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

January 11, 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 **December 8,2022** 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 “BH20221208PRE-GAC” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20221208-1N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20221208-1N-50” identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 1), which has a “BH20221208-1N-75” identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20221208-2N-25” identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 2), which has a “BH20221208-2N-50” identifier in the Client Sample ID;

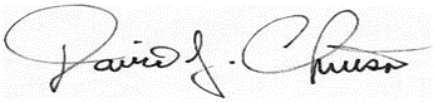
- 75 % treatment (within the lead GAC canister in Pair Train No. 2), which has a "BH20221208-2N-75" identifier in the Client Sample ID;
- 25 % treatment (within the lead GAC canister in Pair Train No. 3), which has a "BH20221208-3N-25" identifier in the Client Sample ID;
- 50 % treatment (within the lead GAC canister in Pair Train No. 3), which has a "BH20221208-3N-50" identifier in the Client Sample ID;
- 75 % treatment (within the lead GAC canister in Pair Train No. 3), which has a "BH20221208-3N-75" identifier in the Client Sample ID;
- Butterhill Well No.1 raw untreated water; which has a "BH20221208-1RAW" identifier in the Client Sample ID;
- Butterhill Well No.2 raw untreated water; which has a "BH20221208-2RAW" identifier in the Client Sample ID;
- Butterhill Well No.3 raw untreated water; which has a "BH20221208-3RAW" identifier in the Client Sample ID;
- Post-treatment (treated water after all GAC trains), which has a "BH20221208POST-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 "BH20221208-1 MID" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 1), which has a "BH20221208-1 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 "BH20221208-2 MID" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 2), which has a "BH20221208-2 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 "BH20221208-3 MID" identifier in the Client Sample ID;
- post-treatment (after the GAC Pair Train 3), which has a "BH20221208-3 POST" identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 1), which has a "BH20221208-1S-25" identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 1), which has a "BH20221208-1S-50" identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 1), which has a "BH20221208-1S-75" identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 2), which has a "BH20221208-2S-25" identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 2), which has a "BH20221208-2S-50" identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 2), which has a "BH20221208-2S-75" identifier in the Client Sample ID;
- 25 % treatment (within the lag GAC canister in Pair Train No. 3), which has a "BH20221208-3S-25" identifier in the Client Sample ID;
- 50 % treatment (within the lag GAC canister in Pair Train No. 3), which has a "BH20221208-3S-50" identifier in the Client Sample ID;
- 75 % treatment (within the lag GAC canister in Pair Train No. 3), which has a "BH20221208-3S-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 December 2022.

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,



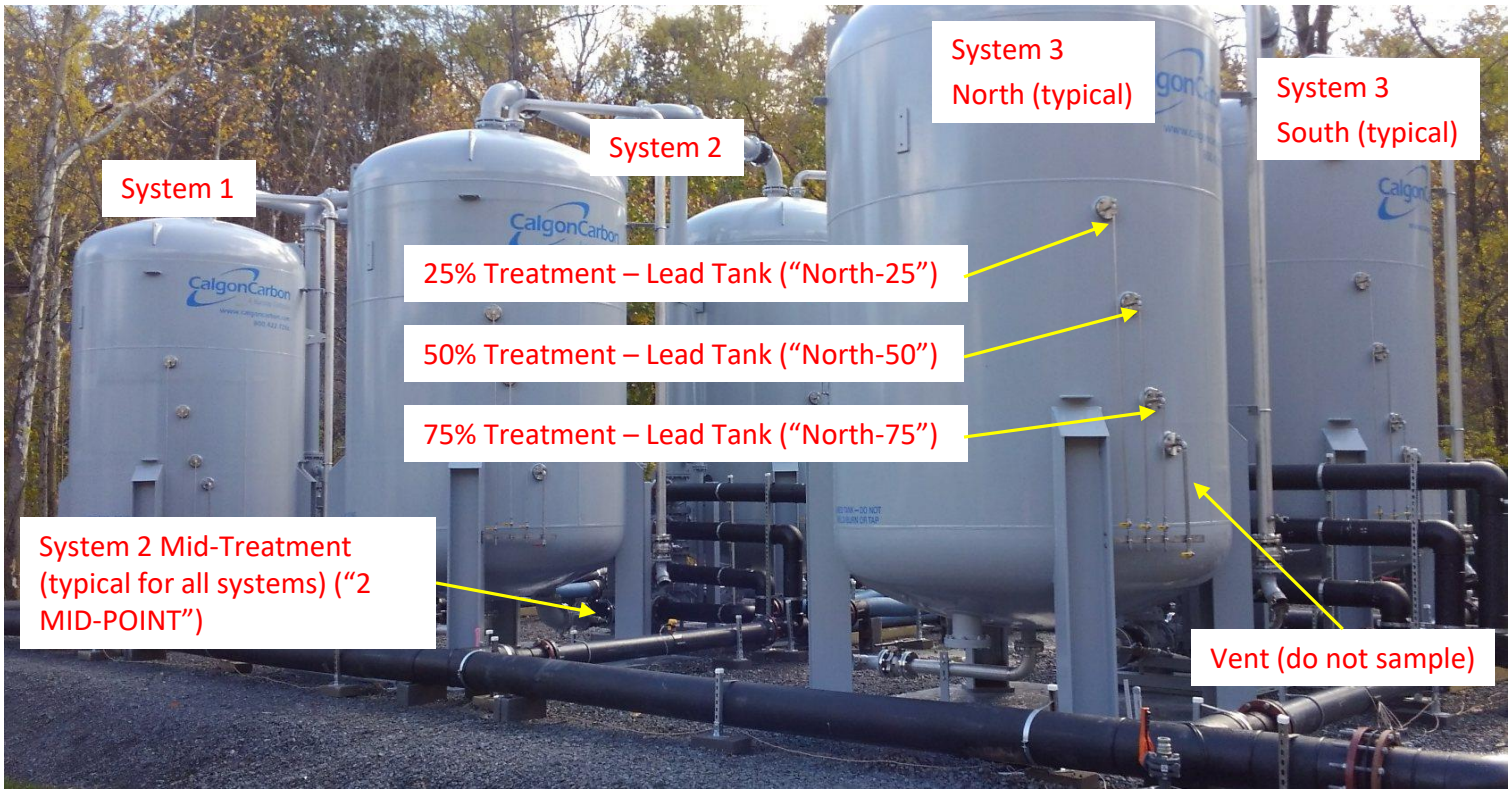
David J. Chiusano
Environmental Engineer/Project Manager
Remedial Section A, Remedial Bureau E
Division of Environmental Remediation

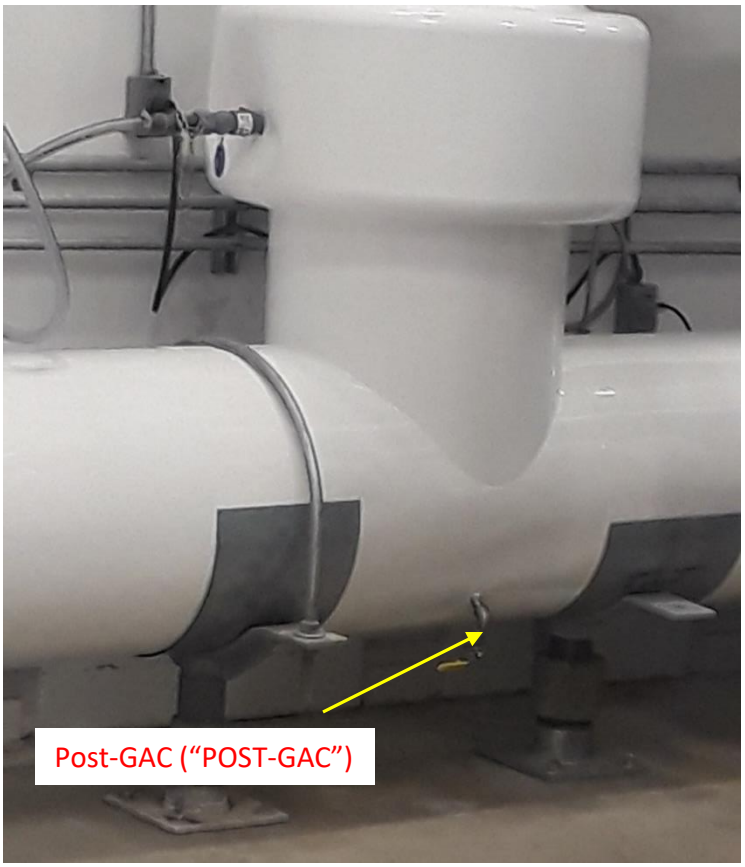
Enclosures

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. Bendell, Region 3 RHWRE

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

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**

Notes:

