.69		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0	0.52		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.69		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.57		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.52		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0	1.5		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	0.66		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.71		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.70		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.56		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluorooctanoic acid (PFOA)	ND	2.0	0.56		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	0.72		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW
Perfluorononanoic acid (PFNA)	ND	2.0	1.0		ng/L	1		EPA 533	6/18/24	6/20/24 20:13	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	63.9	50-200		6/20/24 20:13
M2-8:2FTS	98.1	50-200		6/20/24 20:13
MPFBA	98.8	50-200		6/20/24 20:13
M3HFPO-DA	91.6	50-200		6/20/24 20:13
M6PFDA	104	50-200		6/20/24 20:13
M3PFBS	99.5	50-200		6/20/24 20:13
M7PFUnA	96.5	50-200		6/20/24 20:13
M2-6:2FTS	163	50-200		6/20/24 20:13
M5PFPeA	120	50-200		6/20/24 20:13
M5PFHxA	89.0	50-200		6/20/24 20:13
M3PFHxS	110	50-200		6/20/24 20:13
M4PFHpA	93.8	50-200		6/20/24 20:13
M8PFOA	105	50-200		6/20/24 20:13
M8PFOS	106	50-200		6/20/24 20:13
M9PFNA	110	50-200		6/20/24 20:13
MPFDoA	89.3	50-200		6/20/24 20:13

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Project Location: New Windsor, New York | Sample Description: | Work Order: 24F0814

Date Received: 6/6/2024

Field Sample #: BH20240605-1RAW | Sampled: 6/5/2024 11:43

Sample ID: 24F0814-08

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.8	1.9	0.61		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluorobutanesulfonic acid (PFBS)	5.1	1.9	0.57		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluoropentanoic acid (PFPeA)	1.7	1.9	0.55		ng/L	1	J	EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.60		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.71		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.72		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.52		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.95		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.61		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.64		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.79		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.56		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.49		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluorohexanesulfonic acid (PFHxS)	4.0	1.9	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.54		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.50		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.63		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.67		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.66		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.53		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluorooctanoic acid (PFOA)	2.9	1.9	0.53		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluorooctanesulfonic acid (PFOS)	6.7	1.9	0.68		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.96		ng/L	1		EPA 533	6/11/24	6/14/24 16:02	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	70.7	50-200		6/14/24 16:02
M2-8:2FTS	86.4	50-200		6/14/24 16:02
MPFBA	90.3	50-200		6/14/24 16:02
M3HFPO-DA	79.4	50-200		6/14/24 16:02
M6PFDA	80.7	50-200		6/14/24 16:02
M3PFBS	89.4	50-200		6/14/24 16:02
M7PFUnA	86.0	50-200		6/14/24 16:02
M2-6:2FTS	120	50-200		6/14/24 16:02
M5PFPeA	85.9	50-200		6/14/24 16:02
M5PFHxA	83.5	50-200		6/14/24 16:02
M3PFHxS	87.3	50-200		6/14/24 16:02
M4PFHpA	85.3	50-200		6/14/24 16:02
M8PFOA	75.8	50-200		6/14/24 16:02
M8PFOS	85.9	50-200		6/14/24 16:02
M9PFNA	75.5	50-200		6/14/24 16:02
MPFDoA	91.6	50-200		6/14/24 16:02

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0814

Date Received: 6/6/2024

Field Sample #: BH20240605-2RAW Sampled: 6/5/2024 11:25

Sample ID: 24F0814-09

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.4	1.7	0.56		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluorobutanesulfonic acid (PFBS)	1.7	1.7	0.52		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluoropentanoic acid (PFPeA)	3.1	1.7	0.51		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluorohexanoic acid (PFHxA)	1.3	1.7	0.56		ng/L	1	J	EPA 533	6/11/24	6/14/24 16:09	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.7	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.7	0.66		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7	0.48		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7	0.88		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7	0.57		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluorodecanoic acid (PFDA)	ND	1.7	0.59		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.7	0.73		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7	0.52		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7	0.60		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7	0.45		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluorohexanesulfonic acid (PFHxS)	3.7	1.7	0.60		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7	0.50		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7	0.46		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.7	1.3		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.7	0.58		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.7	0.62		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7	0.61		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluoroheptanoic acid (PFHpA)	1.1	1.7	0.49		ng/L	1	J	EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluorooctanoic acid (PFOA)	2.7	1.7	0.49		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluorooctanesulfonic acid (PFOS)	5.4	1.7	0.63		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW
Perfluorononanoic acid (PFNA)	ND	1.7	0.88		ng/L	1		EPA 533	6/11/24	6/14/24 16:09	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	78.2	50-200		6/14/24 16:09
M2-8:2FTS	76.1	50-200		6/14/24 16:09
MPFBA	89.3	50-200		6/14/24 16:09
M3HFPO-DA	78.0	50-200		6/14/24 16:09
M6PFDA	64.0	50-200		6/14/24 16:09
M3PFBS	98.8	50-200		6/14/24 16:09
M7PFUnA	70.2	50-200		6/14/24 16:09
M2-6:2FTS	118	50-200		6/14/24 16:09
M5PFPeA	91.5	50-200		6/14/24 16:09
M5PFHxA	87.6	50-200		6/14/24 16:09
M3PFHxS	96.1	50-200		6/14/24 16:09
M4PFHpA	85.8	50-200		6/14/24 16:09
M8PFOA	79.2	50-200		6/14/24 16:09
M8PFOS	100	50-200		6/14/24 16:09
M9PFNA	69.5	50-200		6/14/24 16:09
MPFDoA	74.7	50-200		6/14/24 16:09

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Project Location: New Windsor, New York | Sample Description: | Work Order: 24F0814

Date Received: 6/6/2024

Field Sample #: BH20240605-3RAW | Sampled: 6/5/2024 11:12

Sample ID: 24F0814-10

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.9	1.8	0.58		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluorobutanesulfonic acid (PFBS)	2.6	1.8	0.54		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluoropentanoic acid (PFPeA)	5.1	1.8	0.53		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluorohexanoic acid (PFHxA)	4.3	1.8	0.57		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.67		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.68		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.49		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.91		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8	0.58		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.61		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.75		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.53		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.62		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8	0.47		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluorohexanesulfonic acid (PFHxS)	4.6	1.8	0.62		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.52		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.47		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8	1.3		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.60		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.64		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.63		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluoroheptanoic acid (PFHpA)	2.2	1.8	0.50		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluorooctanoic acid (PFOA)	3.4	1.8	0.51		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluorooctanesulfonic acid (PFOS)	6.2	1.8	0.65		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.91		ng/L	1		EPA 533	6/11/24	6/14/24 16:16	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	72.9	50-200		6/14/24 16:16
M2-8:2FTS	76.0	50-200		6/14/24 16:16
MPFBA	89.2	50-200		6/14/24 16:16
M3HFPO-DA	86.6	50-200		6/14/24 16:16
M6PFDA	82.5	50-200		6/14/24 16:16
M3PFBS	91.5	50-200		6/14/24 16:16
M7PFUnA	91.6	50-200		6/14/24 16:16
M2-6:2FTS	123	50-200		6/14/24 16:16
M5PFPeA	90.4	50-200		6/14/24 16:16
M5PFHxA	86.3	50-200		6/14/24 16:16
M3PFHxS	85.8	50-200		6/14/24 16:16
M4PFHpA	86.6	50-200		6/14/24 16:16
M8PFOA	81.9	50-200		6/14/24 16:16
M8PFOS	87.7	50-200		6/14/24 16:16
M9PFNA	84.7	50-200		6/14/24 16:16
MPFDoA	92.8	50-200		6/14/24 16:16

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Sample Extraction Data

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24F0814-01 [BH20240605-3N-50]	B376669	270	1.00	06/11/24
24F0814-02 [BH20240605-3N-75]	B376669	262	1.00	06/11/24
24F0814-04 [BH20240605-3S-25]	B376669	272	1.00	06/11/24
24F0814-05 [BH20240605-3S-50]	B376669	269	1.00	06/11/24
24F0814-08 [BH20240605-1RAW]	B376669	268	1.00	06/11/24
24F0814-09 [BH20240605-2RAW]	B376669	290	1.00	06/11/24
24F0814-10 [BH20240605-3RAW]	B376669	281	1.00	06/11/24

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24F0814-03RE1 [BH20240605-3MID]	B377504	263	1.00	06/18/24
24F0814-06RE1 [BH20240605-3S-75]	B377504	267	1.00	06/18/24
24F0814-07RE1 [BH20240605-3POST]	B377504	253	1.00	06/18/24

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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 B376669 - EPA 533											
Blank (B376669-BLK1)					Prepared: 06/11/24 Analyzed: 06/14/24						
Perfluorobutanoic acid (PFBA)	ND	1.8	0.58	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.54	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.8	0.53	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.58	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.67	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.69	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.49	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.91	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.58	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.8	0.61	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.75	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.53	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.62	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.47	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.62	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.52	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.47	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.3	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.60	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.64	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.63	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.50	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.8	0.51	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.65	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.8	0.91	ng/L							
Surrogate: M2-4:2FTS	*24.8*			ng/L	33.4		74.2	50-200			
Surrogate: M2-8:2FTS	*29.1*			ng/L	34.2		85.1	50-200			
Surrogate: MPFBA	*33.5*			ng/L	35.6		94.2	50-200			
Surrogate: M3HFPO-DA	*37.8*			ng/L	35.6		106	50-200			
Surrogate: M6PFDA	*32.3*			ng/L	35.6		90.6	50-200			
Surrogate: M3PFBS	*33.1*			ng/L	33.2		99.7	50-200			
Surrogate: M7PFUnA	*34.9*			ng/L	35.6		98.1	50-200			
Surrogate: M2-6:2FTS	*61.5*			ng/L	33.9		182	50-200			
Surrogate: M5PFPeA	*29.4*			ng/L	35.6		82.5	50-200			
Surrogate: M5PFHxA	*31.8*			ng/L	35.6		89.4	50-200			
Surrogate: M3PFHxS	*31.1*			ng/L	33.8		92.2	50-200			
Surrogate: M4PFHpA	*33.7*			ng/L	35.6		94.8	50-200			
Surrogate: M8PFOA	*32.8*			ng/L	35.6		92.0	50-200			
Surrogate: M8PFOS	*33.5*			ng/L	34.1		98.1	50-200			
Surrogate: M9PFNA	*34.0*			ng/L	35.6		95.6	50-200			
Surrogate: MPFDoA	*33.6*			ng/L	35.6		94.5	50-200			
LCS (B376669-BS1)					Prepared: 06/11/24 Analyzed: 06/14/24						
Perfluorobutanoic acid (PFBA)	2.03	1.8	0.59	ng/L	1.80		113	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.74	1.8	0.55	ng/L	1.60		109	50-150			J
Perfluoropentanoic acid (PFPeA)	2.28	1.8	0.53	ng/L	1.80		126	50-150			
Perfluorohexanoic acid (PFHxA)	1.97	1.8	0.58	ng/L	1.80		109	50-150			
11Cl-PF3OUdS (F53B Major)	1.65	1.8	0.68	ng/L	1.70		97.3	50-150			J

