NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation
625 Broadway, 12th Floor, Albany, New York 12233-7011
P: (518) 402-9706 | F: (518) 402-9020
www.dec.ny.gov

April 19, 2023

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

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

Dear Supervisor Meyers:

The New York State Department of Environmental Conservation (DEC) is providing you with a copy of analytical results derived from the **March 17,2023** sampling of the temporary granular activated carbon (GAC) water treatment system by DEC representatives that was installed at the Town of New Windsor (Town) Butterhill Wellfield located at 181 Forge Hill Road.

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

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

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

- pre-treatment (combined raw untreated water), which has a “BH20230317PRE-GAC” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20230317-1N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20230317-1N-50” identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20230317-1N-75” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20230317-2N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20230317-2N-50” identifier in the Client Sample ID;

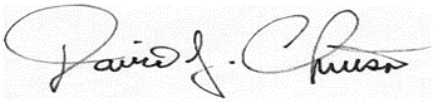
- 75 % treatment (within the lead GAC canister in Pair Train No. 2), which has a "BH20230317-2N-75" identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 3), which has a "BH20230317-3N-25" identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 3), which has a "BH20230317-3N-50" identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 3), which has a "BH20230317-3N-75" identifier in the Client Sample ID;
- Butterhill Well No.1 raw untreated water; which has a "BH20230317-1RAW" identifier in the Client Sample ID;
- Butterhill Well No.2 raw untreated water; which has a "BH20230317-2RAW" identifier in the Client Sample ID;
- Butterhill Well No.3 raw untreated water; which has a "BH20230317-3RAW" identifier in the Client Sample ID;
- Post-treatment (treated water after all GAC trains), which has a "BH20230317POST-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 "BH20230317-1 MID" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 1), which has a "BH20230317-1 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 "BH20230317-2 MID" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 2), which has a "BH20230317-2 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 "BH20230317-3 MID" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 3), which has a "BH20230317-3 POST" identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 1), which has a "BH20230317-1S-25" identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 1), which has a "BH20230317-1S-50" identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 1), which has a "BH20230317-1S-75" identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 2), which has a "BH20230317-2S-25" identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 2), which has a "BH20230317-2S-50" identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 2), which has a "BH20230317-2S-75" identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 3), which has a "BH20230317-3S-25" identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 3), which has a "BH20230317-3S-50" identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 3), which has a "BH20230317-3S-75" identifier in the Client Sample ID;

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

Please note that the next GAC OM sampling event will be scheduled around June 2023.

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

Sincerely,



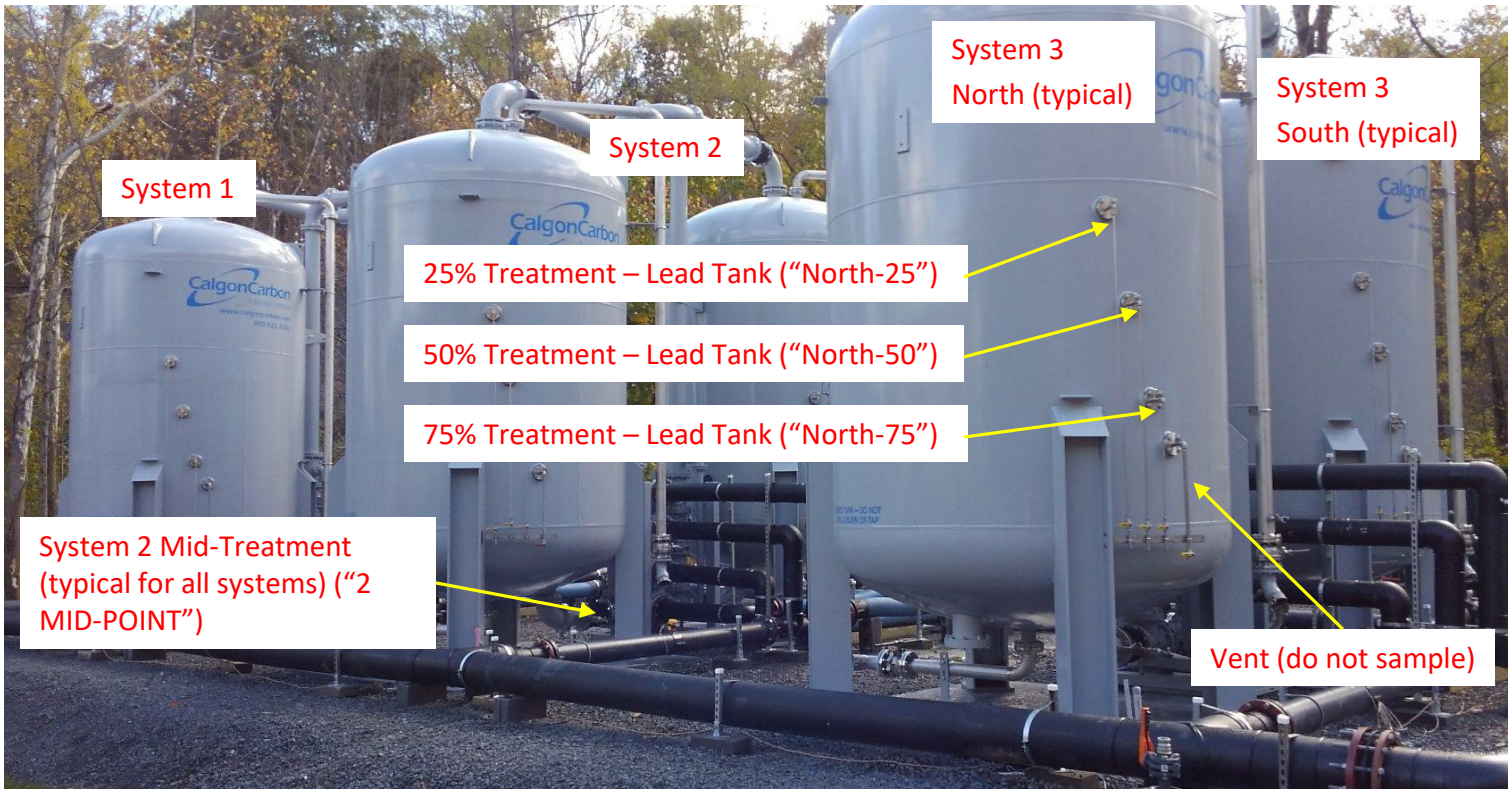
David J. Chiusano
Environmental Engineer/Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

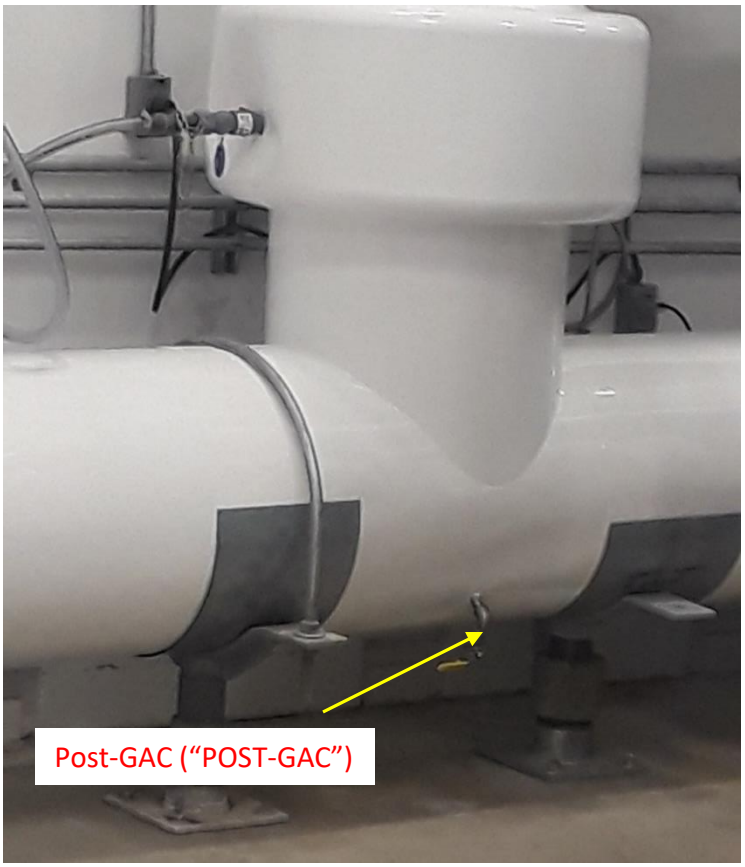
Enclosures

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

Figure 1
Sampling Locations

Butterhill Plant Temporary GAC Treatment System





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

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
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

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

Date	Analyte	GAC Pair 1 Mid-Point	GAC Pair 1 Post	GAC Pair 1 Lag 25%(South)	GAC Pair 1 Lag 50% (South)	GAC Pair 1 Lag 75%(South)	GAC Pair 2 Mid-Point	GAC Pair 2 Post	GAC Pair 2 Lag 25% (South)	GAC Pair 2 Lag 50%(South)	GAC Pair 2 Lag 75%(South)	GAC Pair 3 Mid-Point	GAC Pair 3 Post	GAC Pair 3 Lag 25%(South)	GAC Pair 3 Lag 50%(South)	GAC Pair 3 Lag 75%(South)	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**

Notes:

* Method 533 List Analysis

** At the time of sampling (03/17/2023), Production Well 2 was feeding the plant. Last GAC change completed in October 2022

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

How to Read Your Laboratory Reports

PFOA and PFOS Results:

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

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

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

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

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

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

con-test®
A Pace Analytical® Laboratory

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

April 14, 2023

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

Project Location: New Windsor, NY
Client Job Number:
Project Number: 30058345
Laboratory Work Order Number: 23C2115

Enclosed are results of analyses for samples as received by the laboratory on March 18, 2023. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Raymond J. McCarthy
Project Manager

Table of Contents

Table of Contents (continued)

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A Pace Analytical® Laboratory

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

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

REPORT DATE: 4/14/2023

PURCHASE ORDER NUMBER: 141586

PROJECT NUMBER: 30058345

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 23C2115

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

PROJECT LOCATION: New Windsor, NY

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
BH20230317-PRE-GAC	23C2115-01	Drinking Water		EPA 533	
BH20230317-POST-GAC	23C2115-02	Drinking Water		EPA 533	
BH20230317-POST-GAC DUP	23C2115-03	Drinking Water		EPA 533	
BH20230317-POST-GAC MS/MSD	23C2115-04	Drinking Water		EPA 533	
BH20230317-1N-25	23C2115-05	Drinking Water		EPA 533	
BH20230317-1N-50	23C2115-06	Drinking Water		EPA 533	
BH20230317-1N-75	23C2115-07	Drinking Water		EPA 533	
BH20230317-1POST	23C2115-08	Drinking Water		EPA 533	
BH20230317-1S-25	23C2115-09	Drinking Water		EPA 533	
BH20230317-1S-50	23C2115-10	Drinking Water		EPA 533	
BH20230317-1S-75	23C2115-11	Drinking Water		EPA 533	
BH20230317-1 MID	23C2115-12	Drinking Water		EPA 533	
BH20230317-2N-25	23C2115-13	Drinking Water		EPA 533	
BH20230317-2N-50	23C2115-14	Drinking Water		EPA 533	
BH20230317-2N-75	23C2115-15	Drinking Water		EPA 533	
BH20230317-2 POST	23C2115-16	Drinking Water		EPA 533	
BH20230317-2S-25	23C2115-17	Drinking Water		EPA 533	
BH20230317-2S-50	23C2115-18	Drinking Water		EPA 533	
BH20230317-2S-75	23C2115-19	Drinking Water		EPA 533	
BH20230317-2 MID	23C2115-20	Drinking Water		EPA 533	
BH20230317-3N-25	23C2115-21	Drinking Water		EPA 533	
BH20230317-3N-50	23C2115-22	Drinking Water		EPA 533	
BH20230317-3N-75	23C2115-23	Drinking Water		EPA 533	
BH20230317-3 POST	23C2115-24	Drinking Water		EPA 533	
BH20230317-3S-25	23C2115-25	Drinking Water		EPA 533	
BH20230317-3S-50	23C2115-26	Drinking Water		EPA 533	
BH20230317-3S-75	23C2115-27	Drinking Water		EPA 533	
BH20230317-3 MID	23C2115-28	Drinking Water		EPA 533	
BH20230317-1 RAW	23C2115-29	Drinking Water		EPA 533	
BH20230317-2 RAW	23C2115-30	Drinking Water		EPA 533	
BH20230317-3 RAW	23C2115-31	Drinking Water		EPA 533	

con-test®
A Pace Analytical® Laboratory

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

CASE NARRATIVE SUMMARY

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

EPA 533

Qualifications:

L-01

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

Analyte & Samples(s) Qualified:

8:2 Fluorotelomersulfonic acid (8:2
B334735-BSD1

Perfluoroheptanesulfonic acid (PFl
B334735-BS1

L-02

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

Analyte & Samples(s) Qualified:

Perfluoro(2-ethoxyethane)sulfonic
B334735-BS1, B334735-BSD1

Perfluoroundecanoic acid (PFUnA)
B334735-BS1, B334735-BSD1

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

6:2 Fluorotelomersulfonic acid (6:2
B334735-BSD1

PF-17

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

Analyte & Samples(s) Qualified:

M2-6:2FTS
23C2115-19[BH20230317-2S-75]

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M2-4:2FTS
S085286-CCV3, S085553-CCV1, S085553-CCV2, S085553-CCV3

M2-6:2FTS
S085286-CCV2, S085286-CCV3, S085553-CCV2

M2-8:2FTS
S085286-CCV2, S085286-CCV3

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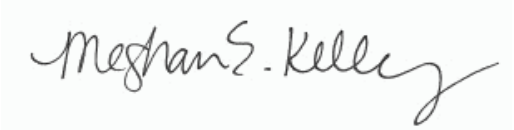
The results of analyses reported only relate to samples submitted to Con-Test, a Pace Analytical Laboratory, for testing.
I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in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



Meghan E. Kelley
Reporting Specialist

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-PRE-GAC | Sampled: 3/17/2023 09:56

Sample ID: 23C2115-01

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.6	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluorobutanesulfonic acid (PFBS)	3.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluoropentanoic acid (PFPeA)	5.4	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluorohexanoic acid (PFHxA)	3.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluorohexanesulfonic acid (PFHxS)	5.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluoroheptanoic acid (PFHpA)	2.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluorooctanoic acid (PFOA)	4.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluorooctanesulfonic acid (PFOS)	5.7	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:27	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	76.2	50-200		4/6/23 12:27
M2-8:2FTS	112	50-200		4/6/23 12:27
MPFBA	100	50-200		4/6/23 12:27
M3HFPO-DA	79.7	50-200		4/6/23 12:27
M6PFDA	106	50-200		4/6/23 12:27
M3PFBS	89.8	50-200		4/6/23 12:27
M7PFUnA	90.2	50-200		4/6/23 12:27
M2-6:2FTS	126	50-200		4/6/23 12:27
M5PFPeA	107	50-200		4/6/23 12:27
M5PFHxA	93.0	50-200		4/6/23 12:27
M3PFHxS	92.5	50-200		4/6/23 12:27
M4PFHpA	93.2	50-200		4/6/23 12:27
M8PFOA	102	50-200		4/6/23 12:27
M8PFOS	88.1	50-200		4/6/23 12:27
M9PFNA	109	50-200		4/6/23 12:27
MPFDoA	74.8	50-200		4/6/23 12:27

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-POST-GAC | Sampled: 3/17/2023 09:58

Sample ID: 23C2115-02

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.1	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:35	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	62.8	50-200		4/6/23 12:35
M2-8:2FTS	124	50-200		4/6/23 12:35
MPFBA	84.6	50-200		4/6/23 12:35
M3HFPO-DA	78.1	50-200		4/6/23 12:35
M6PFDA	96.8	50-200		4/6/23 12:35
M3PFBS	86.9	50-200		4/6/23 12:35
M7PFUnA	80.0	50-200		4/6/23 12:35
M2-6:2FTS	118	50-200		4/6/23 12:35
M5PFPeA	81.8	50-200		4/6/23 12:35
M5PFHxA	77.6	50-200		4/6/23 12:35
M3PFHxS	86.2	50-200		4/6/23 12:35
M4PFHpA	78.1	50-200		4/6/23 12:35
M8PFOA	90.7	50-200		4/6/23 12:35
M8PFOS	91.7	50-200		4/6/23 12:35
M9PFNA	97.4	50-200		4/6/23 12:35
MPFDoA	71.4	50-200		4/6/23 12:35

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Project Location: New Windsor, NY Sample Description: Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-POST-GAC DUP Sampled: 3/17/2023 10:00

Sample ID: 23C2115-03

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.7	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:42	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	65.0	50-200		4/6/23 12:42
M2-8:2FTS	126	50-200		4/6/23 12:42
MPFBA	106	50-200		4/6/23 12:42
M3HFPO-DA	88.7	50-200		4/6/23 12:42
M6PFDA	118	50-200		4/6/23 12:42
M3PFBS	92.8	50-200		4/6/23 12:42
M7PFUnA	98.0	50-200		4/6/23 12:42
M2-6:2FTS	111	50-200		4/6/23 12:42
M5PFPeA	104	50-200		4/6/23 12:42
M5PFHxA	103	50-200		4/6/23 12:42
M3PFHxS	91.4	50-200		4/6/23 12:42
M4PFHpA	99.1	50-200		4/6/23 12:42
M8PFOA	111	50-200		4/6/23 12:42
M8PFOS	104	50-200		4/6/23 12:42
M9PFNA	114	50-200		4/6/23 12:42
MPFDoA	82.1	50-200		4/6/23 12:42

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Project Location: New Windsor, NY Sample Description: Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-POST-GAC MS/MSD Sampled: 3/17/2023 10:01

Sample ID: 23C2115-04

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.6	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 12:49	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	64.9	50-200		4/6/23 12:49
M2-8:2FTS	133	50-200		4/6/23 12:49
MPFBA	100	50-200		4/6/23 12:49
M3HFPO-DA	88.5	50-200		4/6/23 12:49
M6PFDA	111	50-200		4/6/23 12:49
M3PFBS	97.0	50-200		4/6/23 12:49
M7PFUnA	92.8	50-200		4/6/23 12:49
M2-6:2FTS	108	50-200		4/6/23 12:49
M5PFPeA	97.1	50-200		4/6/23 12:49
M5PFHxA	97.0	50-200		4/6/23 12:49
M3PFHxS	94.0	50-200		4/6/23 12:49
M4PFHpA	98.6	50-200		4/6/23 12:49
M8PFOA	104	50-200		4/6/23 12:49
M8PFOS	104	50-200		4/6/23 12:49
M9PFNA	110	50-200		4/6/23 12:49
MPFDoA	83.1	50-200		4/6/23 12:49

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-1N-25 | Sampled: 3/17/2023 10:12

Sample ID: 23C2115-05

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.3	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluoropentanoic acid (PFPeA)	3.9	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 12:56	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	70.2	50-200		4/6/23 12:56
M2-8:2FTS	126	50-200		4/6/23 12:56
MPFBA	105	50-200		4/6/23 12:56
M3HFPO-DA	95.9	50-200		4/6/23 12:56
M6PFDA	107	50-200		4/6/23 12:56
M3PFBS	103	50-200		4/6/23 12:56
M7PFUnA	85.3	50-200		4/6/23 12:56
M2-6:2FTS	176	50-200		4/6/23 12:56
M5PFPeA	105	50-200		4/6/23 12:56
M5PFHxA	96.4	50-200		4/6/23 12:56
M3PFHxS	103	50-200		4/6/23 12:56
M4PFHpA	96.9	50-200		4/6/23 12:56
M8PFOA	108	50-200		4/6/23 12:56
M8PFOS	105	50-200		4/6/23 12:56
M9PFNA	112	50-200		4/6/23 12:56
MPFDoA	80.9	50-200		4/6/23 12:56

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-1N-50 | Sampled: 3/17/2023 10:14

Sample ID: 23C2115-06

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.8	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluoropentanoic acid (PFPeA)	2.0	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:04	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	70.2	50-200		4/6/23 13:04
M2-8:2FTS	130	50-200		4/6/23 13:04
MPFBA	95.6	50-200		4/6/23 13:04
M3HFPO-DA	86.2	50-200		4/6/23 13:04
M6PFDA	102	50-200		4/6/23 13:04
M3PFBS	93.3	50-200		4/6/23 13:04
M7PFUnA	86.0	50-200		4/6/23 13:04
M2-6:2FTS	116	50-200		4/6/23 13:04
M5PFPeA	93.9	50-200		4/6/23 13:04
M5PFHxA	88.9	50-200		4/6/23 13:04
M3PFHxS	89.0	50-200		4/6/23 13:04
M4PFHpA	93.4	50-200		4/6/23 13:04
M8PFOA	98.3	50-200		4/6/23 13:04
M8PFOS	101	50-200		4/6/23 13:04
M9PFNA	106	50-200		4/6/23 13:04
MPFDoA	75.8	50-200		4/6/23 13:04

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-1N-75 | Sampled: 3/17/2023 10:15

Sample ID: 23C2115-07

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	1.8	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:11	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	71.1	50-200		4/6/23 13:11
M2-8:2FTS	108	50-200		4/6/23 13:11
MPFBA	110	50-200		4/6/23 13:11
M3HFPO-DA	107	50-200		4/6/23 13:11
M6PFDA	108	50-200		4/6/23 13:11
M3PFBS	103	50-200		4/6/23 13:11
M7PFUnA	82.4	50-200		4/6/23 13:11
M2-6:2FTS	118	50-200		4/6/23 13:11
M5PFPeA	107	50-200		4/6/23 13:11
M5PFHxA	105	50-200		4/6/23 13:11
M3PFHxS	98.6	50-200		4/6/23 13:11
M4PFHpA	104	50-200		4/6/23 13:11
M8PFOA	108	50-200		4/6/23 13:11
M8PFOS	93.7	50-200		4/6/23 13:11
M9PFNA	114	50-200		4/6/23 13:11
MPFDoA	69.9	50-200		4/6/23 13:11

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-1POST | Sampled: 3/17/2023 10:16

Sample ID: 23C2115-08

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	3.1	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 13:18	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	63.6	50-200		4/6/23 13:18
M2-8:2FTS	123	50-200		4/6/23 13:18
MPFBA	94.0	50-200		4/6/23 13:18
M3HFPO-DA	84.8	50-200		4/6/23 13:18
M6PFDA	101	50-200		4/6/23 13:18
M3PFBS	92.8	50-200		4/6/23 13:18
M7PFUnA	74.2	50-200		4/6/23 13:18
M2-6:2FTS	120	50-200		4/6/23 13:18
M5PFPeA	91.8	50-200		4/6/23 13:18
M5PFHxA	90.8	50-200		4/6/23 13:18
M3PFHxS	89.7	50-200		4/6/23 13:18
M4PFHpA	91.7	50-200		4/6/23 13:18
M8PFOA	96.0	50-200		4/6/23 13:18
M8PFOS	94.5	50-200		4/6/23 13:18
M9PFNA	104	50-200		4/6/23 13:18
MPFDoA	73.2	50-200		4/6/23 13:18

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-1S-25 | Sampled: 3/17/2023 10:19

Sample ID: 23C2115-09

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.3	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluorobutanesulfonic acid (PFBS)	2.8	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluoropentanoic acid (PFPeA)	6.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluorohexanoic acid (PFHxA)	3.2	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluorohexanesulfonic acid (PFHxS)	4.7	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluoroheptanoic acid (PFHpA)	2.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluorooctanoic acid (PFOA)	3.5	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluorooctanesulfonic acid (PFOS)	9.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:25	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	74.0	50-200		4/6/23 13:25
M2-8:2FTS	126	50-200		4/6/23 13:25
MPFBA	102	50-200		4/6/23 13:25
M3HFPO-DA	79.1	50-200		4/6/23 13:25
M6PFDA	105	50-200		4/6/23 13:25
M3PFBS	93.5	50-200		4/6/23 13:25
M7PFUnA	94.0	50-200		4/6/23 13:25
M2-6:2FTS	132	50-200		4/6/23 13:25
M5PFPeA	105	50-200		4/6/23 13:25
M5PFHxA	91.3	50-200		4/6/23 13:25
M3PFHxS	96.4	50-200		4/6/23 13:25
M4PFHpA	91.8	50-200		4/6/23 13:25
M8PFOA	103	50-200		4/6/23 13:25
M8PFOS	97.1	50-200		4/6/23 13:25
M9PFNA	105	50-200		4/6/23 13:25
MPFDoA	75.0	50-200		4/6/23 13:25