* Method 533 List Analysis

** At the time of sampling (12/08/2022), 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

January 11, 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: 22L1422

Enclosed are results of analyses for samples as received by the laboratory on December 9, 2022. 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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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: 1/11/2023

PURCHASE ORDER NUMBER: 141586

PROJECT NUMBER: 30058345

ANALYTICAL SUMMARY

WORK ORDER NUMBER: 22L1422

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
BH20221208 PRE-GAC	22L1422-01	Drinking Water		EPA 533	
BH20221208 POST- GAC	22L1422-02	Drinking Water		EPA 533	
BH20221208 POST-GAC DUP	22L1422-03	Drinking Water		EPA 533	
BH20221208- IN-25	22L1422-04	Drinking Water		EPA 533	
BH20221208- IN-50	22L1422-05	Drinking Water		EPA 533	
BH20221208- IN-75	22L1422-06	Drinking Water		EPA 533	
BH20221208- 1MID	22L1422-07	Drinking Water		EPA 533	
BH20221208- 1S-25	22L1422-08	Drinking Water		EPA 533	
BH20221208- 1S-50	22L1422-09	Drinking Water		EPA 533	
BH20221208- 1S-75	22L1422-10	Drinking Water		EPA 533	
BH20221208- 1POST	22L1422-11	Drinking Water		EPA 533	
BH20221208- 2N-25	22L1422-12	Drinking Water		EPA 533	
BH20221208- 2N-50	22L1422-13	Drinking Water		EPA 533	
BH20221208- 2N-75	22L1422-14	Drinking Water		EPA 533	
BH20221208- 2POST	22L1422-15	Drinking Water		EPA 533	
BH20221208- 2S-25	22L1422-16	Drinking Water		EPA 533	
BH20221208- 2S-50	22L1422-17	Drinking Water		EPA 533	
BH20221208- 2S-75	22L1422-18	Drinking Water		EPA 533	
BH20221208- 2MID	22L1422-19	Drinking Water		EPA 533	
BH20221208- 3N-25	22L1422-20	Drinking Water		EPA 533	
BH20221208- 3N-50	22L1422-21	Drinking Water		EPA 533	
BH20221208- 3N-75	22L1422-22	Drinking Water		EPA 533	
BH20221208- 3POST	22L1422-23	Drinking Water		EPA 533	
BH20221208- 3S-25	22L1422-24	Drinking Water		EPA 533	
BH20221208- 3S-50	22L1422-25	Drinking Water		EPA 533	
BH20221208- 3S-75	22L1422-26	Drinking Water		EPA 533	
BH20221208- 3MID	22L1422-27	Drinking Water		EPA 533	
BH20221208- 1RAW	22L1422-28	Drinking Water		EPA 533	
BH20221208- 2RAW	22L1422-29	Drinking Water		EPA 533	
BH20221208- 3RAW	22L1422-30	Drinking Water		EPA 533	
BH20221208- FRB	22L1422-31	Drinking Water		EPA 533	

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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.

Samples were not able to be re-extracted to confirm EIS non-conformances due to a lab accident resulting in the loss of the second container. Original results reported.

EPA 533

Qualifications:

S-29

Extracted Internal Standard is outside of control limits.

Analyte & Samples(s) Qualified:

M3HFPO-DA
22L1422-02[BH20221208 POST- GAC], 22L1422-05[BH20221208- IN-50], 22L1422-11[BH20221208- 1POST], 22L1422-13[BH20221208- 2N-50]

M4PFHpA
22L1422-02[BH20221208 POST- GAC]

M5PFHxA
22L1422-02[BH20221208 POST- GAC]

M6PFDA
22L1422-02[BH20221208 POST- GAC], 22L1422-05[BH20221208- IN-50], 22L1422-06[BH20221208- IN-75]

M8PFOA
22L1422-02[BH20221208 POST- GAC], 22L1422-05[BH20221208- IN-50], 22L1422-11[BH20221208- 1POST]

M9PFNA
22L1422-02[BH20221208 POST- GAC], 22L1422-05[BH20221208- IN-50], 22L1422-06[BH20221208- IN-75], 22L1422-11[BH20221208- 1POST]

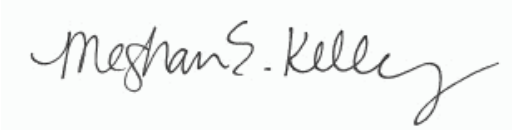
Z-01

Sample was re-extracted to confirm detection. Re-extraction of second container confirmed detection. Original result reported.

Analyte & Samples(s) Qualified:

22L1422-15[BH20221208- 2POST]

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



Meghan E. Kelley
Reporting Specialist

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

Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208 PRE-GAC | Sampled: 12/8/2022 09:25

Sample ID: 22L1422-01

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)	5.5	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluorobutanesulfonic acid (PFBS)	2.5	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluoropentanoic acid (PFPeA)	6.3	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluorohexanoic acid (PFHxA)	3.5	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluorohexanesulfonic acid (PFHxS)	4.7	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluoroheptanoic acid (PFHpA)	2.3	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluorooctanoic acid (PFOA)	3.6	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluorooctanesulfonic acid (PFOS)	4.5	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 11:55	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	78.4	50-200		12/21/22 11:55
M2-8:2FTS	84.8	50-200		12/21/22 11:55
MPFBA	85.8	50-200		12/21/22 11:55
M3HFPO-DA	62.7	50-200		12/21/22 11:55
M6PFDA	75.8	50-200		12/21/22 11:55
M3PFBS	102	50-200		12/21/22 11:55
M7PFUnA	81.2	50-200		12/21/22 11:55
M2-6:2FTS	94.5	50-200		12/21/22 11:55
M5PFPeA	95.2	50-200		12/21/22 11:55
M5PFHxA	78.0	50-200		12/21/22 11:55
M3PFHxS	101	50-200		12/21/22 11:55
M4PFHpA	77.0	50-200		12/21/22 11:55
M8PFOA	77.9	50-200		12/21/22 11:55
M8PFOS	99.2	50-200		12/21/22 11:55
M9PFNA	72.1	50-200		12/21/22 11:55
MPFDoA	78.5	50-200		12/21/22 11:55

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208 POST- GAC

Sample ID: 22L1422-02 | Start Date/Time: 12/8/2022 9:28:00AM

Sample Matrix: Drinking Water | Stop Date/Time: 12/8/2022 9:31:00AM

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	12/15/22	12/21/22 12:02	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:02	DRL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	58.4		50-200		12/21/22 12:02
M2-8:2FTS	70.9		50-200		12/21/22 12:02
MPFBA	51.9		50-200		12/21/22 12:02
M3HFPO-DA	**36.3**	*	50-200	S-29	12/21/22 12:02
M6PFDA	**45.6**	*	50-200	S-29	12/21/22 12:02
M3PFBS	93.7		50-200		12/21/22 12:02
M7PFUnA	51.8		50-200		12/21/22 12:02
M2-6:2FTS	79.3		50-200		12/21/22 12:02
M5PFPeA	50.1		50-200		12/21/22 12:02
M5PFHxA	**47.3**	*	50-200	S-29	12/21/22 12:02
M3PFHxS	92.2		50-200		12/21/22 12:02
M4PFHpA	**45.6**	*	50-200	S-29	12/21/22 12:02
M8PFOA	**41.1**	*	50-200	S-29	12/21/22 12:02
M8PFOS	100		50-200		12/21/22 12:02
M9PFNA	**39.4**	*	50-200	S-29	12/21/22 12:02
MPFDoA	62.0		50-200		12/21/22 12:02

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Project Location: New Windsor, NY Sample Description: Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208 POST-GAC DUP Sampled: 12/8/2022 09:28