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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 B376669 - EPA 533											
LCS (B376669-BS1)					Prepared: 06/11/24 Analyzed: 06/14/24						
9Cl-PF3ONS (F53B Minor)	1.40	1.8	0.69	ng/L	1.68		83.6	50-150			J
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.57	1.8	0.50	ng/L	1.70		92.7	50-150			J
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.48	1.8	0.92	ng/L	1.80		82.2	50-150			J
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.47	1.8	0.59	ng/L	1.73		85.1	50-150			J
Perfluorodecanoic acid (PFDA)	1.85	1.8	0.62	ng/L	1.80		103	50-150			
Perfluorododecanoic acid (PFDoA)	2.32	1.8	0.76	ng/L	1.80		129	50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.60	1.8	0.54	ng/L	1.60		100	50-150			J
Perfluoroheptanesulfonic acid (PFHpS)	1.79	1.8	0.63	ng/L	1.72		104	50-150			J
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.68	1.8	0.47	ng/L	1.69		99.9	50-150			J
Perfluorohexanesulfonic acid (PFHxS)	1.98	1.8	0.63	ng/L	1.65		120	50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.75	1.8	0.52	ng/L	1.80		97.4	50-150			J
Perfluoro-5-oxahexanoic acid (PFMBA)	1.95	1.8	0.48	ng/L	1.80		108	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	2.01	1.8	1.3	ng/L	1.71		117	50-150			
Perfluoropentanesulfonic acid (PFPeS)	1.69	1.8	0.61	ng/L	1.69		99.5	50-150			J
Perfluoroundecanoic acid (PFUnA)	1.84	1.8	0.64	ng/L	1.80		102	50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.06	1.8	0.64	ng/L	1.80		114	50-150			
Perfluoroheptanoic acid (PFHpA)	2.07	1.8	0.51	ng/L	1.80		115	50-150			
Perfluorooctanoic acid (PFOA)	2.17	1.8	0.51	ng/L	1.80		120	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.98	1.8	0.66	ng/L	1.67		119	50-150			
Perfluorononanoic acid (PFNA)	2.05	1.8	0.92	ng/L	1.80		114	50-150			
Surrogate: M2-4:2FTS	*27.8*			ng/L	33.8		82.2	50-200			
Surrogate: M2-8:2FTS	*30.7*			ng/L	34.6		88.7	50-200			
Surrogate: MPFBA	*31.9*			ng/L	36.0		88.6	50-200			
Surrogate: M3HFPO-DA	*35.0*			ng/L	36.0		97.0	50-200			
Surrogate: M6PFDA	*32.0*			ng/L	36.0		88.9	50-200			
Surrogate: M3PFBS	*32.9*			ng/L	33.6		98.1	50-200			
Surrogate: M7PFUnA	*32.8*			ng/L	36.0		91.0	50-200			
Surrogate: M2-6:2FTS	*46.9*			ng/L	34.3		137	50-200			
Surrogate: M5PFPeA	*27.8*			ng/L	36.0		77.1	50-200			
Surrogate: M5PFHxA	*30.0*			ng/L	36.0		83.1	50-200			
Surrogate: M3PFHxS	*32.2*			ng/L	34.2		94.3	50-200			
Surrogate: M4PFHpA	*31.5*			ng/L	36.0		87.3	50-200			
Surrogate: M8PFOA	*31.3*			ng/L	36.0		86.7	50-200			
Surrogate: M8PFOS	*31.6*			ng/L	34.6		91.4	50-200			
Surrogate: M9PFNA	*32.5*			ng/L	36.0		90.2	50-200			
Surrogate: MPFDoA	*32.9*			ng/L	36.0		91.4	50-200			
LCS Dup (B376669-BSD1)					Prepared: 06/11/24 Analyzed: 06/14/24						
Perfluorobutanoic acid (PFBA)	2.36	1.8	0.59	ng/L	1.80		131	50-150	15.2	50	
Perfluorobutanesulfonic acid (PFBS)	1.73	1.8	0.54	ng/L	1.59		108	50-150	0.712	50	J
Perfluoropentanoic acid (PFPeA)	2.15	1.8	0.53	ng/L	1.80		119	50-150	5.82	50	
Perfluorohexanoic acid (PFHxA)	1.79	1.8	0.58	ng/L	1.80		99.2	50-150	9.68	50	J
11Cl-PF3OUdS (F53B Major)	1.62	1.8	0.68	ng/L	1.70		95.7	50-150	1.82	50	J
9Cl-PF3ONS (F53B Minor)	1.70	1.8	0.69	ng/L	1.68		102	50-150	19.3	50	J
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.60	1.8	0.50	ng/L	1.70		94.6	50-150	1.94	50	J
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.81	1.8	0.92	ng/L	1.80		101	50-150	20.2	50	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.59	1.8	0.59	ng/L	1.73		91.7	50-150	7.44	50	J

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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 B376669 - EPA 533											
LCS Dup (B376669-BSD1)					Prepared: 06/11/24 Analyzed: 06/14/24						
Perfluorodecanoic acid (PFDA)	2.05	1.8	0.62	ng/L	1.80		114	50-150	10.0	50	
Perfluorododecanoic acid (PFDoA)	2.45	1.8	0.76	ng/L	1.80		136	50-150	5.11	50	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.57	1.8	0.54	ng/L	1.60		98.1	50-150	2.00	50	J
Perfluoroheptanesulfonic acid (PFHpS)	1.64	1.8	0.63	ng/L	1.72		95.2	50-150	8.75	50	J
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.72	1.8	0.47	ng/L	1.68		102	50-150	2.31	50	J
Perfluorohexanesulfonic acid (PFHxS)	1.85	1.8	0.63	ng/L	1.65		112	50-150	6.57	50	
Perfluoro-4-oxapentanoic acid (PFMPA)	1.84	1.8	0.52	ng/L	1.80		102	50-150	4.63	50	
Perfluoro-5-oxahexanoic acid (PFMBA)	1.92	1.8	0.48	ng/L	1.80		106	50-150	1.73	50	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.77	1.8	1.3	ng/L	1.71		103	50-150	12.9	50	J
Perfluoropentanesulfonic acid (PFPeS)	1.63	1.8	0.61	ng/L	1.69		96.6	50-150	3.13	50	J
Perfluoroundecanoic acid (PFUnA)	1.98	1.8	0.64	ng/L	1.80		110	50-150	7.63	50	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.21	1.8	0.64	ng/L	1.80		123	50-150	7.20	50	
Perfluoroheptanoic acid (PFHpA)	2.20	1.8	0.51	ng/L	1.80		122	50-150	6.17	50	
Perfluorooctanoic acid (PFOA)	2.14	1.8	0.51	ng/L	1.80		119	50-150	1.50	50	
Perfluorooctanesulfonic acid (PFOS)	2.21	1.8	0.66	ng/L	1.67		133	50-150	11.3	50	
Perfluorononanoic acid (PFNA)	1.87	1.8	0.92	ng/L	1.80		104	50-150	9.29	50	
Surrogate: M2-4:2FTS	*28.0*			ng/L	33.8		82.9	50-200			
Surrogate: M2-8:2FTS	*30.3*			ng/L	34.6		87.6	50-200			
Surrogate: MPFBA	*33.4*			ng/L	36.0		92.8	50-200			
Surrogate: M3HFPO-DA	*32.2*			ng/L	36.0		89.4	50-200			
Surrogate: M6PFDA	*31.5*			ng/L	36.0		87.4	50-200			
Surrogate: M3PFBS	*32.9*			ng/L	33.6		98.1	50-200			
Surrogate: M7PFUnA	*33.8*			ng/L	36.0		93.9	50-200			
Surrogate: M2-6:2FTS	*46.8*			ng/L	34.2		137	50-200			
Surrogate: M5PFPeA	*30.0*			ng/L	36.0		83.2	50-200			
Surrogate: M5PFHxA	*31.0*			ng/L	36.0		86.1	50-200			
Surrogate: M3PFHxS	*31.5*			ng/L	34.1		92.4	50-200			
Surrogate: M4PFHpA	*32.8*			ng/L	36.0		91.0	50-200			
Surrogate: M8PFOA	*30.6*			ng/L	36.0		85.0	50-200			
Surrogate: M8PFOS	*32.3*			ng/L	34.5		93.5	50-200			
Surrogate: M9PFNA	*33.2*			ng/L	36.0		92.3	50-200			
Surrogate: MPFDoA	*33.7*			ng/L	36.0		93.6	50-200			
Batch B377504 - EPA 533											
Blank (B377504-BLK1)					Prepared: 06/18/24 Analyzed: 06/20/24						
Perfluorobutanoic acid (PFBA)	ND	1.9	0.61	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.56	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.55	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.60	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.72	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.51	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.95	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.61	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9	0.64	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.79	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.56	ng/L							

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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 B377504 - EPA 533											
Blank (B377504-BLK1)					Prepared: 06/18/24 Analyzed: 06/20/24						
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.65	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.49	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.65	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.54	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.49	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.4	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.63	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.66	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.66	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.52	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9	0.53	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.68	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9	0.95	ng/L							
Surrogate: M2-4:2FTS	*26.5*			ng/L	34.9		76.1	50-200			
Surrogate: M2-8:2FTS	*37.8*			ng/L	35.7		106	50-200			
Surrogate: MPFBA	*39.4*			ng/L	37.2		106	50-200			
Surrogate: M3HFPO-DA	*34.5*			ng/L	37.2		92.8	50-200			
Surrogate: M6PFDA	*38.6*			ng/L	37.2		104	50-200			
Surrogate: M3PFBS	*32.9*			ng/L	34.7		95.0	50-200			
Surrogate: M7PFUnA	*37.3*			ng/L	37.2		100	50-200			
Surrogate: M2-6:2FTS	*62.6*			ng/L	35.4		177	50-200			
Surrogate: M5PFPeA	*41.1*			ng/L	37.2		111	50-200			
Surrogate: M5PFHxA	*34.3*			ng/L	37.2		92.3	50-200			
Surrogate: M3PFHxS	*35.5*			ng/L	35.3		101	50-200			
Surrogate: M4PFHpA	*35.2*			ng/L	37.2		94.8	50-200			
Surrogate: M8PFOA	*38.7*			ng/L	37.2		104	50-200			
Surrogate: M8PFOS	*36.4*			ng/L	35.7		102	50-200			
Surrogate: M9PFNA	*39.7*			ng/L	37.2		107	50-200			
Surrogate: MPFDoA	*36.9*			ng/L	37.2		99.3	50-200			
LCS (B377504-BS1)					Prepared: 06/18/24 Analyzed: 06/20/24						
Perfluorobutanoic acid (PFBA)	8.86	1.9	0.61	ng/L	9.28		95.4	70-130			
Perfluorobutanesulfonic acid (PFBS)	7.63	1.9	0.56	ng/L	8.22		92.9	70-130			
Perfluoropentanoic acid (PFPeA)	8.76	1.9	0.55	ng/L	9.28		94.3	70-130			
Perfluorohexanoic acid (PFHxA)	8.87	1.9	0.60	ng/L	9.28		95.5	70-130			
11Cl-PF3OUdS (F53B Major)	7.27	1.9	0.70	ng/L	8.74		83.1	70-130			
9Cl-PF3ONS (F53B Minor)	7.05	1.9	0.71	ng/L	8.65		81.5	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.62	1.9	0.51	ng/L	8.74		87.1	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.56	1.9	0.95	ng/L	9.28		81.5	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.06	1.9	0.61	ng/L	8.91		90.5	70-130			
Perfluorodecanoic acid (PFDA)	9.00	1.9	0.64	ng/L	9.28		96.9	70-130			
Perfluorododecanoic acid (PFDoA)	9.03	1.9	0.79	ng/L	9.28		97.3	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.95	1.9	0.56	ng/L	8.26		96.2	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	8.45	1.9	0.65	ng/L	8.87		95.3	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.27	1.9	0.49	ng/L	8.68		95.3	70-130			
Perfluorohexanesulfonic acid (PFHxS)	7.62	1.9	0.65	ng/L	8.49		89.7	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	9.11	1.9	0.54	ng/L	9.28		98.1	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	9.24	1.9	0.49	ng/L	9.28		99.6	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 B377504 - EPA 533											
LCS (B377504-BS1)					Prepared: 06/18/24 Analyzed: 06/20/24						
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.49	1.9	1.4	ng/L	8.82		96.2	70-130			
Perfluoropentanesulfonic acid (PFPeS)	7.96	1.9	0.62	ng/L	8.73		91.3	70-130			
Perfluoroundecanoic acid (PFUnA)	8.66	1.9	0.66	ng/L	9.28		93.3	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.24	1.9	0.66	ng/L	9.28		99.5	70-130			
Perfluoroheptanoic acid (PFHpA)	8.22	1.9	0.52	ng/L	9.28		88.6	70-130			
Perfluorooctanoic acid (PFOA)	8.48	1.9	0.53	ng/L	9.28		91.3	70-130			
Perfluorooctanesulfonic acid (PFOS)	7.81	1.9	0.68	ng/L	8.59		91.0	70-130			
Perfluorononanoic acid (PFNA)	9.12	1.9	0.95	ng/L	9.28		98.2	70-130			
Surrogate: M2-4:2FTS	*26.3*			ng/L	34.8		75.7	50-200			
Surrogate: M2-8:2FTS	*36.6*			ng/L	35.6		103	50-200			
Surrogate: MPFBA	*39.6*			ng/L	37.1		107	50-200			
Surrogate: M3HFPO-DA	*35.5*			ng/L	37.1		95.6	50-200			
Surrogate: M6PFDA	*39.8*			ng/L	37.1		107	50-200			
Surrogate: M3PFBS	*33.8*			ng/L	34.6		97.6	50-200			
Surrogate: M7PFUnA	*39.3*			ng/L	37.1		106	50-200			
Surrogate: M2-6:2FTS	*49.7*			ng/L	35.3		141	50-200			
Surrogate: M5PFPeA	*41.2*			ng/L	37.1		111	50-200			
Surrogate: M5PFHxA	*35.9*			ng/L	37.1		96.8	50-200			
Surrogate: M3PFHxS	*35.9*			ng/L	35.2		102	50-200			
Surrogate: M4PFHpA	*37.1*			ng/L	37.1		99.8	50-200			
Surrogate: M8PFOA	*40.1*			ng/L	37.1		108	50-200			
Surrogate: M8PFOS	*37.7*			ng/L	35.6		106	50-200			
Surrogate: M9PFNA	*38.7*			ng/L	37.1		104	50-200			
Surrogate: MPFDoA	*41.1*			ng/L	37.1		111	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).