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-1S-50 | Sampled: 3/17/2023 10:20

Sample ID: 23C2115-10

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.5	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluorobutanesulfonic acid (PFBS)	2.5	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluoropentanoic acid (PFPeA)	5.8	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluorohexanoic acid (PFHxA)	3.3	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluorohexanesulfonic acid (PFHxS)	2.9	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluorooctanoic acid (PFOA)	2.8	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluorooctanesulfonic acid (PFOS)	2.6	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 13:32	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	88.6	50-200		4/6/23 13:32
M2-8:2FTS	165	50-200		4/6/23 13:32
MPFBA	99.5	50-200		4/6/23 13:32
M3HFPO-DA	84.1	50-200		4/6/23 13:32
M6PFDA	106	50-200		4/6/23 13:32
M3PFBS	93.2	50-200		4/6/23 13:32
M7PFUnA	91.6	50-200		4/6/23 13:32
M2-6:2FTS	154	50-200		4/6/23 13:32
M5PFPeA	102	50-200		4/6/23 13:32
M5PFHxA	93.1	50-200		4/6/23 13:32
M3PFHxS	96.6	50-200		4/6/23 13:32
M4PFHpA	92.6	50-200		4/6/23 13:32
M8PFOA	104	50-200		4/6/23 13:32
M8PFOS	100	50-200		4/6/23 13:32
M9PFNA	109	50-200		4/6/23 13:32
MPFDoA	78.2	50-200		4/6/23 13:32

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-1S-75 | Sampled: 3/17/2023 10:21

Sample ID: 23C2115-11

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.9	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluoropentanoic acid (PFPeA)	5.8	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluorohexanoic acid (PFHxA)	2.7	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluorohexanesulfonic acid (PFHxS)	2.1	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:47	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	149	50-200		4/6/23 13:47
M2-8:2FTS	168	50-200		4/6/23 13:47
MPFBA	104	50-200		4/6/23 13:47
M3HFPO-DA	82.9	50-200		4/6/23 13:47
M6PFDA	115	50-200		4/6/23 13:47
M3PFBS	97.0	50-200		4/6/23 13:47
M7PFUnA	85.7	50-200		4/6/23 13:47
M2-6:2FTS	192	50-200		4/6/23 13:47
M5PFPeA	106	50-200		4/6/23 13:47
M5PFHxA	95.1	50-200		4/6/23 13:47
M3PFHxS	97.1	50-200		4/6/23 13:47
M4PFHpA	95.7	50-200		4/6/23 13:47
M8PFOA	109	50-200		4/6/23 13:47
M8PFOS	104	50-200		4/6/23 13:47
M9PFNA	114	50-200		4/6/23 13:47
MPFDoA	77.4	50-200		4/6/23 13:47

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-1 MID | Sampled: 3/17/2023 10:22

Sample ID: 23C2115-12

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.5	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluoropentanoic acid (PFPeA)	5.8	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluorohexanoic acid (PFHxA)	2.7	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluorohexanesulfonic acid (PFHxS)	2.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 13:54	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	67.0	50-200		4/6/23 13:54
M2-8:2FTS	127	50-200		4/6/23 13:54
MPFBA	102	50-200		4/6/23 13:54
M3HFPO-DA	92.7	50-200		4/6/23 13:54
M6PFDA	108	50-200		4/6/23 13:54
M3PFBS	89.2	50-200		4/6/23 13:54
M7PFUnA	90.4	50-200		4/6/23 13:54
M2-6:2FTS	134	50-200		4/6/23 13:54
M5PFPeA	103	50-200		4/6/23 13:54
M5PFHxA	94.4	50-200		4/6/23 13:54
M3PFHxS	88.0	50-200		4/6/23 13:54
M4PFHpA	95.8	50-200		4/6/23 13:54
M8PFOA	105	50-200		4/6/23 13:54
M8PFOS	102	50-200		4/6/23 13:54
M9PFNA	105	50-200		4/6/23 13:54
MPFDoA	78.2	50-200		4/6/23 13:54

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-2N-25 | Sampled: 3/17/2023 10:26

Sample ID: 23C2115-13

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.4	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluoropentanoic acid (PFPeA)	5.2	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:01	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	84.2	50-200		4/6/23 14:01
M2-8:2FTS	164	50-200		4/6/23 14:01
MPFBA	103	50-200		4/6/23 14:01
M3HFPO-DA	88.8	50-200		4/6/23 14:01
M6PFDA	106	50-200		4/6/23 14:01
M3PFBS	99.5	50-200		4/6/23 14:01
M7PFUnA	89.0	50-200		4/6/23 14:01
M2-6:2FTS	164	50-200		4/6/23 14:01
M5PFPeA	104	50-200		4/6/23 14:01
M5PFHxA	99.0	50-200		4/6/23 14:01
M3PFHxS	94.0	50-200		4/6/23 14:01
M4PFHpA	97.3	50-200		4/6/23 14:01
M8PFOA	108	50-200		4/6/23 14:01
M8PFOS	92.0	50-200		4/6/23 14:01
M9PFNA	113	50-200		4/6/23 14:01
MPFDoA	82.9	50-200		4/6/23 14:01

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-2N-50 | Sampled: 3/17/2023 10:27

Sample ID: 23C2115-14

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.3	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluoropentanoic acid (PFPeA)	3.6	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:08	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	83.0	50-200		4/6/23 14:08
M2-8:2FTS	176	50-200		4/6/23 14:08
MPFBA	103	50-200		4/6/23 14:08
M3HFPO-DA	86.1	50-200		4/6/23 14:08
M6PFDA	98.0	50-200		4/6/23 14:08
M3PFBS	96.1	50-200		4/6/23 14:08
M7PFUnA	84.6	50-200		4/6/23 14:08
M2-6:2FTS	158	50-200		4/6/23 14:08
M5PFPeA	98.2	50-200		4/6/23 14:08
M5PFHxA	98.6	50-200		4/6/23 14:08
M3PFHxS	92.0	50-200		4/6/23 14:08
M4PFHpA	97.0	50-200		4/6/23 14:08
M8PFOA	102	50-200		4/6/23 14:08
M8PFOS	90.0	50-200		4/6/23 14:08
M9PFNA	103	50-200		4/6/23 14:08
MPFDoA	75.1	50-200		4/6/23 14:08

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-2N-75 | Sampled: 3/17/2023 10:28

Sample ID: 23C2115-15

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.7	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:16	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	82.6	50-200		4/6/23 14:16
M2-8:2FTS	140	50-200		4/6/23 14:16
MPFBA	118	50-200		4/6/23 14:16
M3HFPO-DA	111	50-200		4/6/23 14:16
M6PFDA	128	50-200		4/6/23 14:16
M3PFBS	112	50-200		4/6/23 14:16
M7PFUnA	97.6	50-200		4/6/23 14:16
M2-6:2FTS	130	50-200		4/6/23 14:16
M5PFPeA	112	50-200		4/6/23 14:16
M5PFHxA	117	50-200		4/6/23 14:16
M3PFHxS	108	50-200		4/6/23 14:16
M4PFHpA	117	50-200		4/6/23 14:16
M8PFOA	120	50-200		4/6/23 14:16
M8PFOS	112	50-200		4/6/23 14:16
M9PFNA	124	50-200		4/6/23 14:16
MPFDoA	94.0	50-200		4/6/23 14:16

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-2 POST | Sampled: 3/17/2023 10:29

Sample ID: 23C2115-16

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.4	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	3/31/23	4/6/23 14:23	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	68.2	50-200		4/6/23 14:23
M2-8:2FTS	130	50-200		4/6/23 14:23
MPFBA	100	50-200		4/6/23 14:23
M3HFPO-DA	93.7	50-200		4/6/23 14:23
M6PFDA	101	50-200		4/6/23 14:23
M3PFBS	99.9	50-200		4/6/23 14:23
M7PFUnA	82.8	50-200		4/6/23 14:23
M2-6:2FTS	114	50-200		4/6/23 14:23
M5PFPeA	96.0	50-200		4/6/23 14:23
M5PFHxA	97.8	50-200		4/6/23 14:23
M3PFHxS	94.3	50-200		4/6/23 14:23
M4PFHpA	95.7	50-200		4/6/23 14:23
M8PFOA	95.0	50-200		4/6/23 14:23
M8PFOS	103	50-200		4/6/23 14:23
M9PFNA	108	50-200		4/6/23 14:23
MPFDoA	78.7	50-200		4/6/23 14:23

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-2S-25 | Sampled: 3/17/2023 10:34

Sample ID: 23C2115-17

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.1	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluorobutanesulfonic acid (PFBS)	2.9	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluoropentanoic acid (PFPeA)	6.1	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluorohexanoic acid (PFHxA)	3.7	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluorohexanesulfonic acid (PFHxS)	4.3	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluoroheptanoic acid (PFHpA)	2.1	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluorooctanoic acid (PFOA)	3.8	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluorooctanesulfonic acid (PFOS)	4.4	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L	1		EPA 533	3/31/23	4/6/23 14:30	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	101	50-200		4/6/23 14:30
M2-8:2FTS	164	50-200		4/6/23 14:30
MPFBA	105	50-200		4/6/23 14:30
M3HFPO-DA	89.6	50-200		4/6/23 14:30
M6PFDA	106	50-200		4/6/23 14:30
M3PFBS	99.4	50-200		4/6/23 14:30
M7PFUnA	81.9	50-200		4/6/23 14:30
M2-6:2FTS	181	50-200		4/6/23 14:30
M5PFPeA	113	50-200		4/6/23 14:30
M5PFHxA	99.8	50-200		4/6/23 14:30
M3PFHxS	96.5	50-200		4/6/23 14:30
M4PFHpA	99.3	50-200		4/6/23 14:30
M8PFOA	106	50-200		4/6/23 14:30
M8PFOS	101	50-200		4/6/23 14:30
M9PFNA	104	50-200		4/6/23 14:30
MPFDoA	76.9	50-200		4/6/23 14:30

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-2S-50 | Sampled: 3/17/2023 10:36

Sample ID: 23C2115-18

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.1	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluorobutanesulfonic acid (PFBS)	2.6	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluoropentanoic acid (PFPeA)	6.6	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluorohexanoic acid (PFHxA)	3.3	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluorohexanesulfonic acid (PFHxS)	3.2	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluoroheptanoic acid (PFHpA)	2.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluorooctanoic acid (PFOA)	3.2	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluorooctanesulfonic acid (PFOS)	2.0	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/31/23	4/6/23 14:37	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	77.8	50-200		4/6/23 14:37
M2-8:2FTS	134	50-200		4/6/23 14:37
MPFBA	102	50-200		4/6/23 14:37
M3HFPO-DA	99.8	50-200		4/6/23 14:37
M6PFDA	101	50-200		4/6/23 14:37
M3PFBS	91.6	50-200		4/6/23 14:37
M7PFUnA	84.2	50-200		4/6/23 14:37
M2-6:2FTS	134	50-200		4/6/23 14:37
M5PFPeA	104	50-200		4/6/23 14:37
M5PFHxA	95.2	50-200		4/6/23 14:37
M3PFHxS	87.8	50-200		4/6/23 14:37
M4PFHpA	91.1	50-200		4/6/23 14:37
M8PFOA	101	50-200		4/6/23 14:37
M8PFOS	91.8	50-200		4/6/23 14:37
M9PFNA	104	50-200		4/6/23 14:37
MPFDoA	77.1	50-200		4/6/23 14:37

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-2S-75 | Sampled: 3/17/2023 10:38

Sample ID: 23C2115-19

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.1	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluoropentanoic acid (PFPeA)	5.1	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluorohexanoic acid (PFHxA)	2.5	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:44	QNW

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	129		50-200		4/6/23 14:44
M2-8:2FTS	190		50-200		4/6/23 14:44
MPFBA	113		50-200		4/6/23 14:44
M3HFPO-DA	101		50-200		4/6/23 14:44
M6PFDA	114		50-200		4/6/23 14:44
M3PFBS	107		50-200		4/6/23 14:44
M7PFUnA	92.0		50-200		4/6/23 14:44
M2-6:2FTS	**209**	*	50-200	PF-17	4/6/23 14:44
M5PFPeA	117		50-200		4/6/23 14:44
M5PFHxA	108		50-200		4/6/23 14:44
M3PFHxS	105		50-200		4/6/23 14:44
M4PFHpA	105		50-200		4/6/23 14:44
M8PFOA	120		50-200		4/6/23 14:44
M8PFOS	101		50-200		4/6/23 14:44
M9PFNA	120		50-200		4/6/23 14:44
MPFDoA	77.6		50-200		4/6/23 14:44