Sample ID: 22L1422-03

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)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:09	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	52.0	50-200		12/21/22 12:09
M2-8:2FTS	60.7	50-200		12/21/22 12:09
MPFBA	73.9	50-200		12/21/22 12:09
M3HFPO-DA	63.9	50-200		12/21/22 12:09
M6PFDA	84.1	50-200		12/21/22 12:09
M3PFBS	82.3	50-200		12/21/22 12:09
M7PFUnA	84.0	50-200		12/21/22 12:09
M2-6:2FTS	58.2	50-200		12/21/22 12:09
M5PFPeA	74.9	50-200		12/21/22 12:09
M5PFHxA	74.7	50-200		12/21/22 12:09
M3PFHxS	80.9	50-200		12/21/22 12:09
M4PFHpA	78.0	50-200		12/21/22 12:09
M8PFOA	76.4	50-200		12/21/22 12:09
M8PFOS	81.4	50-200		12/21/22 12:09
M9PFNA	76.9	50-200		12/21/22 12:09
MPFDoA	84.4	50-200		12/21/22 12:09

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- IN-25 | Sampled: 12/8/2022 10:03

Sample ID: 22L1422-04

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)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:16	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	56.5	50-200		12/21/22 12:16
M2-8:2FTS	71.8	50-200		12/21/22 12:16
MPFBA	69.1	50-200		12/21/22 12:16
M3HFPO-DA	63.0	50-200		12/21/22 12:16
M6PFDA	71.2	50-200		12/21/22 12:16
M3PFBS	89.7	50-200		12/21/22 12:16
M7PFUnA	74.8	50-200		12/21/22 12:16
M2-6:2FTS	69.7	50-200		12/21/22 12:16
M5PFPeA	67.8	50-200		12/21/22 12:16
M5PFHxA	67.0	50-200		12/21/22 12:16
M3PFHxS	91.3	50-200		12/21/22 12:16
M4PFHpA	68.2	50-200		12/21/22 12:16
M8PFOA	73.2	50-200		12/21/22 12:16
M8PFOS	93.3	50-200		12/21/22 12:16
M9PFNA	72.8	50-200		12/21/22 12:16
MPFDoA	78.5	50-200		12/21/22 12:16

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- IN-50 | Sampled: 12/8/2022 10:05

Sample ID: 22L1422-05

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)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	12/15/22	12/21/22 12:23	DRL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	54.8		50-200		12/21/22 12:23
M2-8:2FTS	64.6		50-200		12/21/22 12:23
MPFBA	60.5		50-200		12/21/22 12:23
M3HFPO-DA	**45.9**	*	50-200	S-29	12/21/22 12:23
M6PFDA	**42.7**	*	50-200	S-29	12/21/22 12:23
M3PFBS	85.2		50-200		12/21/22 12:23
M7PFUnA	50.8		50-200		12/21/22 12:23
M2-6:2FTS	68.7		50-200		12/21/22 12:23
M5PFPeA	56.9		50-200		12/21/22 12:23
M5PFHxA	54.1		50-200		12/21/22 12:23
M3PFHxS	86.2		50-200		12/21/22 12:23
M4PFHpA	51.8		50-200		12/21/22 12:23
M8PFOA	**49.4**	*	50-200	S-29	12/21/22 12:23
M8PFOS	82.5		50-200		12/21/22 12:23
M9PFNA	**43.9**	*	50-200	S-29	12/21/22 12:23
MPFDoA	57.2		50-200		12/21/22 12:23

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- IN-75 | Sampled: 12/8/2022 10:07

Sample ID: 22L1422-06

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)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:31	DRL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	51.8		50-200		12/21/22 12:31
M2-8:2FTS	59.3		50-200		12/21/22 12:31
MPFBA	58.3		50-200		12/21/22 12:31
M3HFPO-DA	52.2		50-200		12/21/22 12:31
M6PFDA	**45.6**	*	50-200	S-29	12/21/22 12:31
M3PFBS	83.0		50-200		12/21/22 12:31
M7PFUnA	51.1		50-200		12/21/22 12:31
M2-6:2FTS	63.8		50-200		12/21/22 12:31
M5PFPeA	55.4		50-200		12/21/22 12:31
M5PFHxA	54.4		50-200		12/21/22 12:31
M3PFHxS	83.2		50-200		12/21/22 12:31
M4PFHpA	52.9		50-200		12/21/22 12:31
M8PFOA	51.6		50-200		12/21/22 12:31
M8PFOS	77.5		50-200		12/21/22 12:31
M9PFNA	**43.5**	*	50-200	S-29	12/21/22 12:31
MPFDoA	53.7		50-200		12/21/22 12:31

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 1MID | Sampled: 12/8/2022 10:18

Sample ID: 22L1422-07

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)	4.9	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluoropentanoic acid (PFPeA)	4.6	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluorohexanoic acid (PFHxA)	2.0	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 12:38	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	58.8	50-200		12/21/22 12:38
M2-8:2FTS	83.4	50-200		12/21/22 12:38
MPFBA	82.6	50-200		12/21/22 12:38
M3HFPO-DA	75.0	50-200		12/21/22 12:38
M6PFDA	68.3	50-200		12/21/22 12:38
M3PFBS	95.5	50-200		12/21/22 12:38
M7PFUnA	72.1	50-200		12/21/22 12:38
M2-6:2FTS	71.8	50-200		12/21/22 12:38
M5PFPeA	84.1	50-200		12/21/22 12:38
M5PFHxA	73.2	50-200		12/21/22 12:38
M3PFHxS	92.8	50-200		12/21/22 12:38
M4PFHpA	72.0	50-200		12/21/22 12:38
M8PFOA	68.5	50-200		12/21/22 12:38
M8PFOS	101	50-200		12/21/22 12:38
M9PFNA	65.2	50-200		12/21/22 12:38
MPFDoA	76.2	50-200		12/21/22 12:38

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 1S-25 | Sampled: 12/8/2022 10:09

Sample ID: 22L1422-08

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)	5.8	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluorobutanesulfonic acid (PFBS)	2.2	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluoropentanoic acid (PFPeA)	6.6	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluorohexanoic acid (PFHxA)	3.6	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluorohexanesulfonic acid (PFHxS)	2.9	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluorooctanoic acid (PFOA)	2.8	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluorooctanesulfonic acid (PFOS)	2.2	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:45	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	62.3	50-200		12/21/22 12:45
M2-8:2FTS	74.7	50-200		12/21/22 12:45
MPFBA	83.0	50-200		12/21/22 12:45
M3HFPO-DA	66.0	50-200		12/21/22 12:45
M6PFDA	73.4	50-200		12/21/22 12:45
M3PFBS	87.7	50-200		12/21/22 12:45
M7PFUnA	75.4	50-200		12/21/22 12:45
M2-6:2FTS	74.1	50-200		12/21/22 12:45
M5PFPeA	88.5	50-200		12/21/22 12:45
M5PFHxA	77.8	50-200		12/21/22 12:45
M3PFHxS	85.8	50-200		12/21/22 12:45
M4PFHpA	74.1	50-200		12/21/22 12:45
M8PFOA	68.3	50-200		12/21/22 12:45
M8PFOS	84.4	50-200		12/21/22 12:45
M9PFNA	61.4	50-200		12/21/22 12:45
MPFDoA	74.4	50-200		12/21/22 12:45

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 1S-50 | Sampled: 12/8/2022 10:12

Sample ID: 22L1422-09

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)	5.6	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluoropentanoic acid (PFPeA)	6.0	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluorohexanoic acid (PFHxA)	3.0	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:52	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	57.0	50-200		12/21/22 12:52
M2-8:2FTS	65.0	50-200		12/21/22 12:52
MPFBA	87.0	50-200		12/21/22 12:52
M3HFPO-DA	78.5	50-200		12/21/22 12:52
M6PFDA	91.1	50-200		12/21/22 12:52
M3PFBS	87.9	50-200		12/21/22 12:52
M7PFUnA	94.6	50-200		12/21/22 12:52
M2-6:2FTS	69.5	50-200		12/21/22 12:52
M5PFPeA	92.1	50-200		12/21/22 12:52
M5PFHxA	84.9	50-200		12/21/22 12:52
M3PFHxS	88.0	50-200		12/21/22 12:52
M4PFHpA	86.0	50-200		12/21/22 12:52
M8PFOA	83.4	50-200		12/21/22 12:52
M8PFOS	85.7	50-200		12/21/22 12:52
M9PFNA	86.3	50-200		12/21/22 12:52
MPFDoA	78.3	50-200		12/21/22 12:52

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 1S-75 | Sampled: 12/8/2022 10:15