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CERTIFICATIONS

Certified Analyses included in this Report

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

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	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2025
OH	Ohio Environmental Protection Agency	87781	04/1/2025

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Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

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

Company Name: NYS DEC	Consultant: Arcadis
Consultant Address: 201 Fuller Road Suite 201, Albany, NY 12203	
Consultant Phone: 518-250-7269	
Callout Project Name:	Stewart ANG- Butterhill
Project Location:	New Windsor, New York
Callout Number:	~~149239~~ 151957
Site/Spill Number:	336089
Project Manager:	David Chiusano
Pace Analytical Quote Name/Number:	Callout ID ~~149239~~ 151957
Invoice Recipient:	David Chiusano
Sampled By: Meg Fitzgerald	Meghan Fitzgerald/ Case VandeValk

Requested Turnaround Time
DEC Standard 30-calendar day ☑
Due Date:

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☐
4-Day ☐ 5-Day ☐ 10-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like (Level 4) Data Pkg Required: ☐
Email To: David.Chiusano@dec.ny.gov
Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | TCLP RCRA 8 Metals	PFAS 1633 | PFAS 537 ID	EPA 533				# of Containers
														20				[2] Preservation Code
														I				[3] Container Code
														P				
1	BH20240605 - 3N - 50	6/5/2024	1054		X	DW								2				
2	BH20240605 -3N - 75	6/5/2024	1055		X	DW								2				
3	BH20240605 -3MID	6/5/2024	1058		X	DW								2				
4	BH20240605 -3S - 25	6/5/2024	1100		X	DW								2				
5	BH20240605 - 3S - 50	6/5/2024	1102		X	DW								2				
6	BH20240605 - 3S - 75	6/5/2024	1104		X	DW								2				
7	BH20240605 - 3POST	6/5/2024	1105		X	DW								2				
8	BH20240605 -1RAW	6/5/2024	1133		X	DW								2				
9	BH20240605 - 2RAW	6/5/2024	1125		X	DW								2				
10	BH20240605 - 3RAW	6/5/2024	1112		X	DW								2				

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 forward 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	6/5 1246
Received by: (signature)	6/5/24 1246
Relinquished by: (signature)	6/5/24 1435
Received by: (signature)	6/5/24
Relinquished by: (signature)	6/5/24 1895
Received by: (signature)	6/5/24 2200

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
☑ 9/3 Soxhlet
☐ Non Soxhlet

6-6-24 0835

AAL 6/6/24 0900

AAL 6/6/24 0835

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 ANG-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 AAM/6-6-24/0835

Back-Sheet By / Date / Time AAM/6-6-24/1417

Temperature Method Temp. Gun # 4

Temp ✓ < 6° C Actual Temperature 2.9/3.6°C

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

COC was split after the first 2 pages

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

Qualtrax ID: 120836

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

June 21, 2024

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

Project Location: New Windsor, New York
Client Job Number:
Project Number: 336089
Laboratory Work Order Number: 24F0809

Enclosed are results of analyses for samples as received by the laboratory on June 6, 2024. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

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Table of Contents (continued)

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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: 6/21/2024

PURCHASE ORDER NUMBER: 151957

PROJECT NUMBER: 336089

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 24F0809

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, New York

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
BH20240605-PRE GAC	24F0809-01	Drinking Water		EPA 533	
BH20240605-POST GAC	24F0809-02	Drinking Water		EPA 533	
BH20240605-POST GAC DUP	24F0809-03	Drinking Water		EPA 533	
BH20240605-1N-25	24F0809-04	Drinking Water		EPA 533	
BH20240605-1N-50	24F0809-05	Drinking Water		EPA 533	
BH20240605-1N-75	24F0809-06	Drinking Water		EPA 533	
BH20240605-1MID	24F0809-07	Drinking Water		EPA 533	
BH20240605-1S-25	24F0809-08	Drinking Water		EPA 533	
BH20240605-1S-50	24F0809-09	Drinking Water		EPA 533	
BH20240605-1S-75	24F0809-10	Drinking Water		EPA 533	
BH20240605-1POST	24F0809-11	Drinking Water		EPA 533	
BH20240605-2N-25	24F0809-12	Drinking Water		EPA 533	
BH20240605-2N-50	24F0809-13	Drinking Water		EPA 533	
BH20240605-2N-75	24F0809-14	Drinking Water		EPA 533	
BH20240605-2MID	24F0809-15	Drinking Water		EPA 533	
BH20240605-2S-25	24F0809-16	Drinking Water		EPA 533	
BH20240605-2S-50	24F0809-17	Drinking Water		EPA 533	
BH20240605-2S-75	24F0809-18	Drinking Water		EPA 533	
BH20240605-2POST	24F0809-19	Drinking Water		EPA 533	
BH20240605-3N-25	24F0809-20	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-18

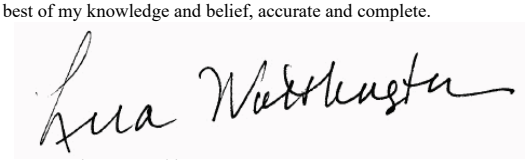
Re-analysis confirmed Extracted Internal Standard failure due to matrix effects.

Analyte & Samples(s) Qualified:

M6PFDA

24F0809-03[BH20240605-POST GAC DUP]

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, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-PRE GAC Sampled: 6/5/2024 09:54

Sample ID: 24F0809-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.4	1.9	0.63		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluorobutanesulfonic acid (PFBS)	2.2	1.9	0.58		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluoropentanoic acid (PFPeA)	4.8	1.9	0.57		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluorohexanoic acid (PFHxA)	3.6	1.9	0.62		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.73		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.74		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.53		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.98		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.63		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.66		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.82		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.58		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.67		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.51		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluorohexanesulfonic acid (PFHxS)	2.7	1.9	0.67		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.56		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.51		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.65		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.69		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.68		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluoroheptanoic acid (PFHpA)	1.6	1.9	0.54		ng/L	1	J	EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluorooctanoic acid (PFOA)	2.9	1.9	0.55		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluorooctanesulfonic acid (PFOS)	3.1	1.9	0.70		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.99		ng/L	1		EPA 533	6/11/24	6/12/24 14:24	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	91.9	50-200		6/12/24 14:24
M2-8:2FTS	132	50-200		6/12/24 14:24
MPFBA	96.7	50-200		6/12/24 14:24
M3HFPO-DA	80.4	50-200		6/12/24 14:24
M6PFDA	74.5	50-200		6/12/24 14:24
M3PFBS	102	50-200		6/12/24 14:24
M7PFUnA	83.8	50-200		6/12/24 14:24
M2-6:2FTS	154	50-200		6/12/24 14:24
M5PFPeA	106	50-200		6/12/24 14:24
M5PFHxA	83.8	50-200		6/12/24 14:24
M3PFHxS	101	50-200		6/12/24 14:24
M4PFHpA	84.1	50-200		6/12/24 14:24
M8PFOA	74.0	50-200		6/12/24 14:24
M8PFOS	94.8	50-200		6/12/24 14:24
M9PFNA	72.7	50-200		6/12/24 14:24
MPFDoA	94.3	50-200		6/12/24 14:24

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

Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-POST GAC Sampled: 6/5/2024 09:56

Sample ID: 24F0809-02

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.7	2.1	0.67		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	2.1	0.62		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluoropentanoic acid (PFPeA)	2.1	2.1	0.61		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluorohexanoic acid (PFHxA)	ND	2.1	0.66		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.1	0.78		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.1	0.79		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.1	0.57		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.1	1.1		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.1	0.67		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluorodecanoic acid (PFDA)	ND	2.1	0.70		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.1	0.87		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.1	0.62		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.1	0.72		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.1	0.54		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	2.1	0.72		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.1	0.60		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.1	0.55		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.1	1.5		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	2.1	0.69		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.1	0.74		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.1	0.73		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluoroheptanoic acid (PFHpA)	ND	2.1	0.58		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluorooctanoic acid (PFOA)	ND	2.1	0.58		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	2.1	0.75		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW
Perfluorononanoic acid (PFNA)	ND	2.1	1.1		ng/L	1		EPA 533	6/18/24	6/20/24 19:52	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	54.4	50-200		6/20/24 19:52
M2-8:2FTS	91.1	50-200		6/20/24 19:52
MPFBA	96.7	50-200		6/20/24 19:52
M3HFPO-DA	80.7	50-200		6/20/24 19:52
M6PFDA	93.6	50-200		6/20/24 19:52
M3PFBS	85.2	50-200		6/20/24 19:52
M7PFUnA	94.2	50-200		6/20/24 19:52
M2-6:2FTS	115	50-200		6/20/24 19:52
M5PFPeA	111	50-200		6/20/24 19:52
M5PFHxA	82.0	50-200		6/20/24 19:52
M3PFHxS	96.8	50-200		6/20/24 19:52
M4PFHpA	81.3	50-200		6/20/24 19:52
M8PFOA	84.9	50-200		6/20/24 19:52
M8PFOS	96.0	50-200		6/20/24 19:52
M9PFNA	90.0	50-200		6/20/24 19:52
MPFDoA	91.8	50-200		6/20/24 19:52

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

Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-POST GAC DUP Sampled: 6/5/2024 09:59

Sample ID: 24F0809-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.5	2.0	0.65		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	0.61		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluoropentanoic acid (PFPeA)	2.7	2.0	0.59		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluorohexanoic acid (PFHxA)	0.83	2.0	0.65		ng/L	1	J	EPA 533	6/11/24	6/12/24 14:45	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.76		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.0	0.77		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.55		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	1.0		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0	0.66		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluorodecanoic acid (PFDA)	ND	2.0	0.69		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.85		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.60		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.70		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0	0.53		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.70		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.58		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.53		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0	1.5		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	0.67		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.72		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.71		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.56		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluorooctanoic acid (PFOA)	1.1	2.0	0.57		ng/L	1	J	EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluorooctanesulfonic acid (PFOS)	0.97	2.0	0.73		ng/L	1	J	EPA 533	6/11/24	6/12/24 14:45	QNW
Perfluorononanoic acid (PFNA)	ND	2.0	1.0		ng/L	1		EPA 533	6/11/24	6/12/24 14:45	QNW

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	78.1		50-200		6/12/24 14:45
M2-8:2FTS	116		50-200		6/12/24 14:45
MPFBA	77.4		50-200		6/12/24 14:45
M3HFPO-DA	56.6		50-200		6/12/24 14:45
M6PFDA	**48.7**	*	50-200	PF-18	6/12/24 14:45
M3PFBS	101		50-200		6/12/24 14:45
M7PFUnA	51.5		50-200		6/12/24 14:45
M2-6:2FTS	168		50-200		6/12/24 14:45
M5PFPeA	72.8		50-200		6/12/24 14:45
M5PFHxA	67.8		50-200		6/12/24 14:45
M3PFHxS	93.0		50-200		6/12/24 14:45
M4PFHpA	65.7		50-200		6/12/24 14:45
M8PFOA	58.5		50-200		6/12/24 14:45
M8PFOS	92.6		50-200		6/12/24 14:45
M9PFNA	52.1		50-200		6/12/24 14:45
MPFDoA	64.5		50-200		6/12/24 14:45

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-1N-25 Sampled: 6/5/2024 10:14

Sample ID: 24F0809-04

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.5	1.8	0.60		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.55		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluoropentanoic acid (PFPeA)	2.4	1.8	0.54		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluorohexanoic acid (PFHxA)	0.64	1.8	0.59		ng/L	1	J	EPA 533	6/11/24	6/12/24 15:50	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.69		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.70		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.51		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.93		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8	0.60		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.63		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.77		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.55		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.64		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8	0.48		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.64		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.53		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.49		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8	1.4		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.62		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.65		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.65		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.52		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8	0.52		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.67		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.94		ng/L	1		EPA 533	6/11/24	6/12/24 15:50	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	89.8	50-200		6/12/24 15:50
M2-8:2FTS	104	50-200		6/12/24 15:50
MPFBA	87.3	50-200		6/12/24 15:50
M3HFPO-DA	68.0	50-200		6/12/24 15:50
M6PFDA	50.3	50-200		6/12/24 15:50
M3PFBS	105	50-200		6/12/24 15:50
M7PFUnA	54.1	50-200		6/12/24 15:50
M2-6:2FTS	164	50-200		6/12/24 15:50
M5PFPeA	80.6	50-200		6/12/24 15:50
M5PFHxA	74.8	50-200		6/12/24 15:50
M3PFHxS	99.9	50-200		6/12/24 15:50
M4PFHpA	74.2	50-200		6/12/24 15:50
M8PFOA	62.4	50-200		6/12/24 15:50
M8PFOS	90.4	50-200		6/12/24 15:50
M9PFNA	51.1	50-200		6/12/24 15:50
MPFDoA	70.1	50-200		6/12/24 15:50

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Project Location: New Windsor, New York | Sample Description: | Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-1N-50 | Sampled: 6/5/2024 10:16

Sample ID: 24F0809-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.5	1.9	0.62		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluorobutanesulfonic acid (PFBS)	2.4	1.9	0.57		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluoropentanoic acid (PFPeA)	5.3	1.9	0.56		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluorohexanoic acid (PFHxA)	3.6	1.9	0.61		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.71		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.73		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.52		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.96		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.62		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.65		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.80		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.57		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.66		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.50		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluorohexanesulfonic acid (PFHxS)	3.6	1.9	0.66		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.55		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.50		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.63		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.67		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.67		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluoroheptanoic acid (PFHpA)	2.0	1.9	0.53		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluorooctanoic acid (PFOA)	3.3	1.9	0.54		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluorooctanesulfonic acid (PFOS)	4.6	1.9	0.69		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.97		ng/L	1		EPA 533	6/11/24	6/12/24 15:00	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	85.0	50-200		6/12/24 15:00
M2-8:2FTS	94.2	50-200		6/12/24 15:00
MPFBA	91.2	50-200		6/12/24 15:00
M3HFPO-DA	71.8	50-200		6/12/24 15:00
M6PFDA	60.2	50-200		6/12/24 15:00
M3PFBS	90.9	50-200		6/12/24 15:00
M7PFUnA	65.5	50-200		6/12/24 15:00
M2-6:2FTS	153	50-200		6/12/24 15:00
M5PFPeA	104	50-200		6/12/24 15:00
M5PFHxA	82.3	50-200		6/12/24 15:00
M3PFHxS	91.2	50-200		6/12/24 15:00
M4PFHpA	80.9	50-200		6/12/24 15:00
M8PFOA	67.8	50-200		6/12/24 15:00
M8PFOS	87.0	50-200		6/12/24 15:00
M9PFNA	56.1	50-200		6/12/24 15:00
MPFDoA	79.2	50-200		6/12/24 15:00