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-2 MID | Sampled: 3/17/2023 10:39

Sample ID: 23C2115-20

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.3	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluoropentanoic acid (PFPeA)	5.4	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluorohexanoic acid (PFHxA)	2.4	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluorooctanoic acid (PFOA)	1.8	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/31/23	4/6/23 14:52	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	108	50-200		4/6/23 14:52
M2-8:2FTS	148	50-200		4/6/23 14:52
MPFBA	105	50-200		4/6/23 14:52
M3HFPO-DA	92.4	50-200		4/6/23 14:52
M6PFDA	98.2	50-200		4/6/23 14:52
M3PFBS	89.2	50-200		4/6/23 14:52
M7PFUnA	78.4	50-200		4/6/23 14:52
M2-6:2FTS	150	50-200		4/6/23 14:52
M5PFPeA	108	50-200		4/6/23 14:52
M5PFHxA	97.4	50-200		4/6/23 14:52
M3PFHxS	82.3	50-200		4/6/23 14:52
M4PFHpA	91.2	50-200		4/6/23 14:52
M8PFOA	96.7	50-200		4/6/23 14:52
M8PFOS	80.8	50-200		4/6/23 14:52
M9PFNA	101	50-200		4/6/23 14:52
MPFDoA	69.5	50-200		4/6/23 14:52

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-3N-25 | Sampled: 3/17/2023 10:40

Sample ID: 23C2115-21

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.1	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluoropentanoic acid (PFPeA)	4.4	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluorohexanoic acid (PFHxA)	2.0	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:34	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	64.0	50-200		3/29/23 16:34
M2-8:2FTS	81.7	50-200		3/29/23 16:34
MPFBA	97.8	50-200		3/29/23 16:34
M3HFPO-DA	74.9	50-200		3/29/23 16:34
M6PFDA	70.4	50-200		3/29/23 16:34
M3PFBS	97.3	50-200		3/29/23 16:34
M7PFUnA	69.2	50-200		3/29/23 16:34
M2-6:2FTS	75.0	50-200		3/29/23 16:34
M5PFPeA	98.2	50-200		3/29/23 16:34
M5PFHxA	82.7	50-200		3/29/23 16:34
M3PFHxS	104	50-200		3/29/23 16:34
M4PFHpA	76.4	50-200		3/29/23 16:34
M8PFOA	74.1	50-200		3/29/23 16:34
M8PFOS	105	50-200		3/29/23 16:34
M9PFNA	69.2	50-200		3/29/23 16:34
MPFDoA	76.4	50-200		3/29/23 16:34

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-3N-50 | Sampled: 3/17/2023 10:41

Sample ID: 23C2115-22

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.2	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluoropentanoic acid (PFPeA)	2.2	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 16:41	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	61.2	50-200		3/29/23 16:41
M2-8:2FTS	74.3	50-200		3/29/23 16:41
MPFBA	89.2	50-200		3/29/23 16:41
M3HFPO-DA	59.1	50-200		3/29/23 16:41
M6PFDA	66.9	50-200		3/29/23 16:41
M3PFBS	101	50-200		3/29/23 16:41
M7PFUnA	65.7	50-200		3/29/23 16:41
M2-6:2FTS	70.8	50-200		3/29/23 16:41
M5PFPeA	83.1	50-200		3/29/23 16:41
M5PFHxA	67.9	50-200		3/29/23 16:41
M3PFHxS	101	50-200		3/29/23 16:41
M4PFHpA	62.2	50-200		3/29/23 16:41
M8PFOA	55.9	50-200		3/29/23 16:41
M8PFOS	103	50-200		3/29/23 16:41
M9PFNA	60.1	50-200		3/29/23 16:41
MPFDoA	77.4	50-200		3/29/23 16:41

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-3N-75 | Sampled: 3/17/2023 10:42

Sample ID: 23C2115-23

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 16:48	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	58.9	50-200		3/29/23 16:48
M2-8:2FTS	63.4	50-200		3/29/23 16:48
MPFBA	73.5	50-200		3/29/23 16:48
M3HFPO-DA	57.6	50-200		3/29/23 16:48
M6PFDA	52.6	50-200		3/29/23 16:48
M3PFBS	94.7	50-200		3/29/23 16:48
M7PFUnA	53.6	50-200		3/29/23 16:48
M2-6:2FTS	65.0	50-200		3/29/23 16:48
M5PFPeA	68.0	50-200		3/29/23 16:48
M5PFHxA	61.4	50-200		3/29/23 16:48
M3PFHxS	97.5	50-200		3/29/23 16:48
M4PFHpA	55.3	50-200		3/29/23 16:48
M8PFOA	51.5	50-200		3/29/23 16:48
M8PFOS	91.8	50-200		3/29/23 16:48
M9PFNA	54.6	50-200		3/29/23 16:48
MPFDoA	61.9	50-200		3/29/23 16:48

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-3 POST | Sampled: 3/17/2023 10:45

Sample ID: 23C2115-24

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	2.8	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	4.1	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	4/3/23	4/4/23 20:07	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	69.4	50-200		4/4/23 20:07
M2-8:2FTS	99.6	50-200		4/4/23 20:07
MPFBA	91.9	50-200		4/4/23 20:07
M3HFPO-DA	78.7	50-200		4/4/23 20:07
M6PFDA	116	50-200		4/4/23 20:07
M3PFBS	118	50-200		4/4/23 20:07
M7PFUnA	95.4	50-200		4/4/23 20:07
M2-6:2FTS	105	50-200		4/4/23 20:07
M5PFPeA	84.8	50-200		4/4/23 20:07
M5PFHxA	91.2	50-200		4/4/23 20:07
M3PFHxS	99.1	50-200		4/4/23 20:07
M4PFHpA	89.1	50-200		4/4/23 20:07
M8PFOA	94.6	50-200		4/4/23 20:07
M8PFOS	110	50-200		4/4/23 20:07
M9PFNA	114	50-200		4/4/23 20:07
MPFDoA	88.9	50-200		4/4/23 20:07

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-3S-25 | Sampled: 3/17/2023 10:47

Sample ID: 23C2115-25

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.9	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluorobutanesulfonic acid (PFBS)	2.6	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluoropentanoic acid (PFPeA)	4.9	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluorohexanoic acid (PFHxA)	3.1	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluorohexanesulfonic acid (PFHxS)	4.0	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluoroheptanoic acid (PFHpA)	2.0	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluorooctanoic acid (PFOA)	3.7	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluorooctanesulfonic acid (PFOS)	3.4	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:03	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	89.1	50-200		3/29/23 17:03
M2-8:2FTS	98.7	50-200		3/29/23 17:03
MPFBA	104	50-200		3/29/23 17:03
M3HFPO-DA	90.7	50-200		3/29/23 17:03
M6PFDA	96.7	50-200		3/29/23 17:03
M3PFBS	105	50-200		3/29/23 17:03
M7PFUnA	91.8	50-200		3/29/23 17:03
M2-6:2FTS	131	50-200		3/29/23 17:03
M5PFPeA	115	50-200		3/29/23 17:03
M5PFHxA	93.0	50-200		3/29/23 17:03
M3PFHxS	111	50-200		3/29/23 17:03
M4PFHpA	91.2	50-200		3/29/23 17:03
M8PFOA	103	50-200		3/29/23 17:03
M8PFOS	109	50-200		3/29/23 17:03
M9PFNA	95.1	50-200		3/29/23 17:03
MPFDoA	98.3	50-200		3/29/23 17:03

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-3S-50 | Sampled: 3/17/2023 10:48

Sample ID: 23C2115-26

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.3	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluorobutanesulfonic acid (PFBS)	2.3	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluoropentanoic acid (PFPeA)	5.0	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluorohexanoic acid (PFHxA)	2.8	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluorohexanesulfonic acid (PFHxS)	3.1	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluorooctanoic acid (PFOA)	2.8	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluorooctanesulfonic acid (PFOS)	2.3	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:10	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	74.1	50-200		3/29/23 17:10
M2-8:2FTS	77.8	50-200		3/29/23 17:10
MPFBA	98.9	50-200		3/29/23 17:10
M3HFPO-DA	76.5	50-200		3/29/23 17:10
M6PFDA	89.7	50-200		3/29/23 17:10
M3PFBS	98.8	50-200		3/29/23 17:10
M7PFUnA	78.4	50-200		3/29/23 17:10
M2-6:2FTS	86.4	50-200		3/29/23 17:10
M5PFPeA	107	50-200		3/29/23 17:10
M5PFHxA	87.3	50-200		3/29/23 17:10
M3PFHxS	99.8	50-200		3/29/23 17:10
M4PFHpA	82.1	50-200		3/29/23 17:10
M8PFOA	83.1	50-200		3/29/23 17:10
M8PFOS	97.6	50-200		3/29/23 17:10
M9PFNA	81.9	50-200		3/29/23 17:10
MPFDoA	85.5	50-200		3/29/23 17:10

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

Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-3S-75 | Sampled: 3/17/2023 10:49

Sample ID: 23C2115-27

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.5	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluorobutanesulfonic acid (PFBS)	1.9	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluoropentanoic acid (PFPeA)	4.6	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluorohexanoic acid (PFHxA)	2.7	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluorooctanoic acid (PFOA)	1.9	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	3/21/23	3/29/23 17:17	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	64.0	50-200		3/29/23 17:17
M2-8:2FTS	76.7	50-200		3/29/23 17:17
MPFBA	91.8	50-200		3/29/23 17:17
M3HFPO-DA	79.7	50-200		3/29/23 17:17
M6PFDA	63.4	50-200		3/29/23 17:17
M3PFBS	94.6	50-200		3/29/23 17:17
M7PFUnA	62.6	50-200		3/29/23 17:17
M2-6:2FTS	82.7	50-200		3/29/23 17:17
M5PFPeA	95.2	50-200		3/29/23 17:17
M5PFHxA	73.3	50-200		3/29/23 17:17
M3PFHxS	98.3	50-200		3/29/23 17:17
M4PFHpA	68.1	50-200		3/29/23 17:17
M8PFOA	70.0	50-200		3/29/23 17:17
M8PFOS	101	50-200		3/29/23 17:17
M9PFNA	65.2	50-200		3/29/23 17:17
MPFDoA	67.0	50-200		3/29/23 17:17

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-3 MID | Sampled: 3/17/2023 10:51

Sample ID: 23C2115-28

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	7.1	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluoropentanoic acid (PFPeA)	5.7	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluorohexanoic acid (PFHxA)	2.8	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluorohexanesulfonic acid (PFHxS)	1.8	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	2.0	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	4/3/23	4/4/23 20:15	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	82.6	50-200		4/4/23 20:15
M2-8:2FTS	117	50-200		4/4/23 20:15
MPFBA	104	50-200		4/4/23 20:15
M3HFPO-DA	91.7	50-200		4/4/23 20:15
M6PFDA	101	50-200		4/4/23 20:15
M3PFBS	110	50-200		4/4/23 20:15
M7PFUnA	89.8	50-200		4/4/23 20:15
M2-6:2FTS	131	50-200		4/4/23 20:15
M5PFPeA	105	50-200		4/4/23 20:15
M5PFHxA	98.9	50-200		4/4/23 20:15
M3PFHxS	96.0	50-200		4/4/23 20:15
M4PFHpA	94.2	50-200		4/4/23 20:15
M8PFOA	102	50-200		4/4/23 20:15
M8PFOS	95.0	50-200		4/4/23 20:15
M9PFNA	114	50-200		4/4/23 20:15
MPFDoA	76.4	50-200		4/4/23 20:15

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-1 RAW | Sampled: 3/17/2023 11:14