Sample ID: 22L1422-10

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)	3.5	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluoropentanoic acid (PFPeA)	4.9	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluorohexanoic acid (PFHxA)	2.0	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 12:59	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	56.6	50-200		12/21/22 12:59
M2-8:2FTS	75.3	50-200		12/21/22 12:59
MPFBA	78.4	50-200		12/21/22 12:59
M3HFPO-DA	64.6	50-200		12/21/22 12:59
M6PFDA	69.3	50-200		12/21/22 12:59
M3PFBS	89.0	50-200		12/21/22 12:59
M7PFUnA	80.3	50-200		12/21/22 12:59
M2-6:2FTS	67.3	50-200		12/21/22 12:59
M5PFPeA	80.0	50-200		12/21/22 12:59
M5PFHxA	74.0	50-200		12/21/22 12:59
M3PFHxS	87.1	50-200		12/21/22 12:59
M4PFHpA	74.1	50-200		12/21/22 12:59
M8PFOA	72.0	50-200		12/21/22 12:59
M8PFOS	96.3	50-200		12/21/22 12:59
M9PFNA	67.9	50-200		12/21/22 12:59
MPFDoA	80.2	50-200		12/21/22 12:59

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 1POST | Sampled: 12/8/2022 10:16

Sample ID: 22L1422-11

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)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:21	DRL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	56.6		50-200		12/21/22 13:21
M2-8:2FTS	67.0		50-200		12/21/22 13:21
MPFBA	59.9		50-200		12/21/22 13:21
M3HFPO-DA	**46.5**	*	50-200	S-29	12/21/22 13:21
M6PFDA	52.0		50-200		12/21/22 13:21
M3PFBS	85.2		50-200		12/21/22 13:21
M7PFUnA	52.1		50-200		12/21/22 13:21
M2-6:2FTS	66.7		50-200		12/21/22 13:21
M5PFPeA	57.4		50-200		12/21/22 13:21
M5PFHxA	55.3		50-200		12/21/22 13:21
M3PFHxS	83.9		50-200		12/21/22 13:21
M4PFHpA	51.1		50-200		12/21/22 13:21
M8PFOA	**47.4**	*	50-200	S-29	12/21/22 13:21
M8PFOS	77.6		50-200		12/21/22 13:21
M9PFNA	**43.0**	*	50-200	S-29	12/21/22 13:21
MPFDoA	62.4		50-200		12/21/22 13:21

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 2N-25 | Sampled: 12/8/2022 10:26

Sample ID: 22L1422-12

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)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/15/22	12/21/22 13:29	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	60.5	50-200		12/21/22 13:29
M2-8:2FTS	71.0	50-200		12/21/22 13:29
MPFBA	77.7	50-200		12/21/22 13:29
M3HFPO-DA	65.0	50-200		12/21/22 13:29
M6PFDA	64.9	50-200		12/21/22 13:29
M3PFBS	93.6	50-200		12/21/22 13:29
M7PFUnA	66.2	50-200		12/21/22 13:29
M2-6:2FTS	65.9	50-200		12/21/22 13:29
M5PFPeA	74.3	50-200		12/21/22 13:29
M5PFHxA	75.7	50-200		12/21/22 13:29
M3PFHxS	89.4	50-200		12/21/22 13:29
M4PFHpA	70.2	50-200		12/21/22 13:29
M8PFOA	67.4	50-200		12/21/22 13:29
M8PFOS	98.5	50-200		12/21/22 13:29
M9PFNA	59.0	50-200		12/21/22 13:29
MPFDoA	75.0	50-200		12/21/22 13:29

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 2N-50 | Sampled: 12/8/2022 10:27

Sample ID: 22L1422-13

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)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:36	DRL

Surrogates	% Recovery		Recovery Limits	Flag/Qual	
M2-4:2FTS	56.6		50-200		12/21/22 13:36
M2-8:2FTS	67.2		50-200		12/21/22 13:36
MPFBA	65.0		50-200		12/21/22 13:36
M3HFPO-DA	**45.6**	*	50-200	S-29	12/21/22 13:36
M6PFDA	59.1		50-200		12/21/22 13:36
M3PFBS	90.4		50-200		12/21/22 13:36
M7PFUnA	60.3		50-200		12/21/22 13:36
M2-6:2FTS	69.3		50-200		12/21/22 13:36
M5PFPeA	62.4		50-200		12/21/22 13:36
M5PFHxA	59.1		50-200		12/21/22 13:36
M3PFHxS	89.3		50-200		12/21/22 13:36
M4PFHpA	56.7		50-200		12/21/22 13:36
M8PFOA	57.8		50-200		12/21/22 13:36
M8PFOS	91.9		50-200		12/21/22 13:36
M9PFNA	51.4		50-200		12/21/22 13:36
MPFDoA	63.5		50-200		12/21/22 13:36

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 2N-75 | Sampled: 12/8/2022 10:28

Sample ID: 22L1422-14

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)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/15/22	12/21/22 13:43	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	64.4	50-200		12/21/22 13:43
M2-8:2FTS	76.3	50-200		12/21/22 13:43
MPFBA	78.8	50-200		12/21/22 13:43
M3HFPO-DA	68.1	50-200		12/21/22 13:43
M6PFDA	85.4	50-200		12/21/22 13:43
M3PFBS	91.3	50-200		12/21/22 13:43
M7PFUnA	79.5	50-200		12/21/22 13:43
M2-6:2FTS	73.0	50-200		12/21/22 13:43
M5PFPeA	78.7	50-200		12/21/22 13:43
M5PFHxA	76.9	50-200		12/21/22 13:43
M3PFHxS	92.5	50-200		12/21/22 13:43
M4PFHpA	81.3	50-200		12/21/22 13:43
M8PFOA	83.9	50-200		12/21/22 13:43
M8PFOS	95.1	50-200		12/21/22 13:43
M9PFNA	82.6	50-200		12/21/22 13:43
MPFDoA	82.8	50-200		12/21/22 13:43

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 2POST | Sampled: 12/8/2022 10:30

Sample ID: 22L1422-15

Sample Matrix: Drinking Water

Sample Flags: Z-01

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	12/13/22	12/20/22 14:22	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	20	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:22	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	64.4	50-200		12/20/22 14:22
M2-8:2FTS	70.8	50-200		12/20/22 14:22
MPFBA	82.2	50-200		12/20/22 14:22
M3HFPO-DA	72.8	50-200		12/20/22 14:22
M6PFDA	89.9	50-200		12/20/22 14:22
M3PFBS	104	50-200		12/20/22 14:22
M7PFUnA	95.6	50-200		12/20/22 14:22
M2-6:2FTS	69.9	50-200		12/20/22 14:22
M5PFPeA	81.6	50-200		12/20/22 14:22
M5PFHxA	87.6	50-200		12/20/22 14:22
M3PFHxS	99.9	50-200		12/20/22 14:22
M4PFHpA	84.5	50-200		12/20/22 14:22
M8PFOA	85.8	50-200		12/20/22 14:22
M8PFOS	106	50-200		12/20/22 14:22
M9PFNA	84.7	50-200		12/20/22 14:22
MPFDoA	96.7	50-200		12/20/22 14:22

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 2S-25 | Sampled: 12/8/2022 10:29

Sample ID: 22L1422-16

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)	5.8	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluorobutanesulfonic acid (PFBS)	2.3	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluoropentanoic acid (PFPeA)	7.0	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluorohexanoic acid (PFHxA)	4.1	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluorohexanesulfonic acid (PFHxS)	2.9	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluoroheptanoic acid (PFHpA)	2.0	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluorooctanoic acid (PFOA)	2.7	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluorooctanesulfonic acid (PFOS)	2.3	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:29	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	71.4	50-200		12/20/22 14:29
M2-8:2FTS	75.7	50-200		12/20/22 14:29
MPFBA	102	50-200		12/20/22 14:29
M3HFPO-DA	89.8	50-200		12/20/22 14:29
M6PFDA	101	50-200		12/20/22 14:29
M3PFBS	109	50-200		12/20/22 14:29
M7PFUnA	102	50-200		12/20/22 14:29
M2-6:2FTS	84.2	50-200		12/20/22 14:29
M5PFPeA	110	50-200		12/20/22 14:29
M5PFHxA	99.5	50-200		12/20/22 14:29
M3PFHxS	105	50-200		12/20/22 14:29
M4PFHpA	98.6	50-200		12/20/22 14:29
M8PFOA	98.2	50-200		12/20/22 14:29
M8PFOS	112	50-200		12/20/22 14:29
M9PFNA	95.9	50-200		12/20/22 14:29
MPFDoA	96.6	50-200		12/20/22 14:29