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-1N-75 Sampled: 6/5/2024 10:18

Sample ID: 24F0809-06

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.3	1.9	0.61		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluorobutanesulfonic acid (PFBS)	1.7	1.9	0.57		ng/L	1	J	EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluoropentanoic acid (PFPeA)	4.6	1.9	0.55		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluorohexanoic acid (PFHxA)	3.1	1.9	0.61		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.71		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.72		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.52		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.96		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.61		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.64		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.79		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.56		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.66		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.49		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluorohexanesulfonic acid (PFHxS)	1.7	1.9	0.65		ng/L	1	J	EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.54		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.50		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.63		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.67		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.66		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluoroheptanoic acid (PFHpA)	1.2	1.9	0.53		ng/L	1	J	EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluorooctanoic acid (PFOA)	2.4	1.9	0.53		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluorooctanesulfonic acid (PFOS)	2.3	1.9	0.68		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.96		ng/L	1		EPA 533	6/11/24	6/12/24 15:07	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	76.6	50-200		6/12/24 15:07
M2-8:2FTS	102	50-200		6/12/24 15:07
MPFBA	89.2	50-200		6/12/24 15:07
M3HFPO-DA	72.4	50-200		6/12/24 15:07
M6PFDA	55.7	50-200		6/12/24 15:07
M3PFBS	95.1	50-200		6/12/24 15:07
M7PFUnA	61.8	50-200		6/12/24 15:07
M2-6:2FTS	162	50-200		6/12/24 15:07
M5PFPeA	98.2	50-200		6/12/24 15:07
M5PFHxA	80.2	50-200		6/12/24 15:07
M3PFHxS	93.5	50-200		6/12/24 15:07
M4PFHpA	77.6	50-200		6/12/24 15:07
M8PFOA	67.9	50-200		6/12/24 15:07
M8PFOS	87.4	50-200		6/12/24 15:07
M9PFNA	54.5	50-200		6/12/24 15:07
MPFDoA	76.5	50-200		6/12/24 15:07

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Project Location: New Windsor, New York | Sample Description: | Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-1MID | Sampled: 6/5/2024 10:19

Sample ID: 24F0809-07

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.3	1.8	0.58		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluorobutanesulfonic acid (PFBS)	1.4	1.8	0.54		ng/L	1	J	EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluoropentanoic acid (PFPeA)	4.4	1.8	0.52		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluorohexanoic acid (PFHxA)	3.0	1.8	0.57		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.68		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.49		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.90		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8	0.58		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.61		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.75		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.62		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8	0.47		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluorohexanesulfonic acid (PFHxS)	1.3	1.8	0.62		ng/L	1	J	EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.51		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.47		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8	1.3		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluoroheptanoic acid (PFHpA)	1.0	1.8	0.50		ng/L	1	J	EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluorooctanoic acid (PFOA)	2.2	1.8	0.50		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluorooctanesulfonic acid (PFOS)	2.0	1.8	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.91		ng/L	1		EPA 533	6/7/24	6/11/24 16:45	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	85.9	50-200		6/11/24 16:45
M2-8:2FTS	96.0	50-200		6/11/24 16:45
MPFBA	107	50-200		6/11/24 16:45
M3HFPO-DA	104	50-200		6/11/24 16:45
M6PFDA	77.8	50-200		6/11/24 16:45
M3PFBS	125	50-200		6/11/24 16:45
M7PFUnA	83.4	50-200		6/11/24 16:45
M2-6:2FTS	163	50-200		6/11/24 16:45
M5PFPeA	113	50-200		6/11/24 16:45
M5PFHxA	94.4	50-200		6/11/24 16:45
M3PFHxS	125	50-200		6/11/24 16:45
M4PFHpA	92.9	50-200		6/11/24 16:45
M8PFOA	83.7	50-200		6/11/24 16:45
M8PFOS	117	50-200		6/11/24 16:45
M9PFNA	77.2	50-200		6/11/24 16:45
MPFDoA	96.1	50-200		6/11/24 16:45

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Project Location: New Windsor, New York | Sample Description: | Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-1S-25 | Sampled: 6/5/2024 10:23

Sample ID: 24F0809-08

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.9	2.0	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluorobutanesulfonic acid (PFBS)	0.83	2.0	0.60		ng/L	1	J	EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluoropentanoic acid (PFPeA)	3.9	2.0	0.59		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluorohexanoic acid (PFHxA)	1.8	2.0	0.65		ng/L	1	J	EPA 533	6/7/24	6/11/24 16:52	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.76		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.0	0.77		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	1.0		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluorodecanoic acid (PFDA)	ND	2.0	0.69		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.85		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.58		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0	1.5		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.71		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.71		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluorooctanoic acid (PFOA)	ND	2.0	0.57		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	0.73		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW
Perfluorononanoic acid (PFNA)	ND	2.0	1.0		ng/L	1		EPA 533	6/7/24	6/11/24 16:52	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	95.1	50-200		6/11/24 16:52
M2-8:2FTS	95.2	50-200		6/11/24 16:52
MPFBA	115	50-200		6/11/24 16:52
M3HFPO-DA	123	50-200		6/11/24 16:52
M6PFDA	89.5	50-200		6/11/24 16:52
M3PFBS	122	50-200		6/11/24 16:52
M7PFUnA	85.0	50-200		6/11/24 16:52
M2-6:2FTS	150	50-200		6/11/24 16:52
M5PFPeA	121	50-200		6/11/24 16:52
M5PFHxA	107	50-200		6/11/24 16:52
M3PFHxS	123	50-200		6/11/24 16:52
M4PFHpA	103	50-200		6/11/24 16:52
M8PFOA	101	50-200		6/11/24 16:52
M8PFOS	116	50-200		6/11/24 16:52
M9PFNA	88.5	50-200		6/11/24 16:52
MPFDoA	88.3	50-200		6/11/24 16:52

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-1S-50 Sampled: 6/5/2024 10:24

Sample ID: 24F0809-09

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.4	1.9	0.62		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluorobutanesulfonic acid (PFBS)	0.75	1.9	0.57		ng/L	1	J	EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluoropentanoic acid (PFPeA)	3.5	1.9	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluorohexanoic acid (PFHxA)	1.3	1.9	0.61		ng/L	1	J	EPA 533	6/7/24	6/11/24 16:59	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.72		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.73		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.97		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.62		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.80		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.57		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.50		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.50		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.68		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.54		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9	0.54		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.69		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.97		ng/L	1		EPA 533	6/7/24	6/11/24 16:59	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	98.9	50-200		6/11/24 16:59
M2-8:2FTS	127	50-200		6/11/24 16:59
MPFBA	117	50-200		6/11/24 16:59
M3HFPO-DA	115	50-200		6/11/24 16:59
M6PFDA	96.6	50-200		6/11/24 16:59
M3PFBS	133	50-200		6/11/24 16:59
M7PFUnA	107	50-200		6/11/24 16:59
M2-6:2FTS	178	50-200		6/11/24 16:59
M5PFPeA	119	50-200		6/11/24 16:59
M5PFHxA	110	50-200		6/11/24 16:59
M3PFHxS	134	50-200		6/11/24 16:59
M4PFHpA	109	50-200		6/11/24 16:59
M8PFOA	109	50-200		6/11/24 16:59
M8PFOS	124	50-200		6/11/24 16:59
M9PFNA	95.6	50-200		6/11/24 16:59
MPFDoA	112	50-200		6/11/24 16:59

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Project Location: New Windsor, New York | Sample Description: | Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-1S-75 | Sampled: 6/5/2024 10:26

Sample ID: 24F0809-10

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.9	2.0	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	2.0	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluoropentanoic acid (PFPeA)	2.5	2.0	0.59		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluorohexanoic acid (PFHxA)	ND	2.0	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.75		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.0	0.77		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	1.0		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluorodecanoic acid (PFDA)	ND	2.0	0.68		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.84		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0	0.52		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.58		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0	1.5		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.71		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluorooctanoic acid (PFOA)	ND	2.0	0.57		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	0.73		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW
Perfluorononanoic acid (PFNA)	ND	2.0	1.0		ng/L	1		EPA 533	6/7/24	6/11/24 17:07	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	105	50-200		6/11/24 17:07
M2-8:2FTS	116	50-200		6/11/24 17:07
MPFBA	119	50-200		6/11/24 17:07
M3HFPO-DA	133	50-200		6/11/24 17:07
M6PFDA	98.7	50-200		6/11/24 17:07
M3PFBS	132	50-200		6/11/24 17:07
M7PFUnA	105	50-200		6/11/24 17:07
M2-6:2FTS	161	50-200		6/11/24 17:07
M5PFPeA	117	50-200		6/11/24 17:07
M5PFHxA	105	50-200		6/11/24 17:07
M3PFHxS	130	50-200		6/11/24 17:07
M4PFHpA	99.6	50-200		6/11/24 17:07
M8PFOA	95.5	50-200		6/11/24 17:07
M8PFOS	119	50-200		6/11/24 17:07
M9PFNA	85.7	50-200		6/11/24 17:07
MPFDoA	121	50-200		6/11/24 17:07

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-1POST Sampled: 6/5/2024 10:28

Sample ID: 24F0809-11

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.0	1.9	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.58		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluoropentanoic acid (PFPeA)	2.2	1.9	0.57		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluorohexanoic acid (PFHxA)	0.80	1.9	0.62		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:21	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.73		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.74		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.98		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.82		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.58		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.68		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.51		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.51		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.69		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.68		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.54		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.99		ng/L	1		EPA 533	6/7/24	6/11/24 17:21	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	97.0	50-200		6/11/24 17:21
M2-8:2FTS	118	50-200		6/11/24 17:21
MPFBA	113	50-200		6/11/24 17:21
M3HFPO-DA	114	50-200		6/11/24 17:21
M6PFDA	97.7	50-200		6/11/24 17:21
M3PFBS	131	50-200		6/11/24 17:21
M7PFUnA	101	50-200		6/11/24 17:21
M2-6:2FTS	165	50-200		6/11/24 17:21
M5PFPeA	108	50-200		6/11/24 17:21
M5PFHxA	101	50-200		6/11/24 17:21
M3PFHxS	125	50-200		6/11/24 17:21
M4PFHpA	100	50-200		6/11/24 17:21
M8PFOA	100	50-200		6/11/24 17:21
M8PFOS	122	50-200		6/11/24 17:21
M9PFNA	90.2	50-200		6/11/24 17:21
MPFDoA	111	50-200		6/11/24 17:21

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-2N-25 Sampled: 6/5/2024 10:32

Sample ID: 24F0809-12

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.9	1.8	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluorobutanesulfonic acid (PFBS)	2.0	1.8	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluoropentanoic acid (PFPeA)	4.9	1.8	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluorohexanoic acid (PFHxA)	3.5	1.8	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.71		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.51		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.94		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.78		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8	0.49		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluorohexanesulfonic acid (PFHxS)	3.5	1.8	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.54		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.49		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8	1.4		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluoropentanesulfonic acid (PFPeS)	0.65	1.8	0.62		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluoroheptanoic acid (PFHpA)	1.6	1.8	0.52		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluorooctanoic acid (PFOA)	3.0	1.8	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluorooctanesulfonic acid (PFOS)	4.4	1.8	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.95		ng/L	1		EPA 533	6/7/24	6/11/24 17:28	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	112	50-200		6/11/24 17:28
M2-8:2FTS	124	50-200		6/11/24 17:28
MPFBA	115	50-200		6/11/24 17:28
M3HFPO-DA	121	50-200		6/11/24 17:28
M6PFDA	91.8	50-200		6/11/24 17:28
M3PFBS	116	50-200		6/11/24 17:28
M7PFUnA	94.7	50-200		6/11/24 17:28
M2-6:2FTS	167	50-200		6/11/24 17:28
M5PFPeA	133	50-200		6/11/24 17:28
M5PFHxA	109	50-200		6/11/24 17:28
M3PFHxS	123	50-200		6/11/24 17:28
M4PFHpA	108	50-200		6/11/24 17:28
M8PFOA	104	50-200		6/11/24 17:28
M8PFOS	117	50-200		6/11/24 17:28
M9PFNA	89.5	50-200		6/11/24 17:28
MPFDoA	99.0	50-200		6/11/24 17:28

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-2N-50 Sampled: 6/5/2024 10:33

Sample ID: 24F0809-13

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.3	1.9	0.61		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluorobutanesulfonic acid (PFBS)	1.9	1.9	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluoropentanoic acid (PFPeA)	5.0	1.9	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluorohexanoic acid (PFHxA)	3.6	1.9	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.71		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.51		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.95		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.61		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.79		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.49		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluorohexanesulfonic acid (PFHxS)	2.7	1.9	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.54		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.49		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.62		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluoroheptanoic acid (PFHpA)	1.7	1.9	0.52		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluorooctanoic acid (PFOA)	2.3	1.9	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluorooctanesulfonic acid (PFOS)	2.5	1.9	0.68		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.95		ng/L	1		EPA 533	6/7/24	6/11/24 17:35	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	103	50-200		6/11/24 17:35
M2-8:2FTS	107	50-200		6/11/24 17:35
MPFBA	114	50-200		6/11/24 17:35
M3HFPO-DA	125	50-200		6/11/24 17:35
M6PFDA	111	50-200		6/11/24 17:35
M3PFBS	123	50-200		6/11/24 17:35
M7PFUnA	109	50-200		6/11/24 17:35
M2-6:2FTS	172	50-200		6/11/24 17:35
M5PFPeA	131	50-200		6/11/24 17:35
M5PFHxA	110	50-200		6/11/24 17:35
M3PFHxS	128	50-200		6/11/24 17:35
M4PFHpA	116	50-200		6/11/24 17:35
M8PFOA	109	50-200		6/11/24 17:35
M8PFOS	125	50-200		6/11/24 17:35
M9PFNA	104	50-200		6/11/24 17:35
MPFDoA	110	50-200		6/11/24 17:35