Sample ID: 23C2115-29

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	8.6	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluorobutanesulfonic acid (PFBS)	5.2	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluoropentanoic acid (PFPeA)	2.0	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluorohexanesulfonic acid (PFHxS)	4.9	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluorooctanoic acid (PFOA)	4.3	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluorooctanesulfonic acid (PFOS)	5.6	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:32	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	71.8	50-200		3/29/23 17:32
M2-8:2FTS	89.3	50-200		3/29/23 17:32
MPFBA	88.3	50-200		3/29/23 17:32
M3HFPO-DA	79.1	50-200		3/29/23 17:32
M6PFDA	89.7	50-200		3/29/23 17:32
M3PFBS	85.5	50-200		3/29/23 17:32
M7PFUnA	80.8	50-200		3/29/23 17:32
M2-6:2FTS	94.3	50-200		3/29/23 17:32
M5PFPeA	96.1	50-200		3/29/23 17:32
M5PFHxA	80.1	50-200		3/29/23 17:32
M3PFHxS	89.9	50-200		3/29/23 17:32
M4PFHpA	79.1	50-200		3/29/23 17:32
M8PFOA	89.9	50-200		3/29/23 17:32
M8PFOS	94.1	50-200		3/29/23 17:32
M9PFNA	90.0	50-200		3/29/23 17:32
MPFDoA	80.0	50-200		3/29/23 17:32

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-2 RAW | Sampled: 3/17/2023 11:06

Sample ID: 23C2115-30

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	6.6	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluorobutanesulfonic acid (PFBS)	3.2	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluoropentanoic acid (PFPeA)	4.6	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluorohexanoic acid (PFHxA)	3.2	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluorohexanesulfonic acid (PFHxS)	5.3	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluoroheptanoic acid (PFHpA)	2.2	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluorooctanoic acid (PFOA)	4.3	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluorooctanesulfonic acid (PFOS)	5.0	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L	1		EPA 533	3/21/23	3/29/23 17:39	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	69.2	50-200		3/29/23 17:39
M2-8:2FTS	73.9	50-200		3/29/23 17:39
MPFBA	89.6	50-200		3/29/23 17:39
M3HFPO-DA	78.2	50-200		3/29/23 17:39
M6PFDA	81.0	50-200		3/29/23 17:39
M3PFBS	85.5	50-200		3/29/23 17:39
M7PFUnA	69.7	50-200		3/29/23 17:39
M2-6:2FTS	84.9	50-200		3/29/23 17:39
M5PFPeA	100	50-200		3/29/23 17:39
M5PFHxA	77.3	50-200		3/29/23 17:39
M3PFHxS	91.3	50-200		3/29/23 17:39
M4PFHpA	75.9	50-200		3/29/23 17:39
M8PFOA	77.8	50-200		3/29/23 17:39
M8PFOS	89.8	50-200		3/29/23 17:39
M9PFNA	79.3	50-200		3/29/23 17:39
MPFDoA	79.8	50-200		3/29/23 17:39

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Project Location: New Windsor, NY | Sample Description: | Work Order: 23C2115

Date Received: 3/18/2023

Field Sample #: BH20230317-3 RAW | Sampled: 3/17/2023 11:25

Sample ID: 23C2115-31

Sample Matrix: Drinking Water

Semivolatile Organic Compounds by - LC/MS-MS

Analyte	Results	RL	MCL/SMCL MA ORSG	Units	DF	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Perfluorobutanoic acid (PFBA)	4.0	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluorobutanesulfonic acid (PFBS)	2.4	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluoropentanoic acid (PFPeA)	5.6	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluorohexanoic acid (PFHxA)	4.6	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluorohexanesulfonic acid (PFHxS)	5.2	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluoroheptanoic acid (PFHpA)	2.6	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluorooctanoic acid (PFOA)	3.8	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluorooctanesulfonic acid (PFOS)	5.8	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	3/21/23	3/29/23 17:53	QNW

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	96.3	50-200		3/29/23 17:53
M2-8:2FTS	106	50-200		3/29/23 17:53
MPFBA	103	50-200		3/29/23 17:53
M3HFPO-DA	79.1	50-200		3/29/23 17:53
M6PFDA	93.5	50-200		3/29/23 17:53
M3PFBS	98.8	50-200		3/29/23 17:53
M7PFUnA	82.1	50-200		3/29/23 17:53
M2-6:2FTS	111	50-200		3/29/23 17:53
M5PFPeA	123	50-200		3/29/23 17:53
M5PFHxA	86.6	50-200		3/29/23 17:53
M3PFHxS	101	50-200		3/29/23 17:53
M4PFHpA	84.5	50-200		3/29/23 17:53
M8PFOA	93.9	50-200		3/29/23 17:53
M8PFOS	108	50-200		3/29/23 17:53
M9PFNA	92.9	50-200		3/29/23 17:53
MPFDoA	93.5	50-200		3/29/23 17:53

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Sample Extraction Data

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2115-01 [BH20230317-PRE-GAC]	B334733	265	1.00	03/31/23
23C2115-02 [BH20230317-POST-GAC]	B334733	271	1.00	03/31/23
23C2115-03 [BH20230317-POST-GAC DUP]	B334733	264	1.00	03/31/23
23C2115-04 [BH20230317-POST-GAC MS/MSD]	B334733	271	1.00	03/31/23
23C2115-05 [BH20230317-1N-25]	B334733	259	1.00	03/31/23
23C2115-06 [BH20230317-1N-50]	B334733	273	1.00	03/31/23
23C2115-07 [BH20230317-1N-75]	B334733	277	1.00	03/31/23
23C2115-08 [BH20230317-1POST]	B334733	277	1.00	03/31/23
23C2115-09 [BH20230317-1S-25]	B334733	261	1.00	03/31/23
23C2115-10 [BH20230317-1S-50]	B334733	256	1.00	03/31/23
23C2115-11 [BH20230317-1S-75]	B334733	265	1.00	03/31/23
23C2115-12 [BH20230317-1 MID]	B334733	268	1.00	03/31/23
23C2115-13 [BH20230317-2N-25]	B334733	260	1.00	03/31/23
23C2115-14 [BH20230317-2N-50]	B334733	268	1.00	03/31/23
23C2115-15 [BH20230317-2N-75]	B334733	271	1.00	03/31/23
23C2115-16 [BH20230317-2 POST]	B334733	254	1.00	03/31/23
23C2115-17 [BH20230317-2S-25]	B334733	293	1.00	03/31/23
23C2115-18 [BH20230317-2S-50]	B334733	261	1.00	03/31/23
23C2115-19 [BH20230317-2S-75]	B334733	283	1.00	03/31/23
23C2115-20 [BH20230317-2 MID]	B334733	284	1.00	03/31/23

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2115-21 [BH20230317-3N-25]	B334735	267	1.00	03/21/23
23C2115-22 [BH20230317-3N-50]	B334735	257	1.00	03/21/23
23C2115-23 [BH20230317-3N-75]	B334735	275	1.00	03/21/23
23C2115-25 [BH20230317-3S-25]	B334735	280	1.00	03/21/23
23C2115-26 [BH20230317-3S-50]	B334735	270	1.00	03/21/23
23C2115-27 [BH20230317-3S-75]	B334735	274	1.00	03/21/23
23C2115-29 [BH20230317-1 RAW]	B334735	264	1.00	03/21/23
23C2115-30 [BH20230317-2 RAW]	B334735	291	1.00	03/21/23
23C2115-31 [BH20230317-3 RAW]	B334735	270	1.00	03/21/23

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
23C2115-24RE1 [BH20230317-3 POST]	B335842	260	1.00	04/03/23
23C2115-28RE1 [BH20230317-3 MID]	B335842	283	1.00	04/03/23