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 2S-50 | Sampled: 12/8/2022 10:31

Sample ID: 22L1422-17

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)	5.1	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluoropentanoic acid (PFPeA)	5.8	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluorohexanoic acid (PFHxA)	2.9	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 14:36	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	64.1	50-200		12/20/22 14:36
M2-8:2FTS	80.5	50-200		12/20/22 14:36
MPFBA	97.4	50-200		12/20/22 14:36
M3HFPO-DA	73.8	50-200		12/20/22 14:36
M6PFDA	90.9	50-200		12/20/22 14:36
M3PFBS	98.8	50-200		12/20/22 14:36
M7PFUnA	86.2	50-200		12/20/22 14:36
M2-6:2FTS	70.7	50-200		12/20/22 14:36
M5PFPeA	102	50-200		12/20/22 14:36
M5PFHxA	94.0	50-200		12/20/22 14:36
M3PFHxS	92.6	50-200		12/20/22 14:36
M4PFHpA	91.9	50-200		12/20/22 14:36
M8PFOA	91.8	50-200		12/20/22 14:36
M8PFOS	97.9	50-200		12/20/22 14:36
M9PFNA	80.6	50-200		12/20/22 14:36
MPFDoA	85.6	50-200		12/20/22 14:36

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 2S-75 | Sampled: 12/8/2022 10:34

Sample ID: 22L1422-18

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)	4.2	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluoropentanoic acid (PFPeA)	4.2	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:44	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	65.5	50-200		12/20/22 14:44
M2-8:2FTS	76.3	50-200		12/20/22 14:44
MPFBA	98.9	50-200		12/20/22 14:44
M3HFPO-DA	73.7	50-200		12/20/22 14:44
M6PFDA	102	50-200		12/20/22 14:44
M3PFBS	105	50-200		12/20/22 14:44
M7PFUnA	104	50-200		12/20/22 14:44
M2-6:2FTS	69.9	50-200		12/20/22 14:44
M5PFPeA	103	50-200		12/20/22 14:44
M5PFHxA	96.5	50-200		12/20/22 14:44
M3PFHxS	104	50-200		12/20/22 14:44
M4PFHpA	95.7	50-200		12/20/22 14:44
M8PFOA	97.7	50-200		12/20/22 14:44
M8PFOS	102	50-200		12/20/22 14:44
M9PFNA	90.5	50-200		12/20/22 14:44
MPFDoA	105	50-200		12/20/22 14:44

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 2MID | Sampled: 12/8/2022 10:40

Sample ID: 22L1422-19

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)	4.5	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluoropentanoic acid (PFPeA)	4.0	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluorohexanoic acid (PFHxA)	1.8	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 14:51	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	66.1	50-200		12/20/22 14:51
M2-8:2FTS	77.4	50-200		12/20/22 14:51
MPFBA	92.0	50-200		12/20/22 14:51
M3HFPO-DA	72.2	50-200		12/20/22 14:51
M6PFDA	81.2	50-200		12/20/22 14:51
M3PFBS	109	50-200		12/20/22 14:51
M7PFUnA	92.4	50-200		12/20/22 14:51
M2-6:2FTS	77.8	50-200		12/20/22 14:51
M5PFPeA	95.4	50-200		12/20/22 14:51
M5PFHxA	84.2	50-200		12/20/22 14:51
M3PFHxS	103	50-200		12/20/22 14:51
M4PFHpA	82.8	50-200		12/20/22 14:51
M8PFOA	79.7	50-200		12/20/22 14:51
M8PFOS	109	50-200		12/20/22 14:51
M9PFNA	83.4	50-200		12/20/22 14:51
MPFDoA	95.7	50-200		12/20/22 14:51

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 3N-25 | Sampled: 12/8/2022 10:45

Sample ID: 22L1422-20

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)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluoropentanoic acid (PFPeA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluorohexanoic acid (PFHxA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
11Cl-PF3OUdS (F53B Major)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
9Cl-PF3ONS (F53B Minor)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluorodecanoic acid (PFDA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluorododecanoic acid (PFDoA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluoroundecanoic acid (PFUnA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluoroheptanoic acid (PFHpA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluorooctanoic acid (PFOA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL
Perfluorononanoic acid (PFNA)	ND	2.1		ng/L	1		EPA 533	12/13/22	12/20/22 14:58	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	54.6	50-200		12/20/22 14:58
M2-8:2FTS	63.9	50-200		12/20/22 14:58
MPFBA	88.9	50-200		12/20/22 14:58
M3HFPO-DA	91.2	50-200		12/20/22 14:58
M6PFDA	101	50-200		12/20/22 14:58
M3PFBS	93.7	50-200		12/20/22 14:58
M7PFUnA	96.4	50-200		12/20/22 14:58
M2-6:2FTS	63.7	50-200		12/20/22 14:58
M5PFPeA	88.1	50-200		12/20/22 14:58
M5PFHxA	91.8	50-200		12/20/22 14:58
M3PFHxS	88.7	50-200		12/20/22 14:58
M4PFHpA	95.0	50-200		12/20/22 14:58
M8PFOA	95.9	50-200		12/20/22 14:58
M8PFOS	90.7	50-200		12/20/22 14:58
M9PFNA	91.4	50-200		12/20/22 14:58
MPFDoA	90.5	50-200		12/20/22 14:58

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 3N-50 | Sampled: 12/8/2022 10:47

Sample ID: 22L1422-21

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)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluoropentanoic acid (PFPeA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluorohexanoic acid (PFHxA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:05	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	63.7	50-200		12/20/22 15:05
M2-8:2FTS	68.5	50-200		12/20/22 15:05
MPFBA	85.5	50-200		12/20/22 15:05
M3HFPO-DA	67.2	50-200		12/20/22 15:05
M6PFDA	95.6	50-200		12/20/22 15:05
M3PFBS	106	50-200		12/20/22 15:05
M7PFUnA	94.4	50-200		12/20/22 15:05
M2-6:2FTS	67.3	50-200		12/20/22 15:05
M5PFPeA	83.7	50-200		12/20/22 15:05
M5PFHxA	88.4	50-200		12/20/22 15:05
M3PFHxS	101	50-200		12/20/22 15:05
M4PFHpA	88.6	50-200		12/20/22 15:05
M8PFOA	82.2	50-200		12/20/22 15:05
M8PFOS	102	50-200		12/20/22 15:05
M9PFNA	83.8	50-200		12/20/22 15:05
MPFDoA	101	50-200		12/20/22 15:05

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 3N-75 | Sampled: 12/8/2022 10:49

Sample ID: 22L1422-22

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)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:12	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	61.6	50-200		12/20/22 15:12
M2-8:2FTS	69.8	50-200		12/20/22 15:12
MPFBA	84.0	50-200		12/20/22 15:12
M3HFPO-DA	76.9	50-200		12/20/22 15:12
M6PFDA	87.0	50-200		12/20/22 15:12
M3PFBS	102	50-200		12/20/22 15:12
M7PFUnA	92.5	50-200		12/20/22 15:12
M2-6:2FTS	67.6	50-200		12/20/22 15:12
M5PFPeA	83.3	50-200		12/20/22 15:12
M5PFHxA	86.5	50-200		12/20/22 15:12
M3PFHxS	99.0	50-200		12/20/22 15:12
M4PFHpA	86.8	50-200		12/20/22 15:12
M8PFOA	85.1	50-200		12/20/22 15:12
M8PFOS	104	50-200		12/20/22 15:12
M9PFNA	83.5	50-200		12/20/22 15:12
MPFDoA	94.7	50-200		12/20/22 15:12

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 3POST | Sampled: 12/8/2022 10:50