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-2N-75 Sampled: 6/5/2024 10:34

Sample ID: 24F0809-14

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.6	1.9	0.61		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluorobutanesulfonic acid (PFBS)	1.6	1.9	0.57		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluoropentanoic acid (PFPeA)	4.3	1.9	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluorohexanoic acid (PFHxA)	2.9	1.9	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.71		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.72		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.52		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.95		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.61		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.79		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.49		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluorohexanesulfonic acid (PFHxS)	1.4	1.9	0.65		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.54		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.50		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluoroheptanoic acid (PFHpA)	1.1	1.9	0.53		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluorooctanoic acid (PFOA)	2.7	1.9	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluorooctanesulfonic acid (PFOS)	1.2	1.9	0.68		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:43	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.96		ng/L	1		EPA 533	6/7/24	6/11/24 17:43	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	105	50-200		6/11/24 17:43
M2-8:2FTS	124	50-200		6/11/24 17:43
MPFBA	133	50-200		6/11/24 17:43
M3HFPO-DA	147	50-200		6/11/24 17:43
M6PFDA	109	50-200		6/11/24 17:43
M3PFBS	132	50-200		6/11/24 17:43
M7PFUnA	111	50-200		6/11/24 17:43
M2-6:2FTS	187	50-200		6/11/24 17:43
M5PFPeA	143	50-200		6/11/24 17:43
M5PFHxA	122	50-200		6/11/24 17:43
M3PFHxS	130	50-200		6/11/24 17:43
M4PFHpA	127	50-200		6/11/24 17:43
M8PFOA	118	50-200		6/11/24 17:43
M8PFOS	134	50-200		6/11/24 17:43
M9PFNA	97.6	50-200		6/11/24 17:43
MPFDoA	117	50-200		6/11/24 17:43

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-2MID Sampled: 6/5/2024 10:36

Sample ID: 24F0809-15

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.3	1.9	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluorobutanesulfonic acid (PFBS)	1.3	1.9	0.58		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluoropentanoic acid (PFPeA)	4.0	1.9	0.57		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluorohexanoic acid (PFHxA)	2.7	1.9	0.62		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.72		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.74		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.98		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.81		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.57		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.50		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluorohexanesulfonic acid (PFHxS)	1.3	1.9	0.67		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.51		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.69		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.68		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluoroheptanoic acid (PFHpA)	1.1	1.9	0.54		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluorooctanoic acid (PFOA)	1.8	1.9	0.54		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluorooctanesulfonic acid (PFOS)	1.2	1.9	0.70		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:50	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.98		ng/L	1		EPA 533	6/7/24	6/11/24 17:50	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	116	50-200		6/11/24 17:50
M2-8:2FTS	119	50-200		6/11/24 17:50
MPFBA	122	50-200		6/11/24 17:50
M3HFPO-DA	141	50-200		6/11/24 17:50
M6PFDA	106	50-200		6/11/24 17:50
M3PFBS	133	50-200		6/11/24 17:50
M7PFUnA	110	50-200		6/11/24 17:50
M2-6:2FTS	164	50-200		6/11/24 17:50
M5PFPeA	133	50-200		6/11/24 17:50
M5PFHxA	116	50-200		6/11/24 17:50
M3PFHxS	133	50-200		6/11/24 17:50
M4PFHpA	118	50-200		6/11/24 17:50
M8PFOA	118	50-200		6/11/24 17:50
M8PFOS	121	50-200		6/11/24 17:50
M9PFNA	105	50-200		6/11/24 17:50
MPFDoA	125	50-200		6/11/24 17:50

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Project Location: New Windsor, New York | Sample Description: | Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-2S-25 | Sampled: 6/5/2024 10:40

Sample ID: 24F0809-16

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.6	2.0	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluorobutanesulfonic acid (PFBS)	0.90	2.0	0.59		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluoropentanoic acid (PFPeA)	3.8	2.0	0.58		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluorohexanoic acid (PFHxA)	1.9	2.0	0.64		ng/L	1	J	EPA 533	6/7/24	6/11/24 17:57	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.74		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.0	0.76		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.54		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	1.0		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluorodecanoic acid (PFDA)	ND	2.0	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.83		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.59		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.69		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0	0.52		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.69		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.57		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.52		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0	1.5		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.69		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluorooctanoic acid (PFOA)	ND	2.0	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	0.72		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW
Perfluorononanoic acid (PFNA)	ND	2.0	1.0		ng/L	1		EPA 533	6/7/24	6/11/24 17:57	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	118	50-200		6/11/24 17:57
M2-8:2FTS	144	50-200		6/11/24 17:57
MPFBA	126	50-200		6/11/24 17:57
M3HFPO-DA	128	50-200		6/11/24 17:57
M6PFDA	106	50-200		6/11/24 17:57
M3PFBS	135	50-200		6/11/24 17:57
M7PFUnA	113	50-200		6/11/24 17:57
M2-6:2FTS	180	50-200		6/11/24 17:57
M5PFPeA	133	50-200		6/11/24 17:57
M5PFHxA	118	50-200		6/11/24 17:57
M3PFHxS	136	50-200		6/11/24 17:57
M4PFHpA	116	50-200		6/11/24 17:57
M8PFOA	109	50-200		6/11/24 17:57
M8PFOS	127	50-200		6/11/24 17:57
M9PFNA	97.1	50-200		6/11/24 17:57
MPFDoA	126	50-200		6/11/24 17:57

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Project Location: New Windsor, New York | Sample Description: | Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-2S-50 | Sampled: 6/5/2024 10:41

Sample ID: 24F0809-17

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	5.2	2.0	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluorobutanesulfonic acid (PFBS)	0.78	2.0	0.60		ng/L	1	J	EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluoropentanoic acid (PFPeA)	3.4	2.0	0.58		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluorohexanoic acid (PFHxA)	1.5	2.0	0.64		ng/L	1	J	EPA 533	6/7/24	6/11/24 18:04	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.0	0.74		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.0	0.76		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0	0.54		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0	1.0		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluorodecanoic acid (PFDA)	ND	2.0	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.0	0.83		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0	0.59		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0	0.69		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0	0.52		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0	0.69		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0	0.57		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0	0.52		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0	1.5		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	2.0	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.0	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluoroheptanoic acid (PFHpA)	ND	2.0	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluorooctanoic acid (PFOA)	ND	2.0	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	2.0	0.72		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW
Perfluorononanoic acid (PFNA)	ND	2.0	1.0		ng/L	1		EPA 533	6/7/24	6/11/24 18:04	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	106	50-200		6/11/24 18:04
M2-8:2FTS	113	50-200		6/11/24 18:04
MPFBA	102	50-200		6/11/24 18:04
M3HFPO-DA	120	50-200		6/11/24 18:04
M6PFDA	84.8	50-200		6/11/24 18:04
M3PFBS	119	50-200		6/11/24 18:04
M7PFUnA	90.8	50-200		6/11/24 18:04
M2-6:2FTS	165	50-200		6/11/24 18:04
M5PFPeA	106	50-200		6/11/24 18:04
M5PFHxA	96.8	50-200		6/11/24 18:04
M3PFHxS	122	50-200		6/11/24 18:04
M4PFHpA	94.6	50-200		6/11/24 18:04
M8PFOA	90.7	50-200		6/11/24 18:04
M8PFOS	111	50-200		6/11/24 18:04
M9PFNA	78.1	50-200		6/11/24 18:04
MPFDoA	101	50-200		6/11/24 18:04

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-2S-75 Sampled: 6/5/2024 10:42

Sample ID: 24F0809-18

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.1	1.8	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluoropentanoic acid (PFPeA)	2.4	1.8	0.54		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.59		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.69		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.71		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.51		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.94		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.78		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8	0.48		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.53		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.49		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8	1.4		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.62		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.52		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluorooctanoic acid (PFOA)	0.96	1.8	0.52		ng/L	1	J	EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.67		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW
Perfluorononanoic acid (PFNA)	ND	1.8	0.94		ng/L	1		EPA 533	6/7/24	6/11/24 18:11	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	98.5	50-200		6/11/24 18:11
M2-8:2FTS	116	50-200		6/11/24 18:11
MPFBA	103	50-200		6/11/24 18:11
M3HFPO-DA	117	50-200		6/11/24 18:11
M6PFDA	100	50-200		6/11/24 18:11
M3PFBS	116	50-200		6/11/24 18:11
M7PFUnA	102	50-200		6/11/24 18:11
M2-6:2FTS	145	50-200		6/11/24 18:11
M5PFPeA	98.5	50-200		6/11/24 18:11
M5PFHxA	93.3	50-200		6/11/24 18:11
M3PFHxS	118	50-200		6/11/24 18:11
M4PFHpA	95.9	50-200		6/11/24 18:11
M8PFOA	95.4	50-200		6/11/24 18:11
M8PFOS	116	50-200		6/11/24 18:11
M9PFNA	93.5	50-200		6/11/24 18:11
MPFDoA	105	50-200		6/11/24 18:11

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-2POST Sampled: 6/5/2024 10:48

Sample ID: 24F0809-19

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.9	1.9	0.61		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.56		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluoropentanoic acid (PFPeA)	2.1	1.9	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.60		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.71		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.51		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.94		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9	0.61		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.78		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.55		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9	0.49		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.54		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.49		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9	1.4		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.62		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.52		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluorooctanoic acid (PFOA)	0.63	1.9	0.53		ng/L	1	J	EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.68		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW
Perfluorononanoic acid (PFNA)	ND	1.9	0.95		ng/L	1		EPA 533	6/7/24	6/11/24 18:19	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	101	50-200		6/11/24 18:19
M2-8:2FTS	112	50-200		6/11/24 18:19
MPFBA	113	50-200		6/11/24 18:19
M3HFPO-DA	117	50-200		6/11/24 18:19
M6PFDA	105	50-200		6/11/24 18:19
M3PFBS	121	50-200		6/11/24 18:19
M7PFUnA	105	50-200		6/11/24 18:19
M2-6:2FTS	135	50-200		6/11/24 18:19
M5PFPeA	110	50-200		6/11/24 18:19
M5PFHxA	101	50-200		6/11/24 18:19
M3PFHxS	114	50-200		6/11/24 18:19
M4PFHpA	101	50-200		6/11/24 18:19
M8PFOA	102	50-200		6/11/24 18:19
M8PFOS	118	50-200		6/11/24 18:19
M9PFNA	98.2	50-200		6/11/24 18:19
MPFDoA	111	50-200		6/11/24 18:19

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Project Location: New Windsor, New York Sample Description: Work Order: 24F0809

Date Received: 6/6/2024

Field Sample #: BH20240605-3N-25 Sampled: 6/5/2024 10:53

Sample ID: 24F0809-20

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	DL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.6	2.2	0.72		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluorobutanesulfonic acid (PFBS)	2.0	2.2	0.67		ng/L	1	J	EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluoropentanoic acid (PFPeA)	4.7	2.2	0.65		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluorohexanoic acid (PFHxA)	3.4	2.2	0.71		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.2	0.83		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.2	0.85		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.2	0.61		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.2	1.1		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.2	0.72		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluorodecanoic acid (PFDA)	ND	2.2	0.75		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.2	0.93		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.2	0.66		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.2	0.77		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.2	0.58		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluorohexanesulfonic acid (PFHxS)	3.2	2.2	0.77		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.2	0.64		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.2	0.58		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.2	1.6		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluoropentanesulfonic acid (PFPeS)	ND	2.2	0.74		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.2	0.79		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.2	0.78		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluoroheptanoic acid (PFHpA)	1.5	2.2	0.62		ng/L	1	J	EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluorooctanoic acid (PFOA)	2.7	2.2	0.63		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluorooctanesulfonic acid (PFOS)	3.9	2.2	0.80		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW
Perfluorononanoic acid (PFNA)	ND	2.2	1.1		ng/L	1		EPA 533	6/7/24	6/11/24 18:26	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	108	50-200		6/11/24 18:26
M2-8:2FTS	117	50-200		6/11/24 18:26
MPFBA	124	50-200		6/11/24 18:26
M3HFPO-DA	112	50-200		6/11/24 18:26
M6PFDA	112	50-200		6/11/24 18:26
M3PFBS	126	50-200		6/11/24 18:26
M7PFUnA	118	50-200		6/11/24 18:26
M2-6:2FTS	152	50-200		6/11/24 18:26
M5PFPeA	137	50-200		6/11/24 18:26
M5PFHxA	118	50-200		6/11/24 18:26
M3PFHxS	127	50-200		6/11/24 18:26
M4PFHpA	121	50-200		6/11/24 18:26
M8PFOA	116	50-200		6/11/24 18:26
M8PFOS	126	50-200		6/11/24 18:26
M9PFNA	111	50-200		6/11/24 18:26
MPFDoA	119	50-200		6/11/24 18:26