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B334733 - EPA 533											
Blank (B334733-BLK1)					Prepared: 03/31/23 Analyzed: 04/06/23						
Perfluorobutanoic acid (PFBA)	ND	2.0		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	2.0		ng/L							
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	2.0		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	2.0		ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L							
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L							
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L							
Surrogate: M2-4:2FTS	*9240*			ng/L	9380		98.5	50-200			
Surrogate: M2-8:2FTS	*9650*			ng/L	9600		100	50-200			
Surrogate: MPFBA	*10400*			ng/L	10000		104	50-200			
Surrogate: M3HFPO-DA	*35.9*			ng/L	39.2		91.6	50-200			
Surrogate: M6PFDA	*10300*			ng/L	10000		103	50-200			
Surrogate: M3PFBS	*8760*			ng/L	9320		94.0	50-200			
Surrogate: M7PFUnA	*8420*			ng/L	10000		84.2	50-200			
Surrogate: M2-6:2FTS	*11900*			ng/L	9510		125	50-200			
Surrogate: M5PFPeA	*9840*			ng/L	10000		98.4	50-200			
Surrogate: M5PFHxA	*9950*			ng/L	10000		99.5	50-200			
Surrogate: M3PFHxS	*8480*			ng/L	9480		89.4	50-200			
Surrogate: M4PFHpA	*9760*			ng/L	10000		97.6	50-200			
Surrogate: M8PFOA	*10200*			ng/L	10000		102	50-200			
Surrogate: M8PFOS	*9440*			ng/L	9590		98.4	50-200			
Surrogate: M9PFNA	*10800*			ng/L	10000		108	50-200			
Surrogate: MPFDoA	*6950*			ng/L	10000		69.5	50-200			
LCS (B334733-BS1)					Prepared: 03/31/23 Analyzed: 04/06/23						
Perfluorobutanoic acid (PFBA)	2.08	1.9		ng/L	1.92		108	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.77	1.9		ng/L	1.70		104	50-150			
Perfluoropentanoic acid (PFPeA)	2.02	1.9		ng/L	1.92		105	50-150			
Perfluorohexanoic acid (PFHxA)	2.04	1.9		ng/L	1.92		106	50-150			
11Cl-PF3OUdS (F53B Major)	1.13	1.9		ng/L	1.81		62.2	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 B334733 - EPA 533											
LCS (B334733-BS1)					Prepared: 03/31/23 Analyzed: 04/06/23						
9Cl-PF3ONS (F53B Minor)	1.35	1.9		ng/L	1.79		75.6	50-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.84	1.9		ng/L	1.81		102	50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.71	1.9		ng/L	1.92		141	50-150			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.68	1.9		ng/L	1.84		90.9	50-150			
Perfluorodecanoic acid (PFDA)	2.30	1.9		ng/L	1.92		120	50-150			
Perfluorododecanoic acid (PFDoA)	2.05	1.9		ng/L	1.92		107	50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.78	1.9		ng/L	1.71		104	50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.80	1.9		ng/L	1.83		98.3	50-150			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.66	1.9		ng/L	1.80		92.3	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.71	1.9		ng/L	1.76		97.0	50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	2.28	1.9		ng/L	1.92		119	50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	2.13	1.9		ng/L	1.92		111	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.97	1.9		ng/L	1.82		108	50-150			
Perfluoropetanesulfonic acid (PFPeS)	1.69	1.9		ng/L	1.81		93.5	50-150			
Perfluoroundecanoic acid (PFUnA)	2.03	1.9		ng/L	1.92		106	50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.38	1.9		ng/L	1.92		124	50-150			
Perfluoroheptanoic acid (PFHpA)	2.08	1.9		ng/L	1.92		108	50-150			
Perfluorooctanoic acid (PFOA)	2.08	1.9		ng/L	1.92		108	50-150			
Perfluorooctanesulfonic acid (PFOS)	2.03	1.9		ng/L	1.78		114	50-150			
Perfluorononanoic acid (PFNA)	2.01	1.9		ng/L	1.92		105	50-150			
Surrogate: M2-4:2FTS	*8220*			ng/L	9380		87.7	50-200			
Surrogate: M2-8:2FTS	*9920*			ng/L	9600		103	50-200			
Surrogate: MPFBA	*10500*			ng/L	10000		105	50-200			
Surrogate: M3HFPO-DA	*34.0*			ng/L	38.4		88.6	50-200			
Surrogate: M6PFDA	*11100*			ng/L	10000		111	50-200			
Surrogate: M3PFBS	*8220*			ng/L	9320		88.2	50-200			
Surrogate: M7PFUnA	*9160*			ng/L	10000		91.6	50-200			
Surrogate: M2-6:2FTS	*10200*			ng/L	9510		107	50-200			
Surrogate: M5PFPeA	*9840*			ng/L	10000		98.4	50-200			
Surrogate: M5PFHxA	*9980*			ng/L	10000		99.8	50-200			
Surrogate: M3PFHxS	*8320*			ng/L	9480		87.8	50-200			
Surrogate: M4PFHpA	*9960*			ng/L	10000		99.6	50-200			
Surrogate: M8PFOA	*10500*			ng/L	10000		105	50-200			
Surrogate: M8PFOS	*9340*			ng/L	9590		97.4	50-200			
Surrogate: M9PFNA	*11200*			ng/L	10000		112	50-200			
Surrogate: MPFDoA	*8030*			ng/L	10000		80.3	50-200			
Matrix Spike (B334733-MS1)		**Source: 23C2115-04**			Prepared: 03/31/23 Analyzed: 04/06/23						
Perfluorobutanoic acid (PFBA)	5.97	1.8		ng/L	1.85	3.58	130	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.66	1.8		ng/L	1.64	ND	101	50-150			
Perfluoropentanoic acid (PFPeA)	2.72	1.8		ng/L	1.85	0.754	106	50-150			
Perfluorohexanoic acid (PFHxA)	2.02	1.8		ng/L	1.85	ND	109	50-150			
11Cl-PF3OUdS (F53B Major)	1.14	1.8		ng/L	1.74	ND	65.3	50-150			
9Cl-PF3ONS (F53B Minor)	1.51	1.8		ng/L	1.72	ND	87.7	50-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.56	1.8		ng/L	1.74	ND	89.5	50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.93	1.8		ng/L	1.85	ND	105	50-150			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.43	1.8		ng/L	1.77	ND	80.4	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 B334733 - EPA 533											
Matrix Spike (B334733-MS1)	**Source: 23C2115-04**				Prepared: 03/31/23 Analyzed: 04/06/23						
Perfluorodecanoic acid (PFDA)	1.82	1.8		ng/L	1.85	ND	98.4	50-150			
Perfluorododecanoic acid (PFDoA)	1.71	1.8		ng/L	1.85	ND	92.5	50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.76	1.8		ng/L	1.64	ND	107	50-150			
Perfluoroheptanesulfonic acid (PFHpS)	2.10	1.8		ng/L	1.76	ND	119	50-150			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.71	1.8		ng/L	1.73	ND	98.9	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.82	1.8		ng/L	1.69	ND	108	50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	2.23	1.8		ng/L	1.85	ND	120	50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	2.07	1.8		ng/L	1.85	ND	112	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.89	1.8		ng/L	1.76	ND	108	50-150			
Perfluoropetanesulfonic acid (PFPeS)	1.54	1.8		ng/L	1.74	ND	88.7	50-150			
Perfluoroundecanoic acid (PFUnA)	2.00	1.8		ng/L	1.85	ND	108	50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.26	1.8		ng/L	1.85	ND	123	50-150			
Perfluoroheptanoic acid (PFHpA)	1.98	1.8		ng/L	1.85	ND	107	50-150			
Perfluorooctanoic acid (PFOA)	1.76	1.8		ng/L	1.85	ND	95.4	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.92	1.8		ng/L	1.71	ND	113	50-150			
Perfluorononanoic acid (PFNA)	1.87	1.8		ng/L	1.85	ND	101	50-150			
Surrogate: M2-4:2FTS	*6800*			ng/L	9380		72.4	50-200			
Surrogate: M2-8:2FTS	*10500*			ng/L	9600		110	50-200			
Surrogate: MPFBA	*9640*			ng/L	10000		96.4	50-200			
Surrogate: M3HFPO-DA	*28.5*			ng/L	37.0		77.2	50-200			
Surrogate: M6PFDA	*10400*			ng/L	10000		104	50-200			
Surrogate: M3PFBS	*8390*			ng/L	9320		90.0	50-200			
Surrogate: M7PFUnA	*8520*			ng/L	10000		85.2	50-200			
Surrogate: M2-6:2FTS	*10700*			ng/L	9510		113	50-200			
Surrogate: M5PFPeA	*9330*			ng/L	10000		93.3	50-200			
Surrogate: M5PFHxA	*9010*			ng/L	10000		90.1	50-200			
Surrogate: M3PFHxS	*8680*			ng/L	9480		91.6	50-200			
Surrogate: M4PFHpA	*9030*			ng/L	10000		90.3	50-200			
Surrogate: M8PFOA	*9440*			ng/L	10000		94.4	50-200			
Surrogate: M8PFOS	*8430*			ng/L	9590		87.9	50-200			
Surrogate: M9PFNA	*9750*			ng/L	10000		97.5	50-200			
Surrogate: MPFDoA	*8210*			ng/L	10000		82.1	50-200			
Matrix Spike Dup (B334733-MSD1)	**Source: 23C2115-04**				Prepared: 03/31/23 Analyzed: 04/06/23						
Perfluorobutanoic acid (PFBA)	5.63	1.9		ng/L	1.91	3.58	107	50-150	5.95	50	
Perfluorobutanesulfonic acid (PFBS)	1.59	1.9		ng/L	1.69	ND	93.9	50-150	4.19	50	
Perfluoropentanoic acid (PFPeA)	2.57	1.9		ng/L	1.91	0.754	95.1	50-150	5.64	50	
Perfluorohexanoic acid (PFHxA)	1.76	1.9		ng/L	1.91	ND	92.1	50-150	13.7	50	
11Cl-PF3OUdS (F53B Major)	1.04	1.9		ng/L	1.80	ND	57.8	50-150	8.87	50	
9Cl-PF3ONS (F53B Minor)	1.49	1.9		ng/L	1.78	ND	83.6	50-150	1.43	50	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.63	1.9		ng/L	1.80	ND	90.3	50-150	4.23	50	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	2.15	1.9		ng/L	1.91	ND	113	50-150	10.7	50	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.76	1.9		ng/L	1.83	ND	95.7	50-150	20.7	50	
Perfluorodecanoic acid (PFDA)	1.76	1.9		ng/L	1.91	ND	91.9	50-150	3.55	50	
Perfluorododecanoic acid (PFDoA)	1.61	1.9		ng/L	1.91	ND	84.3	50-150	5.94	50	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.54	1.9		ng/L	1.70	ND	90.5	50-150	13.7	50	
Perfluoroheptanesulfonic acid (PFHpS)	1.68	1.9		ng/L	1.83	ND	91.8	50-150	22.6	50	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.54	1.9		ng/L	1.79	ND	86.0	50-150	10.6	50	

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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 B334733 - EPA 533											
Matrix Spike Dup (B334733-MSD1)	**Source: 23C2115-04**				Prepared: 03/31/23 Analyzed: 04/06/23						
Perfluorohexanesulfonic acid (PFHxS)	1.61	1.9		ng/L	1.75	ND	92.2	50-150	12.2	50	
Perfluoro-4-oxapentanoic acid (PFMPA)	2.03	1.9		ng/L	1.91	ND	106	50-150	9.07	50	
Perfluoro-5-oxahexanoic acid (PFMBA)	1.84	1.9		ng/L	1.91	ND	96.3	50-150	11.7	50	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	2.07	1.9		ng/L	1.82	ND	114	50-150	9.02	50	
Perfluoropetanesulfonic acid (PFPeS)	1.50	1.9		ng/L	1.80	ND	83.6	50-150	2.56	50	
Perfluoroundecanoic acid (PFUnA)	1.67	1.9		ng/L	1.91	ND	87.2	50-150	18.2	50	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.01	1.9		ng/L	1.91	ND	105	50-150	12.1	50	
Perfluoroheptanoic acid (PFHpA)	2.00	1.9		ng/L	1.91	ND	105	50-150	1.22	50	
Perfluorooctanoic acid (PFOA)	1.89	1.9		ng/L	1.91	ND	98.8	50-150	6.90	50	
Perfluorooctanesulfonic acid (PFOS)	1.67	1.9		ng/L	1.77	ND	94.3	50-150	14.3	50	
Perfluorononanoic acid (PFNA)	1.83	1.9		ng/L	1.91	ND	95.9	50-150	2.28	50	
Surrogate: M2-4:2FTS	*6510*			ng/L	9380		69.4	50-200			
Surrogate: M2-8:2FTS	*10500*			ng/L	9600		110	50-200			
Surrogate: MPFBA	*10400*			ng/L	10000		104	50-200			
Surrogate: M3HFPO-DA	*36.4*			ng/L	38.2		95.1	50-200			
Surrogate: M6PFDA	*11400*			ng/L	10000		114	50-200			
Surrogate: M3PFBS	*8720*			ng/L	9320		93.6	50-200			
Surrogate: M7PFUnA	*9790*			ng/L	10000		97.9	50-200			
Surrogate: M2-6:2FTS	*9010*			ng/L	9510		94.8	50-200			
Surrogate: M5PFPeA	*10200*			ng/L	10000		102	50-200			
Surrogate: M5PFHxA	*10200*			ng/L	10000		102	50-200			
Surrogate: M3PFHxS	*8700*			ng/L	9480		91.8	50-200			
Surrogate: M4PFHpA	*9710*			ng/L	10000		97.1	50-200			
Surrogate: M8PFOA	*10200*			ng/L	10000		102	50-200			
Surrogate: M8PFOS	*9660*			ng/L	9590		101	50-200			
Surrogate: M9PFNA	*11500*			ng/L	10000		115	50-200			
Surrogate: MPFDoA	*8630*			ng/L	10000		86.3	50-200			
Batch B334735 - EPA 533											
Blank (B334735-BLK1)					Prepared: 03/21/23 Analyzed: 03/29/23						
Perfluorobutanoic acid (PFBA)	ND	1.9		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9		ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9		ng/L							