Sample ID: 22L1422-23

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	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:34	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	65.9	50-200		12/20/22 15:34
M2-8:2FTS	74.9	50-200		12/20/22 15:34
MPFBA	88.6	50-200		12/20/22 15:34
M3HFPO-DA	95.0	50-200		12/20/22 15:34
M6PFDA	98.3	50-200		12/20/22 15:34
M3PFBS	100	50-200		12/20/22 15:34
M7PFUnA	93.6	50-200		12/20/22 15:34
M2-6:2FTS	73.2	50-200		12/20/22 15:34
M5PFPeA	89.5	50-200		12/20/22 15:34
M5PFHxA	93.7	50-200		12/20/22 15:34
M3PFHxS	97.8	50-200		12/20/22 15:34
M4PFHpA	93.2	50-200		12/20/22 15:34
M8PFOA	92.1	50-200		12/20/22 15:34
M8PFOS	96.0	50-200		12/20/22 15:34
M9PFNA	92.3	50-200		12/20/22 15:34
MPFDoA	107	50-200		12/20/22 15:34

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 3S-25 | Sampled: 12/8/2022 10:56

Sample ID: 22L1422-24

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)	5.5	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluorobutanesulfonic acid (PFBS)	2.2	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluoropentanoic acid (PFPeA)	6.2	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluorohexanoic acid (PFHxA)	3.5	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluorohexanesulfonic acid (PFHxS)	3.0	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluorooctanoic acid (PFOA)	2.5	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluorooctanesulfonic acid (PFOS)	2.3	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:42	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	72.1	50-200		12/20/22 15:42
M2-8:2FTS	77.4	50-200		12/20/22 15:42
MPFBA	101	50-200		12/20/22 15:42
M3HFPO-DA	95.3	50-200		12/20/22 15:42
M6PFDA	106	50-200		12/20/22 15:42
M3PFBS	106	50-200		12/20/22 15:42
M7PFUnA	103	50-200		12/20/22 15:42
M2-6:2FTS	80.2	50-200		12/20/22 15:42
M5PFPeA	110	50-200		12/20/22 15:42
M5PFHxA	101	50-200		12/20/22 15:42
M3PFHxS	103	50-200		12/20/22 15:42
M4PFHpA	103	50-200		12/20/22 15:42
M8PFOA	106	50-200		12/20/22 15:42
M8PFOS	99.3	50-200		12/20/22 15:42
M9PFNA	97.9	50-200		12/20/22 15:42
MPFDoA	101	50-200		12/20/22 15:42

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 3S-50 | Sampled: 12/8/2022 10:58

Sample ID: 22L1422-25

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)	5.4	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluorobutanesulfonic acid (PFBS)	1.9	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluoropentanoic acid (PFPeA)	6.0	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluorohexanoic acid (PFHxA)	3.2	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 15:49	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	70.7	50-200		12/20/22 15:49
M2-8:2FTS	80.2	50-200		12/20/22 15:49
MPFBA	98.2	50-200		12/20/22 15:49
M3HFPO-DA	92.9	50-200		12/20/22 15:49
M6PFDA	98.6	50-200		12/20/22 15:49
M3PFBS	113	50-200		12/20/22 15:49
M7PFUnA	99.1	50-200		12/20/22 15:49
M2-6:2FTS	84.2	50-200		12/20/22 15:49
M5PFPeA	103	50-200		12/20/22 15:49
M5PFHxA	99.0	50-200		12/20/22 15:49
M3PFHxS	110	50-200		12/20/22 15:49
M4PFHpA	98.2	50-200		12/20/22 15:49
M8PFOA	95.1	50-200		12/20/22 15:49
M8PFOS	109	50-200		12/20/22 15:49
M9PFNA	87.5	50-200		12/20/22 15:49
MPFDoA	100	50-200		12/20/22 15:49

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 3S-75 | Sampled: 12/8/2022 11:00

Sample ID: 22L1422-26

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)	5.0	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluoropentanoic acid (PFPeA)	5.0	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluorohexanoic acid (PFHxA)	2.2	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
11Cl-PF3OUdS (F53B Major)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
9Cl-PF3ONS (F53B Minor)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluorodecanoic acid (PFDA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluorododecanoic acid (PFDoA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluoroundecanoic acid (PFUnA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluoroheptanoic acid (PFHpA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluorooctanoic acid (PFOA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL
Perfluorononanoic acid (PFNA)	ND	2.0		ng/L	1		EPA 533	12/13/22	12/20/22 15:56	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	71.0	50-200		12/20/22 15:56
M2-8:2FTS	84.7	50-200		12/20/22 15:56
MPFBA	104	50-200		12/20/22 15:56
M3HFPO-DA	89.6	50-200		12/20/22 15:56
M6PFDA	96.6	50-200		12/20/22 15:56
M3PFBS	116	50-200		12/20/22 15:56
M7PFUnA	111	50-200		12/20/22 15:56
M2-6:2FTS	82.6	50-200		12/20/22 15:56
M5PFPeA	105	50-200		12/20/22 15:56
M5PFHxA	105	50-200		12/20/22 15:56
M3PFHxS	113	50-200		12/20/22 15:56
M4PFHpA	102	50-200		12/20/22 15:56
M8PFOA	110	50-200		12/20/22 15:56
M8PFOS	112	50-200		12/20/22 15:56
M9PFNA	101	50-200		12/20/22 15:56
MPFDoA	106	50-200		12/20/22 15:56

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 3MID | Sampled: 12/8/2022 11:02

Sample ID: 22L1422-27

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)	4.1	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluoropentanoic acid (PFPeA)	3.9	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluorohexanoic acid (PFHxA)	1.9	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	1.7	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluorooctanoic acid (PFOA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L	1		EPA 533	12/13/22	12/20/22 16:03	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	81.6	50-200		12/20/22 16:03
M2-8:2FTS	97.2	50-200		12/20/22 16:03
MPFBA	120	50-200		12/20/22 16:03
M3HFPO-DA	89.6	50-200		12/20/22 16:03
M6PFDA	112	50-200		12/20/22 16:03
M3PFBS	130	50-200		12/20/22 16:03
M7PFUnA	117	50-200		12/20/22 16:03
M2-6:2FTS	126	50-200		12/20/22 16:03
M5PFPeA	125	50-200		12/20/22 16:03
M5PFHxA	113	50-200		12/20/22 16:03
M3PFHxS	125	50-200		12/20/22 16:03
M4PFHpA	115	50-200		12/20/22 16:03
M8PFOA	113	50-200		12/20/22 16:03
M8PFOS	126	50-200		12/20/22 16:03
M9PFNA	105	50-200		12/20/22 16:03
MPFDoA	111	50-200		12/20/22 16:03

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 1RAW | Sampled: 12/8/2022 11:26

Sample ID: 22L1422-28

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)	6.1	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluorobutanesulfonic acid (PFBS)	3.9	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluorohexanesulfonic acid (PFHxS)	3.9	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluorooctanoic acid (PFOA)	3.2	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluorooctanesulfonic acid (PFOS)	3.4	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:10	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	73.1	50-200		12/20/22 16:10
M2-8:2FTS	87.5	50-200		12/20/22 16:10
MPFBA	103	50-200		12/20/22 16:10
M3HFPO-DA	86.3	50-200		12/20/22 16:10
M6PFDA	99.6	50-200		12/20/22 16:10
M3PFBS	106	50-200		12/20/22 16:10
M7PFUnA	106	50-200		12/20/22 16:10
M2-6:2FTS	78.8	50-200		12/20/22 16:10
M5PFPeA	113	50-200		12/20/22 16:10
M5PFHxA	103	50-200		12/20/22 16:10
M3PFHxS	103	50-200		12/20/22 16:10
M4PFHpA	97.4	50-200		12/20/22 16:10
M8PFOA	97.7	50-200		12/20/22 16:10
M8PFOS	103	50-200		12/20/22 16:10
M9PFNA	95.1	50-200		12/20/22 16:10
MPFDoA	102	50-200		12/20/22 16:10

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 2RAW | Sampled: 12/8/2022 11:18