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Sample Extraction Data

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24F0809-07 [BH20240605-1MID]	B376586	282	1.00	06/07/24
24F0809-08 [BH20240605-1S-25]	B376586	250	1.00	06/07/24
24F0809-09 [BH20240605-1S-50]	B376586	263	1.00	06/07/24
24F0809-10 [BH20240605-1S-75]	B376586	251	1.00	06/07/24
24F0809-11 [BH20240605-1POST]	B376586	259	1.00	06/07/24
24F0809-12 [BH20240605-2N-25]	B376586	271	1.00	06/07/24
24F0809-13 [BH20240605-2N-50]	B376586	269	1.00	06/07/24
24F0809-14 [BH20240605-2N-75]	B376586	267	1.00	06/07/24
24F0809-15 [BH20240605-2MID]	B376586	261	1.00	06/07/24
24F0809-16 [BH20240605-2S-25]	B376586	254	1.00	06/07/24
24F0809-17 [BH20240605-2S-50]	B376586	254	1.00	06/07/24
24F0809-18 [BH20240605-2S-75]	B376586	272	1.00	06/07/24
24F0809-19 [BH20240605-2POST]	B376586	270	1.00	06/07/24
24F0809-20 [BH20240605-3N-25]	B376586	227	1.00	06/07/24

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24F0809-01 [BH20240605-PRE GAC]	B376587	260	1.00	06/11/24
24F0809-03 [BH20240605-POST GAC DUP]	B376587	250	1.00	06/11/24
24F0809-04 [BH20240605-1N-25]	B376587	273	1.00	06/11/24
24F0809-05 [BH20240605-1N-50]	B376587	265	1.00	06/11/24
24F0809-06 [BH20240605-1N-75]	B376587	267	1.00	06/11/24

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
24F0809-02RE1 [BH20240605-POST GAC]	B377504	243	1.00	06/18/24

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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 B376586 - EPA 533											
Blank (B376586-BLK1)					Prepared: 06/07/24 Analyzed: 06/11/24						
Perfluorobutanoic acid (PFBA)	ND	1.8	0.58	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.53	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.8	0.52	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.57	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.67	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.68	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.49	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.90	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.58	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.8	0.60	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.75	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.53	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.62	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.46	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.62	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.51	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.47	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.3	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.59	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.63	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.62	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.50	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.8	0.50	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.64	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.8	0.90	ng/L							
Surrogate: M2-4:2FTS	*39.9*			ng/L	33.1		121	50-200			
Surrogate: M2-8:2FTS	*45.1*			ng/L	33.8		133	50-200			
Surrogate: MPFBA	*40.9*			ng/L	35.2		116	50-200			
Surrogate: M3HFPO-DA	*46.2*			ng/L	35.2		131	50-200			
Surrogate: M6PFDA	*40.5*			ng/L	35.2		115	50-200			
Surrogate: M3PFBS	*39.9*			ng/L	32.8		121	50-200			
Surrogate: M7PFUnA	*40.8*			ng/L	35.2		116	50-200			
Surrogate: M2-6:2FTS	*62.5*			ng/L	33.5		186	50-200			
Surrogate: M5PFPeA	*39.8*			ng/L	35.2		113	50-200			
Surrogate: M5PFHxA	*39.8*			ng/L	35.2		113	50-200			
Surrogate: M3PFHxS	*41.3*			ng/L	33.4		124	50-200			
Surrogate: M4PFHpA	*38.7*			ng/L	35.2		110	50-200			
Surrogate: M8PFOA	*39.5*			ng/L	35.2		112	50-200			
Surrogate: M8PFOS	*38.7*			ng/L	33.8		114	50-200			
Surrogate: M9PFNA	*39.7*			ng/L	35.2		113	50-200			
Surrogate: MPFDoA	*39.3*			ng/L	35.2		111	50-200			
LCS (B376586-BS1)					Prepared: 06/07/24 Analyzed: 06/11/24						
Perfluorobutanoic acid (PFBA)	19.7	1.8	0.59	ng/L	18.0		109	70-130			
Perfluorobutanesulfonic acid (PFBS)	17.7	1.8	0.54	ng/L	15.9		111	70-130			
Perfluoropentanoic acid (PFPeA)	20.1	1.8	0.53	ng/L	18.0		112	70-130			
Perfluorohexanoic acid (PFHxA)	20.7	1.8	0.58	ng/L	18.0		115	70-130			
11Cl-PF3OUdS (F53B Major)	16.1	1.8	0.68	ng/L	16.9		95.0	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 B376586 - EPA 533											
LCS (B376586-BS1)					Prepared: 06/07/24 Analyzed: 06/11/24						
9Cl-PF3ONS (F53B Minor)	14.7	1.8	0.69	ng/L	16.7		87.9	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	16.5	1.8	0.50	ng/L	16.9		97.6	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	13.4	1.8	0.92	ng/L	18.0		74.5	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	18.7	1.8	0.59	ng/L	17.2		108	70-130			
Perfluorodecanoic acid (PFDA)	18.2	1.8	0.62	ng/L	18.0		101	70-130			
Perfluorododecanoic acid (PFDoA)	18.8	1.8	0.76	ng/L	18.0		105	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	18.7	1.8	0.54	ng/L	16.0		117	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	19.2	1.8	0.63	ng/L	17.2		112	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	19.3	1.8	0.47	ng/L	16.8		115	70-130			
Perfluorohexanesulfonic acid (PFHxS)	17.8	1.8	0.63	ng/L	16.4		108	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	19.2	1.8	0.52	ng/L	18.0		107	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	20.7	1.8	0.48	ng/L	18.0		115	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	20.9	1.8	1.3	ng/L	17.1		122	70-130			
Perfluoropentanesulfonic acid (PFPeS)	18.7	1.8	0.60	ng/L	16.9		110	70-130			
Perfluoroundecanoic acid (PFUnA)	19.3	1.8	0.64	ng/L	18.0		108	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	19.4	1.8	0.64	ng/L	18.0		108	70-130			
Perfluoroheptanoic acid (PFHpA)	20.4	1.8	0.51	ng/L	18.0		113	70-130			
Perfluorooctanoic acid (PFOA)	18.9	1.8	0.51	ng/L	18.0		105	70-130			
Perfluorooctanesulfonic acid (PFOS)	18.2	1.8	0.66	ng/L	16.6		109	70-130			
Perfluorononanoic acid (PFNA)	19.1	1.8	0.92	ng/L	18.0		106	70-130			
Surrogate: M2-4:2FTS	*38.1*			ng/L	33.7		113	50-200			
Surrogate: M2-8:2FTS	*43.4*			ng/L	34.5		126	50-200			
Surrogate: MPFBA	*41.4*			ng/L	35.9		115	50-200			
Surrogate: M3HFPO-DA	*47.2*			ng/L	35.9		131	50-200			
Surrogate: M6PFDA	*46.2*			ng/L	35.9		129	50-200			
Surrogate: M3PFBS	*36.6*			ng/L	33.5		109	50-200			
Surrogate: M7PFUnA	*45.6*			ng/L	35.9		127	50-200			
Surrogate: M2-6:2FTS	*49.5*			ng/L	34.2		145	50-200			
Surrogate: M5PFPeA	*40.2*			ng/L	35.9		112	50-200			
Surrogate: M5PFHxA	*39.4*			ng/L	35.9		110	50-200			
Surrogate: M3PFHxS	*37.5*			ng/L	34.1		110	50-200			
Surrogate: M4PFHpA	*39.7*			ng/L	35.9		111	50-200			
Surrogate: M8PFOA	*41.7*			ng/L	35.9		116	50-200			
Surrogate: M8PFOS	*38.3*			ng/L	34.5		111	50-200			
Surrogate: M9PFNA	*41.6*			ng/L	35.9		116	50-200			
Surrogate: MPFDoA	*45.1*			ng/L	35.9		125	50-200			
LCS Dup (B376586-BSD1)					Prepared: 06/07/24 Analyzed: 06/11/24						
Perfluorobutanoic acid (PFBA)	21.0	1.8	0.59	ng/L	18.0		116	70-130	6.37	30	
Perfluorobutanesulfonic acid (PFBS)	18.5	1.8	0.55	ng/L	16.0		116	70-130	4.51	30	
Perfluoropentanoic acid (PFPeA)	20.8	1.8	0.53	ng/L	18.0		115	70-130	3.77	30	
Perfluorohexanoic acid (PFHxA)	21.6	1.8	0.58	ng/L	18.0		120	70-130	4.23	30	
11Cl-PF3OUdS (F53B Major)	17.8	1.8	0.68	ng/L	17.0		105	70-130	10.2	30	
9Cl-PF3ONS (F53B Minor)	16.5	1.8	0.69	ng/L	16.8		97.9	70-130	11.1	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	16.2	1.8	0.50	ng/L	17.0		95.2	70-130	2.13	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	16.8	1.8	0.92	ng/L	18.0		93.1	70-130	22.6	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	19.9	1.8	0.59	ng/L	17.3		115	70-130	6.04	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 B376586 - EPA 533											
LCS Dup (B376586-BSD1)					Prepared: 06/07/24 Analyzed: 06/11/24						
Perfluorodecanoic acid (PFDA)	21.4	1.8	0.62	ng/L	18.0		119	70-130	16.2	30	
Perfluorododecanoic acid (PFDoA)	19.4	1.8	0.76	ng/L	18.0		108	70-130	3.35	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	19.1	1.8	0.54	ng/L	16.1		119	70-130	2.15	30	
Perfluoroheptanesulfonic acid (PFHpS)	19.3	1.8	0.63	ng/L	17.2		112	70-130	0.304	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	20.4	1.8	0.47	ng/L	16.9		121	70-130	5.71	30	
Perfluorohexanesulfonic acid (PFHxS)	18.4	1.8	0.63	ng/L	16.5		112	70-130	3.53	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	19.7	1.8	0.52	ng/L	18.0		109	70-130	2.72	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	21.1	1.8	0.48	ng/L	18.0		117	70-130	1.52	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	20.5	1.8	1.3	ng/L	17.1		120	70-130	1.72	30	
Perfluoropentanesulfonic acid (PFPeS)	21.0	1.8	0.61	ng/L	17.0		124	70-130	11.8	30	
Perfluoroundecanoic acid (PFUnA)	20.6	1.8	0.64	ng/L	18.0		114	70-130	6.43	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	19.9	1.8	0.64	ng/L	18.0		110	70-130	2.75	30	
Perfluoroheptanoic acid (PFHpA)	21.9	1.8	0.51	ng/L	18.0		121	70-130	7.15	30	
Perfluorooctanoic acid (PFOA)	19.2	1.8	0.51	ng/L	18.0		106	70-130	1.63	30	
Perfluorooctanesulfonic acid (PFOS)	19.5	1.8	0.66	ng/L	16.7		117	70-130	6.92	30	
Perfluorononanoic acid (PFNA)	20.5	1.8	0.92	ng/L	18.0		113	70-130	6.92	30	
Surrogate: M2-4:2FTS	*41.9*			ng/L	33.8		124	50-200			
Surrogate: M2-8:2FTS	*42.7*			ng/L	34.6		123	50-200			
Surrogate: MPFBA	*33.5*			ng/L	36.1		92.9	50-200			
Surrogate: M3HFPO-DA	*33.3*			ng/L	36.1		92.4	50-200			
Surrogate: M6PFDA	*37.2*			ng/L	36.1		103	50-200			
Surrogate: M3PFBS	*39.8*			ng/L	33.6		118	50-200			
Surrogate: M7PFUnA	*39.8*			ng/L	36.1		110	50-200			
Surrogate: M2-6:2FTS	*55.9*			ng/L	34.3		163	50-200			
Surrogate: M5PFPeA	*33.7*			ng/L	36.1		93.4	50-200			
Surrogate: M5PFHxA	*32.7*			ng/L	36.1		90.6	50-200			
Surrogate: M3PFHxS	*39.9*			ng/L	34.2		117	50-200			
Surrogate: M4PFHpA	*33.2*			ng/L	36.1		92.0	50-200			
Surrogate: M8PFOA	*37.4*			ng/L	36.1		104	50-200			
Surrogate: M8PFOS	*40.3*			ng/L	34.6		116	50-200			
Surrogate: M9PFNA	*35.2*			ng/L	36.1		97.5	50-200			
Surrogate: MPFDoA	*42.7*			ng/L	36.1		118	50-200			
Batch B376587 - EPA 533											
Blank (B376587-BLK1)					Prepared: 06/11/24 Analyzed: 06/12/24						
Perfluorobutanoic acid (PFBA)	ND	1.8	0.59	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.8	0.55	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.8	0.54	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.8	0.59	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.8	0.68	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.8	0.70	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8	0.50	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8	0.92	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8	0.59	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.8	0.62	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.8	0.77	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8	0.54	ng/L							