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QUALITY CONTROL

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Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC		%REC Limits	RPD	RPD Limit	Notes
Batch B334735 - EPA 533												
Blank (B334735-BLK1)					Prepared: 03/21/23 Analyzed: 03/29/23							
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L								
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L								
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L								
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L								
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L								
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L								
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L								
Surrogate: M2-4:2FTS	*7810*			ng/L	9380		83.3		50-200			
Surrogate: M2-8:2FTS	*8970*			ng/L	9600		93.5		50-200			
Surrogate: MPFBA	*9800*			ng/L	10000		98.0		50-200			
Surrogate: M3HFPO-DA	*30.4*			ng/L	37.9		80.2		50-200			
Surrogate: M6PFDA	*8990*			ng/L	10000		89.9		50-200			
Surrogate: M3PFBS	*9560*			ng/L	9320		103		50-200			
Surrogate: M7PFUnA	*8440*			ng/L	10000		84.4		50-200			
Surrogate: M2-6:2FTS	*8240*			ng/L	9510		86.6		50-200			
Surrogate: M5PFPeA	*9640*			ng/L	10000		96.4		50-200			
Surrogate: M5PFHxA	*9250*			ng/L	10000		92.5		50-200			
Surrogate: M3PFHxS	*9270*			ng/L	9480		97.8		50-200			
Surrogate: M4PFHpA	*9100*			ng/L	10000		91.0		50-200			
Surrogate: M8PFOA	*9330*			ng/L	10000		93.3		50-200			
Surrogate: M8PFOS	*9480*			ng/L	9590		98.8		50-200			
Surrogate: M9PFNA	*9260*			ng/L	10000		92.6		50-200			
Surrogate: MPFDoA	*8450*			ng/L	10000		84.5		50-200			
LCS (B334735-BS1)					Prepared: 03/21/23 Analyzed: 03/29/23							
Perfluorobutanoic acid (PFBA)	21.5	1.9		ng/L	19.1		112		70-130			
Perfluorobutanesulfonic acid (PFBS)	21.2	1.9		ng/L	16.9		125		70-130			
Perfluoropentanoic acid (PFPeA)	21.4	1.9		ng/L	19.1		112		70-130			
Perfluorohexanoic acid (PFHxA)	22.9	1.9		ng/L	19.1		120		70-130			
11Cl-PF3OUdS (F53B Major)	21.9	1.9		ng/L	18.0		122		70-130			
9Cl-PF3ONS (F53B Minor)	21.6	1.9		ng/L	17.8		121		70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	22.0	1.9		ng/L	18.0		122		70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	21.8	1.9		ng/L	19.1		114		70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	21.0	1.9		ng/L	18.3		115		70-130			
Perfluorodecanoic acid (PFDA)	22.9	1.9		ng/L	19.1		120		70-130			
Perfluorododecanoic acid (PFDoA)	24.9	1.9		ng/L	19.1		130		70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	23.0	1.9		ng/L	17.0		**135**	*	70-130			L-02
Perfluoroheptanesulfonic acid (PFHpS)	24.9	1.9		ng/L	18.3		**136**	*	70-130			L-01
4:2 Fluorotelomersulfonic acid (4:2FTS A)	21.4	1.9		ng/L	17.9		120		70-130			
Perfluorohexanesulfonic acid (PFHxS)	17.9	1.9		ng/L	17.5		102		70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	23.2	1.9		ng/L	19.1		121		70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	22.6	1.9		ng/L	19.1		118		70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	23.0	1.9		ng/L	18.2		127		70-130			
Perfluoropetanesulfonic acid (PFPeS)	18.4	1.9		ng/L	18.0		102		70-130			
Perfluoroundecanoic acid (PFUnA)	25.7	1.9		ng/L	19.1		**135**	*	70-130			L-02
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	24.1	1.9		ng/L	19.1		126		70-130			
Perfluoroheptanoic acid (PFHpA)	22.9	1.9		ng/L	19.1		120		70-130			
Perfluorooctanoic acid (PFOA)	23.6	1.9		ng/L	19.1		124		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 B334735 - EPA 533												
LCS (B334735-BS1)					Prepared: 03/21/23 Analyzed: 03/29/23							
Perfluorooctanesulfonic acid (PFOS)	20.6	1.9		ng/L	17.7		117		70-130			
Perfluorononanoic acid (PFNA)	24.6	1.9		ng/L	19.1		129		70-130			
Surrogate: M2-4:2FTS	*7620*			ng/L	9380		81.3		50-200			
Surrogate: M2-8:2FTS	*8220*			ng/L	9600		85.6		50-200			
Surrogate: MPFBA	*10500*			ng/L	10000		105		50-200			
Surrogate: M3HFPO-DA	*41.7*			ng/L	38.2		109		50-200			
Surrogate: M6PFDA	*10800*			ng/L	10000		108		50-200			
Surrogate: M3PFBS	*10000*			ng/L	9320		108		50-200			
Surrogate: M7PFUnA	*8840*			ng/L	10000		88.4		50-200			
Surrogate: M2-6:2FTS	*8540*			ng/L	9510		89.8		50-200			
Surrogate: M5PFPeA	*10400*			ng/L	10000		104		50-200			
Surrogate: M5PFHxA	*10500*			ng/L	10000		105		50-200			
Surrogate: M3PFHxS	*11000*			ng/L	9480		116		50-200			
Surrogate: M4PFHpA	*10400*			ng/L	10000		104		50-200			
Surrogate: M8PFOA	*10500*			ng/L	10000		105		50-200			
Surrogate: M8PFOS	*10300*			ng/L	9590		107		50-200			
Surrogate: M9PFNA	*10500*			ng/L	10000		105		50-200			
Surrogate: MPFDoA	*9750*			ng/L	10000		97.5		50-200			
LCS Dup (B334735-BSD1)					Prepared: 03/21/23 Analyzed: 03/29/23							
Perfluorobutanoic acid (PFBA)	21.6	1.9		ng/L	19.5		111		70-130	0.768	30	
Perfluorobutanesulfonic acid (PFBS)	20.7	1.9		ng/L	17.2		120		70-130	2.21	30	
Perfluoropentanoic acid (PFPeA)	21.3	1.9		ng/L	19.5		109		70-130	0.480	30	
Perfluorohexanoic acid (PFHxA)	23.3	1.9		ng/L	19.5		120		70-130	1.92	30	
11Cl-PF3OUdS (F53B Major)	22.0	1.9		ng/L	18.4		120		70-130	0.529	30	
9Cl-PF3ONS (F53B Minor)	21.2	1.9		ng/L	18.2		117		70-130	1.97	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	21.4	1.9		ng/L	18.4		117		70-130	3.00	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	21.8	1.9		ng/L	19.5		112		70-130	0.238	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	24.8	1.9		ng/L	18.7		**133**	*	70-130	16.4	30	L-01
Perfluorodecanoic acid (PFDA)	24.3	1.9		ng/L	19.5		124		70-130	5.95	30	
Perfluorododecanoic acid (PFDoA)	24.4	1.9		ng/L	19.5		125		70-130	1.95	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	22.7	1.9		ng/L	17.3		**131**	*	70-130	1.30	30	L-02
Perfluoroheptanesulfonic acid (PFHpS)	24.0	1.9		ng/L	18.6		129		70-130	3.52	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	21.6	1.9		ng/L	18.2		119		70-130	0.741	30	
Perfluorohexanesulfonic acid (PFHxS)	20.4	1.9		ng/L	17.8		115		70-130	13.5	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	23.2	1.9		ng/L	19.5		119		70-130	0.345	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	22.8	1.9		ng/L	19.5		117		70-130	1.11	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	26.0	1.9		ng/L	18.5		**141**	*	70-130	12.1	30	L-07
Perfluoropetanesulfonic acid (PFPeS)	19.5	1.9		ng/L	18.3		106		70-130	5.71	30	
Perfluoroundecanoic acid (PFUnA)	26.5	1.9		ng/L	19.5		**136**	*	70-130	3.08	30	L-02
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	23.9	1.9		ng/L	19.5		123		70-130	0.748	30	
Perfluoroheptanoic acid (PFHpA)	23.1	1.9		ng/L	19.5		119		70-130	1.06	30	
Perfluorooctanoic acid (PFOA)	24.1	1.9		ng/L	19.5		124		70-130	1.98	30	
Perfluorooctanesulfonic acid (PFOS)	21.3	1.9		ng/L	18.0		118		70-130	3.35	30	
Perfluorononanoic acid (PFNA)	23.5	1.9		ng/L	19.5		121		70-130	4.72	30	
Surrogate: M2-4:2FTS	*7090*			ng/L	9380		75.6		50-200			
Surrogate: M2-8:2FTS	*6940*			ng/L	9600		72.3		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 B334735 - EPA 533											
LCS Dup (B334735-BSD1)					Prepared: 03/21/23 Analyzed: 03/29/23						
Surrogate: MPFBA	*9270*			ng/L	10000		92.7	50-200			
Surrogate: M3HFPO-DA	*42.0*			ng/L	39.0		108	50-200			
Surrogate: M6PFDA	*9130*			ng/L	10000		91.3	50-200			
Surrogate: M3PFBS	*9040*			ng/L	9320		97.0	50-200			
Surrogate: M7PFUnA	*7770*			ng/L	10000		77.7	50-200			
Surrogate: M2-6:2FTS	*7170*			ng/L	9510		75.4	50-200			
Surrogate: M5PFPeA	*9240*			ng/L	10000		92.4	50-200			
Surrogate: M5PFHxA	*9170*			ng/L	10000		91.7	50-200			
Surrogate: M3PFHxS	*9270*			ng/L	9480		97.8	50-200			
Surrogate: M4PFHpA	*9050*			ng/L	10000		90.5	50-200			
Surrogate: M8PFOA	*8940*			ng/L	10000		89.4	50-200			
Surrogate: M8PFOS	*9180*			ng/L	9590		95.7	50-200			
Surrogate: M9PFNA	*9670*			ng/L	10000		96.7	50-200			
Surrogate: MPFDoA	*8480*			ng/L	10000		84.8	50-200			
Batch B335842 - EPA 533											
Blank (B335842-BLK1)					Prepared: 04/03/23 Analyzed: 04/04/23						
Perfluorobutanoic acid (PFBA)	ND	1.9		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.9		ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.9		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.9		ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L							
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L							
Surrogate: M2-4:2FTS	*6210*			ng/L	9380		66.2	50-200			
Surrogate: M2-8:2FTS	*7080*			ng/L	9600		73.7	50-200			
Surrogate: MPFBA	*9910*			ng/L	10000		99.1	50-200			
Surrogate: M3HFPO-DA	*39.2*			ng/L	37.1		106	50-200			
Surrogate: M6PFDA	*11100*			ng/L	10000		111	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 B335842 - EPA 533											
Blank (B335842-BLK1)					Prepared: 04/03/23 Analyzed: 04/04/23						
Surrogate: M3PFBS	*9130*			ng/L	9320		97.9	50-200			
Surrogate: M7PFUnA	*8790*			ng/L	10000		87.9	50-200			
Surrogate: M2-6:2FTS	*7000*			ng/L	9510		73.6	50-200			
Surrogate: M5PFPeA	*9080*			ng/L	10000		90.8	50-200			
Surrogate: M5PFHxA	*10600*			ng/L	10000		106	50-200			
Surrogate: M3PFHxS	*7790*			ng/L	9480		82.2	50-200			
Surrogate: M4PFHpA	*9620*			ng/L	10000		96.2	50-200			
Surrogate: M8PFOA	*9660*			ng/L	10000		96.6	50-200			
Surrogate: M8PFOS	*8880*			ng/L	9590		92.6	50-200			
Surrogate: M9PFNA	*10900*			ng/L	10000		109	50-200			
Surrogate: MPFDoA	*8450*			ng/L	10000		84.5	50-200			
LCS (B335842-BS1)					Prepared: 04/03/23 Analyzed: 04/04/23						
Perfluorobutanoic acid (PFBA)	1.73	1.8		ng/L	1.82		94.7	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.52	1.8		ng/L	1.61		94.5	50-150			
Perfluoropentanoic acid (PFPeA)	1.69	1.8		ng/L	1.82		92.7	50-150			
Perfluorohexanoic acid (PFHxA)	1.73	1.8		ng/L	1.82		94.7	50-150			
11Cl-PF3OUdS (F53B Major)	1.37	1.8		ng/L	1.72		79.6	50-150			
9Cl-PF3ONS (F53B Minor)	1.74	1.8		ng/L	1.70		102	50-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.38	1.8		ng/L	1.72		80.5	50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.92	1.8		ng/L	1.82		106	50-150			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.37	1.8		ng/L	1.75		78.4	50-150			
Perfluorodecanoic acid (PFDA)	1.78	1.8		ng/L	1.82		97.6	50-150			
Perfluorododecanoic acid (PFDoA)	1.85	1.8		ng/L	1.82		102	50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.44	1.8		ng/L	1.62		89.0	50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.54	1.8		ng/L	1.74		88.3	50-150			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.56	1.8		ng/L	1.70		91.3	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.52	1.8		ng/L	1.67		91.5	50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.62	1.8		ng/L	1.82		89.1	50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.59	1.8		ng/L	1.82		87.1	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.75	1.8		ng/L	1.73		101	50-150			
Perfluoropetanesulfonic acid (PFPeS)	1.53	1.8		ng/L	1.71		89.1	50-150			
Perfluoroundecanoic acid (PFUnA)	2.18	1.8		ng/L	1.82		120	50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.05	1.8		ng/L	1.82		113	50-150			
Perfluoroheptanoic acid (PFHpA)	1.72	1.8		ng/L	1.82		94.4	50-150			
Perfluorooctanoic acid (PFOA)	1.77	1.8		ng/L	1.82		97.2	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.83	1.8		ng/L	1.68		108	50-150			
Perfluorononanoic acid (PFNA)	1.76	1.8		ng/L	1.82		96.5	50-150			
Surrogate: M2-4:2FTS	*5940*			ng/L	9380		63.3	50-200			
Surrogate: M2-8:2FTS	*7480*			ng/L	9600		77.9	50-200			
Surrogate: MPFBA	*10200*			ng/L	10000		102	50-200			
Surrogate: M3HFPO-DA	*37.3*			ng/L	36.4		102	50-200			
Surrogate: M6PFDA	*11000*			ng/L	10000		110	50-200			
Surrogate: M3PFBS	*9040*			ng/L	9320		97.0	50-200			
Surrogate: M7PFUnA	*8960*			ng/L	10000		89.6	50-200			
Surrogate: M2-6:2FTS	*7070*			ng/L	9510		74.4	50-200			
Surrogate: M5PFPeA	*9410*			ng/L	10000		94.1	50-200			
Surrogate: M5PFHxA	*11000*			ng/L	10000		110	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 B335842 - EPA 533											
LCS (B335842-BS1)					Prepared: 04/03/23 Analyzed: 04/04/23						
Surrogate: M3PFHxS	*7560*			ng/L	9480		79.8	50-200			
Surrogate: M4PFHpA	*9830*			ng/L	10000		98.3	50-200			
Surrogate: M8PFOA	*10100*			ng/L	10000		101	50-200			
Surrogate: M8PFOS	*8180*			ng/L	9590		85.3	50-200			
Surrogate: M9PFNA	*11400*			ng/L	10000		114	50-200			
Surrogate: MPFDoA	*8370*			ng/L	10000		83.7	50-200			
LCS Dup (B335842-BSD1)					Prepared: 04/03/23 Analyzed: 04/04/23						
Perfluorobutanoic acid (PFBA)	1.86	2.0		ng/L	1.97		94.4	50-150	7.45	30	
Perfluorobutanesulfonic acid (PFBS)	1.75	2.0		ng/L	1.74		101	50-150	13.9	30	
Perfluoropentanoic acid (PFPeA)	1.89	2.0		ng/L	1.97		95.8	50-150	11.0	30	
Perfluorohexanoic acid (PFHxA)	2.00	2.0		ng/L	1.97		102	50-150	14.8	30	
11Cl-PF3OUdS (F53B Major)	1.21	2.0		ng/L	1.85		65.2	50-150	12.3	30	
9Cl-PF3ONS (F53B Minor)	1.56	2.0		ng/L	1.83		84.8	50-150	11.2	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.55	2.0		ng/L	1.85		83.9	50-150	11.9	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.92	2.0		ng/L	1.97		97.6	50-150	0.0465	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.74	2.0		ng/L	1.89		92.0	50-150	23.6	30	
Perfluorodecanoic acid (PFDA)	1.92	2.0		ng/L	1.97		97.6	50-150	7.69	30	
Perfluorododecanoic acid (PFDoA)	2.10	2.0		ng/L	1.97		107	50-150	12.6	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.59	2.0		ng/L	1.75		90.9	50-150	9.85	30	
Perfluoroheptanesulfonic acid (PFHpS)	1.96	2.0		ng/L	1.88		104	50-150	24.1	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.78	2.0		ng/L	1.84		96.7	50-150	13.4	30	
Perfluorohexanesulfonic acid (PFHxS)	1.70	2.0		ng/L	1.80		94.5	50-150	11.0	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	1.86	2.0		ng/L	1.97		94.7	50-150	13.8	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	1.75	2.0		ng/L	1.97		88.8	50-150	9.64	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.47	2.0		ng/L	1.87		78.4	50-150	17.5	30	
Perfluoropetanesulfonic acid (PFPeS)	1.90	2.0		ng/L	1.85		103	50-150	21.8	30	
Perfluoroundecanoic acid (PFUnA)	1.98	2.0		ng/L	1.97		101	50-150	9.41	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	2.33	2.0		ng/L	1.97		118	50-150	12.5	30	
Perfluoroheptanoic acid (PFHpA)	1.96	2.0		ng/L	1.97		99.5	50-150	13.0	30	
Perfluorooctanoic acid (PFOA)	2.06	2.0		ng/L	1.97		105	50-150	15.0	30	
Perfluorooctanesulfonic acid (PFOS)	1.93	2.0		ng/L	1.82		106	50-150	5.51	30	
Perfluorononanoic acid (PFNA)	2.14	2.0		ng/L	1.97		109	50-150	19.4	30	
Surrogate: M2-4:2FTS	*5850*			ng/L	9380		62.3	50-200			
Surrogate: M2-8:2FTS	*7720*			ng/L	9600		80.4	50-200			
Surrogate: MPFBA	*10200*			ng/L	10000		102	50-200			
Surrogate: M3HFPO-DA	*41.9*			ng/L	39.4		107	50-200			
Surrogate: M6PFDA	*11900*			ng/L	10000		119	50-200			
Surrogate: M3PFBS	*9170*			ng/L	9320		98.4	50-200			
Surrogate: M7PFUnA	*9750*			ng/L	10000		97.5	50-200			
Surrogate: M2-6:2FTS	*6980*			ng/L	9510		73.4	50-200			
Surrogate: M5PFPeA	*9480*			ng/L	10000		94.8	50-200			
Surrogate: M5PFHxA	*10500*			ng/L	10000		105	50-200			
Surrogate: M3PFHxS	*8080*			ng/L	9480		85.2	50-200			
Surrogate: M4PFHpA	*9560*			ng/L	10000		95.6	50-200			
Surrogate: M8PFOA	*9930*			ng/L	10000		99.3	50-200			
Surrogate: M8PFOS	*9120*			ng/L	9590		95.1	50-200			
Surrogate: M9PFNA	*11000*			ng/L	10000		110	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 B335842 - EPA 533											
LCS Dup (B335842-BSD1)					Prepared: 04/03/23 Analyzed: 04/04/23						
Surrogate: MPFDoA	*8050*			ng/L	10000		80.5	50-200			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-01	Laboratory fortified blank/laboratory control sample recovery outside of control limits. Data validation is not affected since all results are "not detected" for all samples in this batch for this compound and bias is on the high side.
L-02	Laboratory fortified blank/laboratory control sample recovery and duplicate recoveries outside of control limits. Data validation is not affected since all results are "not detected" for associated samples in this batch and bias is on the high side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
PF-17	Extracted Internal Standard recovery is outside of control limits. Data is not significantly affected since associated analyte is not detected and bias is on the high side.
S-29	Extracted Internal Standard is outside of control limits.