Sample ID: 22L1422-29

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)	5.9	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluorobutanesulfonic acid (PFBS)	2.8	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluoropentanoic acid (PFPeA)	6.2	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluorohexanoic acid (PFHxA)	3.8	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluorohexanesulfonic acid (PFHxS)	5.1	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluoroheptanoic acid (PFHpA)	2.2	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluorooctanoic acid (PFOA)	4.2	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluorooctanesulfonic acid (PFOS)	4.3	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:18	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	87.7	50-200		12/20/22 16:18
M2-8:2FTS	92.5	50-200		12/20/22 16:18
MPFBA	108	50-200		12/20/22 16:18
M3HFPO-DA	90.2	50-200		12/20/22 16:18
M6PFDA	113	50-200		12/20/22 16:18
M3PFBS	120	50-200		12/20/22 16:18
M7PFUnA	122	50-200		12/20/22 16:18
M2-6:2FTS	110	50-200		12/20/22 16:18
M5PFPeA	120	50-200		12/20/22 16:18
M5PFHxA	110	50-200		12/20/22 16:18
M3PFHxS	118	50-200		12/20/22 16:18
M4PFHpA	110	50-200		12/20/22 16:18
M8PFOA	105	50-200		12/20/22 16:18
M8PFOS	122	50-200		12/20/22 16:18
M9PFNA	102	50-200		12/20/22 16:18
MPFDoA	108	50-200		12/20/22 16:18

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- 3RAW | Sampled: 12/8/2022 11:38

Sample ID: 22L1422-30

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)	5.8	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluorobutanesulfonic acid (PFBS)	4.0	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluoropentanoic acid (PFPeA)	11	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluorohexanoic acid (PFHxA)	7.9	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluorohexanesulfonic acid (PFHxS)	7.1	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluoroheptanoic acid (PFHpA)	4.1	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluorooctanoic acid (PFOA)	5.2	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluorooctanesulfonic acid (PFOS)	9.9	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L	1		EPA 533	12/13/22	12/20/22 16:25	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	90.0	50-200		12/20/22 16:25
M2-8:2FTS	85.2	50-200		12/20/22 16:25
MPFBA	103	50-200		12/20/22 16:25
M3HFPO-DA	89.3	50-200		12/20/22 16:25
M6PFDA	99.3	50-200		12/20/22 16:25
M3PFBS	109	50-200		12/20/22 16:25
M7PFUnA	103	50-200		12/20/22 16:25
M2-6:2FTS	93.0	50-200		12/20/22 16:25
M5PFPeA	123	50-200		12/20/22 16:25
M5PFHxA	102	50-200		12/20/22 16:25
M3PFHxS	103	50-200		12/20/22 16:25
M4PFHpA	99.4	50-200		12/20/22 16:25
M8PFOA	101	50-200		12/20/22 16:25
M8PFOS	102	50-200		12/20/22 16:25
M9PFNA	92.6	50-200		12/20/22 16:25
MPFDoA	101	50-200		12/20/22 16:25

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Project Location: New Windsor, NY | Sample Description: | Work Order: 22L1422

Date Received: 12/9/2022

Field Sample #: BH20221208- FRB | Sampled: 12/8/2022 09:34

Sample ID: 22L1422-31

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)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluorobutanesulfonic acid (PFBS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluoropentanoic acid (PFPeA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluorohexanoic acid (PFHxA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
11Cl-PF3OUdS (F53B Major)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
9Cl-PF3ONS (F53B Minor)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
8:2 Fluorotelomersulfonic acid (8:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluorodecanoic acid (PFDA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluorododecanoic acid (PFDoA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
4:2 Fluorotelomersulfonic acid (4:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluorohexanesulfonic acid (PFHxS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
6:2 Fluorotelomersulfonic acid (6:2FTSA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluoropetanesulfonic acid (PFPeS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluoroundecanoic acid (PFUnA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluoroheptanoic acid (PFHpA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluorooctanoic acid (PFOA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluorooctanesulfonic acid (PFOS)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL
Perfluorononanoic acid (PFNA)	ND	1.9		ng/L	1		EPA 533	12/13/22	12/20/22 16:32	DRL

Surrogates	% Recovery	Recovery Limits	Flag/Qual	
M2-4:2FTS	71.5	50-200		12/20/22 16:32
M2-8:2FTS	76.4	50-200		12/20/22 16:32
MPFBA	100	50-200		12/20/22 16:32
M3HFPO-DA	94.6	50-200		12/20/22 16:32
M6PFDA	101	50-200		12/20/22 16:32
M3PFBS	96.5	50-200		12/20/22 16:32
M7PFUnA	93.4	50-200		12/20/22 16:32
M2-6:2FTS	70.6	50-200		12/20/22 16:32
M5PFPeA	97.4	50-200		12/20/22 16:32
M5PFHxA	99.6	50-200		12/20/22 16:32
M3PFHxS	93.4	50-200		12/20/22 16:32
M4PFHpA	100	50-200		12/20/22 16:32
M8PFOA	96.9	50-200		12/20/22 16:32
M8PFOS	91.4	50-200		12/20/22 16:32
M9PFNA	91.2	50-200		12/20/22 16:32
MPFDoA	87.3	50-200		12/20/22 16:32

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Sample Extraction Data

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22L1422-15 [BH20221208- 2POST]	B325409	274	1.00	12/13/22
22L1422-16 [BH20221208- 2S-25]	B325409	246	1.00	12/13/22
22L1422-17 [BH20221208- 2S-50]	B325409	253	1.00	12/13/22
22L1422-18 [BH20221208- 2S-75]	B325409	272	1.00	12/13/22
22L1422-19 [BH20221208- 2MID]	B325409	280	1.00	12/13/22
22L1422-20 [BH20221208- 3N-25]	B325409	243	1.00	12/13/22
22L1422-21 [BH20221208- 3N-50]	B325409	251	1.00	12/13/22
22L1422-22 [BH20221208- 3N-75]	B325409	266	1.00	12/13/22
22L1422-23 [BH20221208- 3POST]	B325409	264	1.00	12/13/22
22L1422-24 [BH20221208- 3S-25]	B325409	253	1.00	12/13/22
22L1422-25 [BH20221208- 3S-50]	B325409	257	1.00	12/13/22
22L1422-26 [BH20221208- 3S-75]	B325409	246	1.00	12/13/22
22L1422-27 [BH20221208- 3MID]	B325409	287	1.00	12/13/22
22L1422-28 [BH20221208- 1RAW]	B325409	278	1.00	12/13/22
22L1422-29 [BH20221208- 2RAW]	B325409	281	1.00	12/13/22
22L1422-30 [BH20221208- 3RAW]	B325409	282	1.00	12/13/22
22L1422-31 [BH20221208- FRB]	B325409	264	1.00	12/13/22

Prep Method: EPA 533-EPA 533

Lab Number [Field ID]	Batch	Initial [mL]	Final [mL]	Date
22L1422-01 [BH20221208 PRE-GAC]	B325410	262	1.00	12/15/22
22L1422-02 [BH20221208 POST- GAC]	B325410	276	1.00	12/15/22
22L1422-03 [BH20221208 POST-GAC DUP]	B325410	275	1.00	12/15/22
22L1422-04 [BH20221208- IN-25]	B325410	263	1.00	12/15/22
22L1422-05 [BH20221208- IN-50]	B325410	252	1.00	12/15/22
22L1422-06 [BH20221208- IN-75]	B325410	268	1.00	12/15/22
22L1422-07 [BH20221208- 1MID]	B325410	277	1.00	12/15/22
22L1422-08 [BH20221208- 1S-25]	B325410	261	1.00	12/15/22
22L1422-09 [BH20221208- 1S-50]	B325410	257	1.00	12/15/22
22L1422-10 [BH20221208- 1S-75]	B325410	260	1.00	12/15/22
22L1422-11 [BH20221208- 1POST]	B325410	271	1.00	12/15/22
22L1422-12 [BH20221208- 2N-25]	B325410	271	1.00	12/15/22
22L1422-13 [BH20221208- 2N-50]	B325410	259	1.00	12/15/22
22L1422-14 [BH20221208- 2N-75]	B325410	257	1.00	12/15/22