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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 B376587 - EPA 533											
Blank (B376587-BLK1)					Prepared: 06/11/24 Analyzed: 06/12/24						
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8	0.63	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8	0.48	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8	0.63	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8	0.52	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8	0.48	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8	1.3	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.8	0.61	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.8	0.65	ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8	0.64	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.8	0.51	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.8	0.51	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8	0.66	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.8	0.93	ng/L							
Surrogate: M2-4:2FTS	*39.0*			ng/L	34.0		115	50-200			
Surrogate: M2-8:2FTS	*47.8*			ng/L	34.8		137	50-200			
Surrogate: MPFBA	*34.5*			ng/L	36.2		95.3	50-200			
Surrogate: M3HFPO-DA	*28.6*			ng/L	36.2		78.9	50-200			
Surrogate: M6PFDA	*39.3*			ng/L	36.2		109	50-200			
Surrogate: M3PFBS	*35.9*			ng/L	33.7		106	50-200			
Surrogate: M7PFUnA	*39.7*			ng/L	36.2		110	50-200			
Surrogate: M2-6:2FTS	*62.0*			ng/L	34.4		180	50-200			
Surrogate: M5PFPeA	*31.5*			ng/L	36.2		86.9	50-200			
Surrogate: M5PFHxA	*31.5*			ng/L	36.2		87.1	50-200			
Surrogate: M3PFHxS	*37.2*			ng/L	34.3		108	50-200			
Surrogate: M4PFHpA	*33.7*			ng/L	36.2		93.0	50-200			
Surrogate: M8PFOA	*36.7*			ng/L	36.2		101	50-200			
Surrogate: M8PFOS	*37.3*			ng/L	34.7		107	50-200			
Surrogate: M9PFNA	*39.3*			ng/L	36.2		109	50-200			
Surrogate: MPFDoA	*43.7*			ng/L	36.2		121	50-200			
LCS (B376587-BS1)					Prepared: 06/11/24 Analyzed: 06/12/24						
Perfluorobutanoic acid (PFBA)	2.11	1.9	0.63	ng/L	1.92		110	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.69	1.9	0.58	ng/L	1.70		99.5	50-150			J
Perfluoropentanoic acid (PFPeA)	2.39	1.9	0.57	ng/L	1.92		124	50-150			
Perfluorohexanoic acid (PFHxA)	2.24	1.9	0.62	ng/L	1.92		117	50-150			
11Cl-PF3OUdS (F53B Major)	1.56	1.9	0.73	ng/L	1.81		86.2	50-150			J
9Cl-PF3ONS (F53B Minor)	1.49	1.9	0.74	ng/L	1.79		83.3	50-150			J
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.66	1.9	0.53	ng/L	1.81		91.8	50-150			J
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.77	1.9	0.98	ng/L	1.92		91.9	50-150			J
8:2 Fluorotelomersulfonic acid (8:2FTS A)	2.04	1.9	0.63	ng/L	1.84		111	50-150			
Perfluorodecanoic acid (PFDA)	2.11	1.9	0.66	ng/L	1.92		110	50-150			
Perfluorododecanoic acid (PFDoA)	2.25	1.9	0.81	ng/L	1.92		117	50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	2.05	1.9	0.58	ng/L	1.71		120	50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.83	1.9	0.67	ng/L	1.83		99.6	50-150			J
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.90	1.9	0.51	ng/L	1.80		106	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.85	1.9	0.67	ng/L	1.76		105	50-150			J
Perfluoro-4-oxapentanoic acid (PFMPA)	1.80	1.9	0.56	ng/L	1.92		93.8	50-150			J
Perfluoro-5-oxahexanoic acid (PFMBA)	2.01	1.9	0.51	ng/L	1.92		105	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 B376587 - EPA 533											
LCS (B376587-BS1)					Prepared: 06/11/24 Analyzed: 06/12/24						
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.83	1.9	1.4	ng/L	1.83		100	50-150			J
Perfluoropentanesulfonic acid (PFPeS)	1.88	1.9	0.65	ng/L	1.81		104	50-150			J
Perfluoroundecanoic acid (PFUnA)	2.37	1.9	0.69	ng/L	1.92		123	50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.19	1.9	0.68	ng/L	1.92		114	50-150			
Perfluoroheptanoic acid (PFHpA)	2.12	1.9	0.54	ng/L	1.92		110	50-150			
Perfluorooctanoic acid (PFOA)	2.29	1.9	0.55	ng/L	1.92		119	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.16	1.9	0.70	ng/L	1.78		122	50-150			
Perfluorononanoic acid (PFNA)	2.10	1.9	0.98	ng/L	1.92		109	50-150			
Surrogate: M2-4:2FTS	*35.0*			ng/L	36.0		97.2	50-200			
Surrogate: M2-8:2FTS	*42.8*			ng/L	36.9		116	50-200			
Surrogate: MPFBA	*30.1*			ng/L	38.4		78.4	50-200			
Surrogate: M3HFPO-DA	*25.1*			ng/L	38.4		65.4	50-200			
Surrogate: M6PFDA	*41.0*			ng/L	38.4		107	50-200			
Surrogate: M3PFBS	*32.7*			ng/L	35.8		91.4	50-200			
Surrogate: M7PFUnA	*40.7*			ng/L	38.4		106	50-200			
Surrogate: M2-6:2FTS	*60.7*			ng/L	36.5		166	50-200			
Surrogate: M5PFPeA	*27.1*			ng/L	38.4		70.6	50-200			
Surrogate: M5PFHxA	*28.4*			ng/L	38.4		74.0	50-200			
Surrogate: M3PFHxS	*33.6*			ng/L	36.4		92.1	50-200			
Surrogate: M4PFHpA	*30.9*			ng/L	38.4		80.5	50-200			
Surrogate: M8PFOA	*35.3*			ng/L	38.4		91.8	50-200			
Surrogate: M8PFOS	*36.4*			ng/L	36.8		98.8	50-200			
Surrogate: M9PFNA	*41.9*			ng/L	38.4		109	50-200			
Surrogate: MPFDoA	*42.4*			ng/L	38.4		110	50-200			
Batch B377504 - EPA 533											
Blank (B377504-BLK1)					Prepared: 06/18/24 Analyzed: 06/20/24						
Perfluorobutanoic acid (PFBA)	ND	1.9	0.61	ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.9	0.56	ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.9	0.55	ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9	0.60	ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9	0.70	ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9	0.72	ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9	0.51	ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9	0.95	ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9	0.61	ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9	0.64	ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9	0.79	ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9	0.56	ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9	0.65	ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9	0.49	ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9	0.65	ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9	0.54	ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9	0.49	ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9	1.4	ng/L							
Perfluoropentanesulfonic acid (PFPeS)	ND	1.9	0.63	ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9	0.66	ng/L							