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CERTIFICATIONS

Certified Analyses included in this Report

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

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

Code	Description	Number	Expires
NY	New York State Department of Health	10899 NELAP	04/1/2024
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2024
NJ	New Jersey DEP	MA007 NELAP	06/30/2023
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2023
ME	State of Maine	MA00100	06/9/2023
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2023

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Minneapolis, MN 55414

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

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

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

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

Data Delivery
Format: PDF ☐ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: David.Chiusano@
Fax To #: DEC.NY.GOV

ANALYSIS REQUESTED

Pace Analytical Work Order#		Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	[1]Matrix Code	Conc Code	EPA 533	# of Containers	[2] Preservation Code	[3] Container Code
	1	BH20230317-PRE-GAC	3/17/23	9:56		✓	DW		2	24	1	P
	2	BH20230317-POST-GAC		9:58		✓	DW		2			
	3	BH20230317-POST-GACDUP		10:00		✓	DW		2			
	4	BH20230317-POST-GACMS/MSD		10:01		✓	DW		6			
	5	BH20230317-IN-25		10:12		✓	DW		2			
	6	BH20230317-IN-50		10:14		✓	DW		2			
	7	BH20230317-IN-75		10:15		✓	DW		2			
	8	BH20230317-IPOST		10:16		✓	DW		2			
	9	BH20230317-IS-25		10:19		✓	DW		2			
	10	BH20230317-IS-50	↓	10:20		✓	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 email 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: 3/17 12:30
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
ived by: (signature) PACENB	Date/Time: 3/17 12:30
quished by: (signature) PACENB	Date/Time: 3/17 1350
ived by: (signature) 3.8	Date/Time: 3/18/23 9:26

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

Table of Contents

Pace Analytical®
Phone: 612-607-6400
Fax: 612-607-6344
https://www.pacelabs.com/
1800 Elm Street SE
Minneapolis, MN 55414

Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

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

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

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

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: David Chiusano @
Fax To #: DEC.NY.GOV

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	20 1 P	EPA 533	# of Containers	Preservation Code	Container Code
11	BH20230317-18-75	3/17/23	10:21		✓	DW		2				
12	BH20230317-1MID		10:22		✓	DW		2				
13	BH20230317-2N-25		10:26		✓	DW		2				
14	BH20230317-2N-50		10:27		✓	DW		2				
15	BH20230317-2N-75		10:28		✓	DW		2				
16	BH20230317-2POST		10:29		✓	DW		2				
17	BH20230317-2S-25		10:34		✓	DW		2				
18	BH20230317-2S-50		10:36		✓	DW		2				
19	BH20230317-2S-75		10:38		✓	DW		2				
20	BH20230317-2MID	↓	10:39		✓	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 email 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)	Date/Time:
Meg Fitzgerald	3/17 12:30
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:
	3/17 12:30
Relinquished by: (signature)	Date/Time:
3.8	:1C
Received by: (signature)	Date/Time:
3/17/23	

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
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Project Manager:	David Chiusano
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Sampled By:	Meghan Fitzgerald/Casey Rodomski

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

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

Data Delivery
Format: PDF ☑ EXCEL ☑
Other:
CLP Like Data Pkg Required: ☐
Email To: David Chiusano@
Fax To #: DEC.NY.GOV

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

ANALYSIS REQUESTED: EPA 533

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	¹Matrix Code	Conc Code	EPA 533
21	BH20230317-3N-25	3/17/23	10:40		✓	DW		2
22	BH20230317-3N-50	↓	10:41		✓	DW		2
23	BH20230317-3N-75	↓	10:42		✓	DW		2
24	BH20230317-3POST	↓	10:45		✓	DW		2
25	BH20230317-3S-25	↓	10:47		✓	DW		2
26	BH20230317-3S-50	↓	10:48		✓	DW		2
27	BH20230317-3S-75	↓	10:49		✓	DW		2
28	BH20230317-3MID	↓	10:51		✓	DW		2
29	BH20230317-1RAW	↓	11:14		✓	DW		2
30	BH20230317-2RAW	↓	11:06		✓	DW		2

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

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Comments:
Please email 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

Signature	Date/Time
Relinquished by: (signature) Meg Fitzgerald	Date/Time: 3/17 12:30
Received by: (signature) [signature]	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature) [signature]	Date/Time: 3/17 12:30
Relinquished by: (signature)	Date/Time: .1C
Received by: (signature) [signature] 3.8	Date/Time: 3-18-23 920

Program & Regulatory Information
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1-Day ☐ 3-Day ☐
2-Day ☐ 4-Day ☐

Data Delivery
Format: PDF ☐ EXCEL ☐
Other:
CLP Like Data Pkg Required: ☐
Email To: David Chiusano@
Fax To #: DEC.NY.GOV

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

ANALYSIS REQUESTED: EPA 533

Pace Analytical Work Order#	Client Sample ID / Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	¹Matrix Code	Conc Code	EPA 533
31	BH20230317-3RAW	3/17/23	11:25		✓	DW		2
	~~BH20230317~~ CR							

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

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O = Other (please define)

Comments:
Please email 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: 3/17 12:31
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time: 3/17 12:20
Relinquished by: (signature)	Date/Time: IC
Received by: (signature) 3.8	Date/Time: 3-18-23 920

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Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

[redacted]

FedEx® Tracking

DELIVERED

Saturday

3/18/2023 at 9:20 am

Signed for by: S.BUNTING

Obtain Proof of delivery

How was your delivery?

DELIVERY STATUS

Delivered

TRACKING ID

771589399313

FROM
Newburgh, NY US

Label Created
3/17/2023 12:53 PM

PACKAGE RECEIVED BY FEDEX
NEWBURGH, NY
3/17/2023 4:53 PM

IN TRANSIT
WINDSOR LOCKS, CT
3/18/2023 8:06 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
3/18/2023 8:06 AM

DELIVERED
EAST LONGMEADOW, MA US

Delivered
3/18/2023 at 9:20 AM

View travel history

Want updates on this shipment? Enter your email and we will do the rest!

YOUR EMAIL

SUBMIT

MORE OPTIONS

Manage Delivery

Shipment facts

39 Spruce St.
East Longmeadow, MA. 01028
P: 413-525-2332
F:413-525-6405
www.pacelabs.com

Log In Back-Sheet

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

Pace® PEOPLE ADVANCING SCIENCE

Client Arcadis

Project Stewart + ANG Butterhill

MCP/RCP Required N/A

Deliverable Package Req. N/A

Location New Windsor, NY

PWSID# (When Applicable) N/A

Arrival Method:

Courier ☐ Fed Ex ☑ Walk In ☐ Other ☐ _____

Received By / Date / Time Spencer 3/18/23 935

Back-Sheet By / Date / Time LA 3/20/23

Temperature Method Temp Blank # _____

Temp ☑ < 6° C Actual Temperature 3.5

Rush Samples: Yes / (No) Notify _____

Short Hold: Yes / (No) Notify _____

	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	☑	☐

Notes regarding Samples/COC outside of SOP:

COC Included: (Check all included)

Client ☑ Analysis ☑ Sampler Name ☑

Project ☐ IDs ☑ Collection Date/Time ☑

All Samples Proper pH: (N/A) ☐ ☐

Container (Circle when applicable)	UnP	HCl	HNO3	H2SO4	NaOH	Trizma	NaS2O3	Other Preservative
1L Amber Plastic								
500 mL Amber Plastic								
250 mL Amber (Plastic)								66
Other Amber Clear Plastic								
16oz Amber Clear								
8oz Amber Clear								
4oz Amber Clear								
2oz Amber Clear								
Col/Bacteria								
Flashpoint								
Plastic Bag								
SOC Kit								
Perchlorate								
Encore								
Frozen								

	Proper Headspace	UnP	HCl	MeOH	Bisulfate	DI	Thiosulfate	Sulfuric	Other
Vials									