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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 B377504 - EPA 533											
Blank (B377504-BLK1)					Prepared: 06/18/24 Analyzed: 06/20/24						
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9	0.66	ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9	0.52	ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9	0.53	ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9	0.68	ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9	0.95	ng/L							
Surrogate: M2-4:2FTS	*26.5*			ng/L	34.9		76.1	50-200			
Surrogate: M2-8:2FTS	*37.8*			ng/L	35.7		106	50-200			
Surrogate: MPFBA	*39.4*			ng/L	37.2		106	50-200			
Surrogate: M3HFPO-DA	*34.5*			ng/L	37.2		92.8	50-200			
Surrogate: M6PFDA	*38.6*			ng/L	37.2		104	50-200			
Surrogate: M3PFBS	*32.9*			ng/L	34.7		95.0	50-200			
Surrogate: M7PFUnA	*37.3*			ng/L	37.2		100	50-200			
Surrogate: M2-6:2FTS	*62.6*			ng/L	35.4		177	50-200			
Surrogate: M5PFPeA	*41.1*			ng/L	37.2		111	50-200			
Surrogate: M5PFHxA	*34.3*			ng/L	37.2		92.3	50-200			
Surrogate: M3PFHxS	*35.5*			ng/L	35.3		101	50-200			
Surrogate: M4PFHpA	*35.2*			ng/L	37.2		94.8	50-200			
Surrogate: M8PFOA	*38.7*			ng/L	37.2		104	50-200			
Surrogate: M8PFOS	*36.4*			ng/L	35.7		102	50-200			
Surrogate: M9PFNA	*39.7*			ng/L	37.2		107	50-200			
Surrogate: MPFDoA	*36.9*			ng/L	37.2		99.3	50-200			
LCS (B377504-BS1)					Prepared: 06/18/24 Analyzed: 06/20/24						
Perfluorobutanoic acid (PFBA)	8.86	1.9	0.61	ng/L	9.28		95.4	70-130			
Perfluorobutanesulfonic acid (PFBS)	7.63	1.9	0.56	ng/L	8.22		92.9	70-130			
Perfluoropentanoic acid (PFPeA)	8.76	1.9	0.55	ng/L	9.28		94.3	70-130			
Perfluorohexanoic acid (PFHxA)	8.87	1.9	0.60	ng/L	9.28		95.5	70-130			
11Cl-PF3OUdS (F53B Major)	7.27	1.9	0.70	ng/L	8.74		83.1	70-130			
9Cl-PF3ONS (F53B Minor)	7.05	1.9	0.71	ng/L	8.65		81.5	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.62	1.9	0.51	ng/L	8.74		87.1	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.56	1.9	0.95	ng/L	9.28		81.5	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.06	1.9	0.61	ng/L	8.91		90.5	70-130			
Perfluorodecanoic acid (PFDA)	9.00	1.9	0.64	ng/L	9.28		96.9	70-130			
Perfluorododecanoic acid (PFDoA)	9.03	1.9	0.79	ng/L	9.28		97.3	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	7.95	1.9	0.56	ng/L	8.26		96.2	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	8.45	1.9	0.65	ng/L	8.87		95.3	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.27	1.9	0.49	ng/L	8.68		95.3	70-130			
Perfluorohexanesulfonic acid (PFHxS)	7.62	1.9	0.65	ng/L	8.49		89.7	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	9.11	1.9	0.54	ng/L	9.28		98.1	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	9.24	1.9	0.49	ng/L	9.28		99.6	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.49	1.9	1.4	ng/L	8.82		96.2	70-130			
Perfluoropentanesulfonic acid (PFPeS)	7.96	1.9	0.62	ng/L	8.73		91.3	70-130			
Perfluoroundecanoic acid (PFUnA)	8.66	1.9	0.66	ng/L	9.28		93.3	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.24	1.9	0.66	ng/L	9.28		99.5	70-130			
Perfluoroheptanoic acid (PFHpA)	8.22	1.9	0.52	ng/L	9.28		88.6	70-130			
Perfluorooctanoic acid (PFOA)	8.48	1.9	0.53	ng/L	9.28		91.3	70-130			
Perfluorooctanesulfonic acid (PFOS)	7.81	1.9	0.68	ng/L	8.59		91.0	70-130			
Perfluorononanoic acid (PFNA)	9.12	1.9	0.95	ng/L	9.28		98.2	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 B377504 - EPA 533											
LCS (B377504-BS1)					Prepared: 06/18/24 Analyzed: 06/20/24						
Surrogate: M2-4:2FTS	*26.3*			ng/L	34.8		75.7	50-200			
Surrogate: M2-8:2FTS	*36.6*			ng/L	35.6		103	50-200			
Surrogate: MPFBA	*39.6*			ng/L	37.1		107	50-200			
Surrogate: M3HFPO-DA	*35.5*			ng/L	37.1		95.6	50-200			
Surrogate: M6PFDA	*39.8*			ng/L	37.1		107	50-200			
Surrogate: M3PFBS	*33.8*			ng/L	34.6		97.6	50-200			
Surrogate: M7PFUnA	*39.3*			ng/L	37.1		106	50-200			
Surrogate: M2-6:2FTS	*49.7*			ng/L	35.3		141	50-200			
Surrogate: M5PFPeA	*41.2*			ng/L	37.1		111	50-200			
Surrogate: M5PFHxA	*35.9*			ng/L	37.1		96.8	50-200			
Surrogate: M3PFHxS	*35.9*			ng/L	35.2		102	50-200			
Surrogate: M4PFHpA	*37.1*			ng/L	37.1		99.8	50-200			
Surrogate: M8PFOA	*40.1*			ng/L	37.1		108	50-200			
Surrogate: M8PFOS	*37.7*			ng/L	35.6		106	50-200			
Surrogate: M9PFNA	*38.7*			ng/L	37.1		104	50-200			
Surrogate: MPFDoA	*41.1*			ng/L	37.1		111	50-200			
Matrix Spike (B377504-MS1)		**Source: 24F0809-02RE1**			Prepared: 06/18/24 Analyzed: 06/20/24						
Perfluorobutanoic acid (PFBA)	14.3	2.0	0.64	ng/L	9.80	4.69	98.3	70-130			
Perfluorobutanesulfonic acid (PFBS)	8.45	2.0	0.59	ng/L	8.68	ND	97.4	70-130			
Perfluoropentanoic acid (PFPeA)	11.6	2.0	0.58	ng/L	9.80	2.14	96.2	70-130			
Perfluorohexanoic acid (PFHxA)	10.0	2.0	0.63	ng/L	9.80	ND	102	70-130			
11Cl-PF3OUdS (F53B Major)	7.20	2.0	0.74	ng/L	9.23	ND	78.0	70-130			
9Cl-PF3ONS (F53B Minor)	7.02	2.0	0.75	ng/L	9.14	ND	76.9	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.93	2.0	0.54	ng/L	9.23	ND	85.9	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	6.96	2.0	1.0	ng/L	9.80	ND	71.0	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.26	2.0	0.64	ng/L	9.41	ND	87.8	70-130			
Perfluorodecanoic acid (PFDA)	9.49	2.0	0.67	ng/L	9.80	ND	96.8	70-130			
Perfluorododecanoic acid (PFDoA)	9.89	2.0	0.83	ng/L	9.80	ND	101	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.80	2.0	0.59	ng/L	8.72	ND	101	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	8.66	2.0	0.69	ng/L	9.36	ND	92.5	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.30	2.0	0.52	ng/L	9.17	ND	90.5	70-130			
Perfluorohexanesulfonic acid (PFHxS)	8.45	2.0	0.69	ng/L	8.97	ND	94.2	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	10.8	2.0	0.57	ng/L	9.80	ND	110	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	9.84	2.0	0.52	ng/L	9.80	ND	100	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.85	2.0	1.5	ng/L	9.31	ND	95.1	70-130			
Perfluoropentanesulfonic acid (PFPeS)	7.99	2.0	0.66	ng/L	9.21	ND	86.7	70-130			
Perfluoroundecanoic acid (PFUnA)	9.91	2.0	0.70	ng/L	9.80	ND	101	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.59	2.0	0.69	ng/L	9.80	ND	97.8	70-130			
Perfluoroheptanoic acid (PFHpA)	9.14	2.0	0.55	ng/L	9.80	ND	93.2	70-130			
Perfluorooctanoic acid (PFOA)	9.29	2.0	0.56	ng/L	9.80	ND	94.8	70-130			
Perfluorooctanesulfonic acid (PFOS)	8.88	2.0	0.72	ng/L	9.07	ND	97.9	70-130			
Perfluorononanoic acid (PFNA)	9.43	2.0	1.0	ng/L	9.80	ND	96.2	70-130			
Surrogate: M2-4:2FTS	*21.4*			ng/L	36.8		58.2	50-200			
Surrogate: M2-8:2FTS	*35.4*			ng/L	37.6		94.0	50-200			
Surrogate: MPFBA	*37.7*			ng/L	39.2		96.2	50-200			
Surrogate: M3HFPO-DA	*31.4*			ng/L	39.2		80.1	50-200			
Surrogate: M6PFDA	*34.2*			ng/L	39.2		87.2	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 B377504 - EPA 533											
Matrix Spike (B377504-MS1)	**Source: 24F0809-02RE1**				Prepared: 06/18/24 Analyzed: 06/20/24						
Surrogate: M3PFBS	*30.3*			ng/L	36.5		82.9	50-200			
Surrogate: M7PFUnA	*34.2*			ng/L	39.2		87.2	50-200			
Surrogate: M2-6:2FTS	*49.8*			ng/L	37.3		134	50-200			
Surrogate: M5PFPeA	*44.5*			ng/L	39.2		114	50-200			
Surrogate: M5PFHxA	*30.6*			ng/L	39.2		78.1	50-200			
Surrogate: M3PFHxS	*34.4*			ng/L	37.2		92.5	50-200			
Surrogate: M4PFHpA	*30.0*			ng/L	39.2		76.6	50-200			
Surrogate: M8PFOA	*32.0*			ng/L	39.2		81.5	50-200			
Surrogate: M8PFOS	*36.0*			ng/L	37.6		95.7	50-200			
Surrogate: M9PFNA	*33.6*			ng/L	39.2		85.8	50-200			
Surrogate: MPFDoA	*33.9*			ng/L	39.2		86.5	50-200			
Matrix Spike Dup (B377504-MSD1)	**Source: 24F0809-02RE1**				Prepared: 06/18/24 Analyzed: 06/20/24						
Perfluorobutanoic acid (PFBA)	13.7	2.0	0.64	ng/L	9.80	4.69	92.4	70-130	4.11	30	
Perfluorobutanesulfonic acid (PFBS)	8.15	2.0	0.59	ng/L	8.67	ND	94.0	70-130	3.62	30	
Perfluoropentanoic acid (PFPeA)	11.2	2.0	0.58	ng/L	9.80	2.14	91.9	70-130	3.72	30	
Perfluorohexanoic acid (PFHxA)	9.56	2.0	0.63	ng/L	9.80	ND	97.5	70-130	4.85	30	
11Cl-PF3OUdS (F53B Major)	7.65	2.0	0.74	ng/L	9.23	ND	82.8	70-130	5.96	30	
9Cl-PF3ONS (F53B Minor)	6.72	2.0	0.75	ng/L	9.14	ND	73.6	70-130	4.42	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	7.63	2.0	0.54	ng/L	9.23	ND	82.7	70-130	3.87	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	7.37	2.0	1.0	ng/L	9.80	ND	75.2	70-130	5.83	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	8.45	2.0	0.64	ng/L	9.41	ND	89.8	70-130	2.20	30	
Perfluorodecanoic acid (PFDA)	9.53	2.0	0.67	ng/L	9.80	ND	97.2	70-130	0.433	30	
Perfluorododecanoic acid (PFDoA)	9.36	2.0	0.83	ng/L	9.80	ND	95.5	70-130	5.49	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.35	2.0	0.59	ng/L	8.72	ND	95.7	70-130	5.32	30	
Perfluoroheptanesulfonic acid (PFHpS)	8.08	2.0	0.69	ng/L	9.36	ND	86.3	70-130	6.91	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.30	2.0	0.52	ng/L	9.16	ND	90.6	70-130	0.0128	30	
Perfluorohexanesulfonic acid (PFHxS)	7.95	2.0	0.69	ng/L	8.97	ND	88.6	70-130	6.13	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	10.3	2.0	0.57	ng/L	9.80	ND	105	70-130	4.95	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	9.41	2.0	0.52	ng/L	9.80	ND	96.0	70-130	4.53	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.17	2.0	1.5	ng/L	9.31	ND	98.4	70-130	3.45	30	
Perfluoropentanesulfonic acid (PFPeS)	7.65	2.0	0.66	ng/L	9.21	ND	83.0	70-130	4.35	30	
Perfluoroundecanoic acid (PFUnA)	8.93	2.0	0.70	ng/L	9.80	ND	91.1	70-130	10.4	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	9.01	2.0	0.69	ng/L	9.80	ND	92.0	70-130	6.19	30	
Perfluoroheptanoic acid (PFHpA)	8.42	2.0	0.55	ng/L	9.80	ND	85.9	70-130	8.13	30	
Perfluorooctanoic acid (PFOA)	8.27	2.0	0.56	ng/L	9.80	ND	84.4	70-130	11.6	30	
Perfluorooctanesulfonic acid (PFOS)	8.47	2.0	0.72	ng/L	9.07	ND	93.5	70-130	4.65	30	
Perfluorononanoic acid (PFNA)	9.19	2.0	1.0	ng/L	9.80	ND	93.8	70-130	2.61	30	
Surrogate: M2-4:2FTS	*21.9*			ng/L	36.8		59.6	50-200			
Surrogate: M2-8:2FTS	*38.7*			ng/L	37.6		103	50-200			
Surrogate: MPFBA	*37.7*			ng/L	39.2		96.2	50-200			
Surrogate: M3HFPO-DA	*30.2*			ng/L	39.2		77.0	50-200			
Surrogate: M6PFDA	*37.5*			ng/L	39.2		95.6	50-200			
Surrogate: M3PFBS	*32.9*			ng/L	36.5		89.9	50-200			
Surrogate: M7PFUnA	*38.4*			ng/L	39.2		97.9	50-200			
Surrogate: M2-6:2FTS	*50.1*			ng/L	37.3		134	50-200			
Surrogate: M5PFPeA	*44.5*			ng/L	39.2		113	50-200			
Surrogate: M5PFHxA	*32.2*			ng/L	39.2		82.2	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 B377504 - EPA 533											
Matrix Spike Dup (B377504-MSD1)	**Source: 24F0809-02RE1**				Prepared: 06/18/24 Analyzed: 06/20/24						
Surrogate: M3PFHxS	*37.4*			ng/L	37.2		101	50-200			
Surrogate: M4PFHpA	*32.2*			ng/L	39.2		82.1	50-200			
Surrogate: M8PFOA	*36.1*			ng/L	39.2		92.1	50-200			
Surrogate: M8PFOS	*39.4*			ng/L	37.6		105	50-200			
Surrogate: M9PFNA	*37.1*			ng/L	39.2		94.7	50-200			
Surrogate: MPFDoA	*39.2*			ng/L	39.2		100	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.
J	Detected but below the Reporting Limit (lowest calibration standard); therefore, result is an estimated concentration (CLP J-Flag).
PF-18	Re-analysis confirmed Extracted Internal Standard failure due to matrix effects.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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	04/1/2025
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2025
NJ	New Jersey DEP	MA007 NELAP	06/30/2025
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2025
ME	State of Maine	MA00100	06/9/2025
VA	Commonwealth of Virginia	460217	12/14/2024
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2025
OH	Ohio Environmental Protection Agency	87781	04/1/2025

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CHAIN OF CUSTODY RECORD (New York)

24F0809
RJM

Page 1 of 3

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

Company Name: NYS DEC	Consultant: Arcadis
Consultant Address: 201 Fuller Road Suite 201, Albany, NY 12203	
Consultant Phone: 518-250-7269	
Callout Project Name:	Stewart ANG- Butterhill
Project Location:	New Windsor, New York
Callout Number:	~~149239~~ 151957
Site/Spill Number:	336089
Project Manager:	David Chiusano
Pace Analytical Quote Name/Number Callout ID	~~149239~~ 151957
Invoice Recipient:	David Chiusano
Sampled By: Meg Fitzgerald	Meghan Fitzgerald/ Case VandeValk

Requested Turnaround Time
DEC Standard 30-calendar day ☑
Due Date:

Rush (Prior Approval Required)
1-Day ☐ 2-Day ☐ 3-Day ☐
4-Day ☐ 5-Day ☐ 10-Day ☐

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like (Level 4) Data Pkg Required: ☐
Email To: David.Chiusano@dec.ny.gov
Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | TCLP RCRA 8 Metals	PFAS 1633 | PFAS 537 ID	EPA 533	MS/ MSD				
														20	4				
														I	I				
														P	P				
1	BH20240605 - PRE GAC	6/5/2024	0954		X	DW								2					
2	BH20240605 - POST GAC	6/5/2024	0956		X	DW								2	4				
3	BH20240605 - POST GAC DUP	6/5/2024	0959		X	DW								2					
4	BH20240605 - 1N -25	6/5/2024	1014		X	DW								2					
5	BH20240605 - 1N - 50	6/5/2024	1016		X	DW								2					
6	BH20240605 - 1N - 75	6/5/2024	1018		X	DW								2					
7	BH20240605 - 1MID	6/5/2024	1019		X	DW								2					
8	BH20240605 -1S - 25	6/5/2024	1023		X	DW								2					
9	BH20240605 - 1S - 50	6/5/2024	1024		X	DW								2					
10	BH20240605 - 1S - 75	6/5/2024	1026		X	DW								2					

# of Containers	
[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 forward 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

Relinquished by: (signature) Meg Fitzgerald	Date/Time: 6/5 1246	
Received by: (signature)	Date/Time: 6/5/24 1246	
Relinquished by: (signature)	Date/Time: 6/5/24 1435	
Received by: (signature)	Date/Time: 6/5/24	
Relinquished by: (signature)	Date/Time: 6/5/24 18:45	
Received by: (signature)	Date/Time: 6/5 2200	

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 2.9/3.6

AAL 6/6/24 0600

AAL 6/6/24 0835

6-6-24 0835

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RJM

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

Company Name: NYS DEC	Consultant: Arcadis
Consultant Address: 201 Fuller Road Suite 201, Albany, NY 12203	
Consultant Phone: 518-250-7269	
Callout Project Name:	Stewart ANG- Butterhill
Project Location:	New Windsor, New York
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Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like (Level 4) Data Pkg Required: ☐
Email To: David.Chiusano@dec.ny.gov
Fax To #:

ANALYSIS REQUESTED (Circle Requested Analyses/Reporting List)

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	8260: DER TCL / Oxygenates / CP-51	8270: DER TCL / CP-51	1,4-Dioxane SIM | 8082 PCBs	8081 Pesticide | 8151 Herbicide	TAL Total Metals | TCLP RCRA 8 Metals	PFAS 1633 | PFAS 537 ID	EPA 533				# of Containers
														20				# of Containers
														I				[2] Preservation Code
														P				[3] Container Code
11	BH20240605 - 1POST	6/5/2024	1028		X	DW								2				
12	BH20240605 - 2N - 25	6/5/2024	1032		X	DW								2				
13	BH20240605 - 2N - 50	6/5/2024	1033		X	DW								2				
14	BH20240605 - 2N - 75	6/5/2024	1034		X	DW								2				
15	BH20240605 - 2MID	6/5/2024	1036		X	DW								2				
16	BH20240605 - 2S - 25	6/5/2024	1040		X	DW								2				
17	BH20240605 - 2S - 50	6/5/2024	1041		X	DW								2				
18	BH20240605 - 2S - 75	6/5/2024	1042		X	DW								2				
19	BH20240605 - 2POST	6/5/2024	1048		X	DW								2				
20	BH20240605 - 3N - 25	6/5/2024	1053		X	DW								2				

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 forward 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

Relinquished by: (signature) Meg Fitzgerald	Date/Time: 6/5 1246	
Received by: (signature)	Date/Time: 6/5/24 1246	
Relinquished by: (signature)	Date/Time: 6/5/24 1435	
Received by: (signature)	Date/Time: 6/5/24	
Relinquished by: (signature)	Date/Time: 6/5/24 18:47	
Received by: (signature)	Date/Time: 6/5/24 2208	

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 2.4/3.6 6-6-24 0835

AAL 6/6/24 0835

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 ANG - 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 AAM/6-6-24/0835

Back-Sheet By / Date / Time AAM/6-6-24/1420

Temperature Method Temp. Gun # 4

Temp ✓ < 6° C Actual Temperature 2.9/3.6°C

Rush Samples: Yes / (No) Notify

Short Hold: Yes / (No) Notify

Notes regarding Samples/COC outside of SOP:

chain of custody was split after the first 2 pages

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

Quaitrax ID: 120836

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