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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 B325409 - EPA 533											
Blank (B325409-BLK1)					Prepared: 12/13/22 Analyzed: 12/20/22						
Perfluorobutanoic acid (PFBA)	ND	1.8		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L							
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L							
Surrogate: M2-4:2FTS	*25.1*			ng/L	33.2		75.7	50-200			
Surrogate: M2-8:2FTS	*27.4*			ng/L	34.0		80.7	50-200			
Surrogate: MPFBA	*34.9*			ng/L	35.4		98.5	50-200			
Surrogate: M3HFPO-DA	*28.9*			ng/L	35.4		81.6	50-200			
Surrogate: M6PFDA	*36.2*			ng/L	35.4		102	50-200			
Surrogate: M3PFBS	*32.4*			ng/L	33.0		98.2	50-200			
Surrogate: M7PFUnA	*32.5*			ng/L	35.4		91.7	50-200			
Surrogate: M2-6:2FTS	*28.9*			ng/L	33.7		85.8	50-200			
Surrogate: M5PFPeA	*34.2*			ng/L	35.4		96.7	50-200			
Surrogate: M5PFHxA	*32.8*			ng/L	35.4		92.5	50-200			
Surrogate: M3PFHxS	*32.0*			ng/L	33.6		95.3	50-200			
Surrogate: M4PFHpA	*33.3*			ng/L	35.4		94.1	50-200			
Surrogate: M8PFOA	*33.2*			ng/L	35.4		93.9	50-200			
Surrogate: M8PFOS	*31.2*			ng/L	34.0		91.9	50-200			
Surrogate: M9PFNA	*32.7*			ng/L	35.4		92.2	50-200			
Surrogate: MPFDoA	*32.5*			ng/L	35.4		91.7	50-200			
LCS (B325409-BS1)					Prepared: 12/13/22 Analyzed: 12/20/22						
Perfluorobutanoic acid (PFBA)	1.45	1.8		ng/L	1.79		81.2	50-150			
Perfluorobutanesulfonic acid (PFBS)	1.41	1.8		ng/L	1.58		88.9	50-150			
Perfluoropentanoic acid (PFPeA)	1.55	1.8		ng/L	1.79		86.5	50-150			
Perfluorohexanoic acid (PFHxA)	1.63	1.8		ng/L	1.79		91.0	50-150			
11Cl-PF3OUdS (F53B Major)	1.45	1.8		ng/L	1.68		86.3	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 B325409 - EPA 533											
LCS (B325409-BS1)					Prepared: 12/13/22 Analyzed: 12/20/22						
9Cl-PF3ONS (F53B Minor)	1.36	1.8		ng/L	1.66		81.9	50-150			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	1.24	1.8		ng/L	1.68		73.9	50-150			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	1.76	1.8		ng/L	1.79		98.5	50-150			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	1.73	1.8		ng/L	1.71		101	50-150			
Perfluorodecanoic acid (PFDA)	1.57	1.8		ng/L	1.79		87.8	50-150			
Perfluorododecanoic acid (PFDoA)	1.53	1.8		ng/L	1.79		85.5	50-150			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	1.51	1.8		ng/L	1.59		94.7	50-150			
Perfluoroheptanesulfonic acid (PFHpS)	1.37	1.8		ng/L	1.71		80.4	50-150			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	1.46	1.8		ng/L	1.67		87.3	50-150			
Perfluorohexanesulfonic acid (PFHxS)	1.33	1.8		ng/L	1.63		81.6	50-150			
Perfluoro-4-oxapentanoic acid (PFMPA)	1.46	1.8		ng/L	1.79		81.7	50-150			
Perfluoro-5-oxahexanoic acid (PFMBA)	1.66	1.8		ng/L	1.79		92.8	50-150			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	1.47	1.8		ng/L	1.70		86.8	50-150			
Perfluoropetanesulfonic acid (PFPeS)	1.26	1.8		ng/L	1.68		75.2	50-150			
Perfluoroundecanoic acid (PFUnA)	1.68	1.8		ng/L	1.79		94.2	50-150			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	1.45	1.8		ng/L	1.79		81.2	50-150			
Perfluoroheptanoic acid (PFHpA)	1.64	1.8		ng/L	1.79		91.7	50-150			
Perfluorooctanoic acid (PFOA)	1.63	1.8		ng/L	1.79		91.5	50-150			
Perfluorooctanesulfonic acid (PFOS)	1.45	1.8		ng/L	1.65		87.7	50-150			
Perfluorononanoic acid (PFNA)	1.66	1.8		ng/L	1.79		93.0	50-150			
Surrogate: M2-4:2FTS	*23.4*			ng/L	33.5		69.8	50-200			
Surrogate: M2-8:2FTS	*22.2*			ng/L	34.3		64.7	50-200			
Surrogate: MPFBA	*33.3*			ng/L	35.7		93.1	50-200			
Surrogate: M3HFPO-DA	*28.9*			ng/L	35.7		81.0	50-200			
Surrogate: M6PFDA	*32.7*			ng/L	35.7		91.6	50-200			
Surrogate: M3PFBS	*30.7*			ng/L	33.3		92.2	50-200			
Surrogate: M7PFUnA	*34.4*			ng/L	35.7		96.4	50-200			
Surrogate: M2-6:2FTS	*25.6*			ng/L	34.0		75.4	50-200			
Surrogate: M5PFPeA	*32.8*			ng/L	35.7		91.7	50-200			
Surrogate: M5PFHxA	*33.4*			ng/L	35.7		93.4	50-200			
Surrogate: M3PFHxS	*30.5*			ng/L	33.9		90.0	50-200			
Surrogate: M4PFHpA	*34.3*			ng/L	35.7		96.0	50-200			
Surrogate: M8PFOA	*33.4*			ng/L	35.7		93.5	50-200			
Surrogate: M8PFOS	*29.6*			ng/L	34.3		86.3	50-200			
Surrogate: M9PFNA	*31.5*			ng/L	35.7		88.3	50-200			
Surrogate: MPFDoA	*33.5*			ng/L	35.7		93.7	50-200			
Batch B325410 - EPA 533											
Blank (B325410-BLK1)					Prepared: 12/15/22 Analyzed: 12/21/22						
Perfluorobutanoic acid (PFBA)	ND	1.8		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.8		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.8		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.8		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.8		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.8		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.8		ng/L							

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B325410 - EPA 533											
Blank (B325410-BLK1)					Prepared: 12/15/22 Analyzed: 12/21/22						
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.8		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.8		ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.8		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.8		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.8		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.8		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.8		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.8		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.8		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.8		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.8		ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	1.8		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.8		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.8		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.8		ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.8		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.8		ng/L							
Perfluorononanoic acid (PFNA)	ND	1.8		ng/L							
Surrogate: M2-4:2FTS	*28.3*			ng/L	33.3		84.9	50-200			
Surrogate: M2-8:2FTS	*30.5*			ng/L	34.1		89.5	50-200			
Surrogate: MPFBA	*28.6*			ng/L	35.5		80.5	50-200			
Surrogate: M3HFPO-DA	*22.5*			ng/L	35.5		63.4	50-200			
Surrogate: M6PFDA	*31.7*			ng/L	35.5		89.3	50-200			
Surrogate: M3PFBS	*29.5*			ng/L	33.1		89.2	50-200			
Surrogate: M7PFUnA	*31.7*			ng/L	35.5		89.2	50-200			
Surrogate: M2-6:2FTS	*33.1*			ng/L	33.8		98.2	50-200			
Surrogate: M5PFPeA	*28.6*			ng/L	35.5		80.4	50-200			
Surrogate: M5PFHxA	*28.5*			ng/L	35.5		80.2	50-200			
Surrogate: M3PFHxS	*29.9*			ng/L	33.6		88.8	50-200			
Surrogate: M4PFHpA	*29.4*			ng/L	35.5		82.7	50-200			
Surrogate: M8PFOA	*30.2*			ng/L	35.5		85.0	50-200			
Surrogate: M8PFOS	*31.1*			ng/L	34.0		91.4	50-200			
Surrogate: M9PFNA	*28.4*			ng/L	35.5		80.0	50-200			
Surrogate: MPFDoA	*33.0*			ng/L	35.5		93.1	50-200			
LCS (B325410-BS1)					Prepared: 12/15/22 Analyzed: 12/21/22						
Perfluorobutanoic acid (PFBA)	8.39	1.8		ng/L	8.89		94.4	70-130			
Perfluorobutanesulfonic acid (PFBS)	7.83	1.8		ng/L	7.87		99.5	70-130			
Perfluoropentanoic acid (PFPeA)	8.65	1.8		ng/L	8.89		97.4	70-130			
Perfluorohexanoic acid (PFHxA)	8.99	1.8		ng/L	8.89		101	70-130			
11Cl-PF3OUdS (F53B Major)	7.24	1.8		ng/L	8.37		86.5	70-130			
9Cl-PF3ONS (F53B Minor)	7.29	1.8		ng/L	8.28		88.0	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.92	1.8		ng/L	8.37		82.6	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	9.93	1.8		ng/L	8.89		112	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	7.77	1.8		ng/L	8.53		91.1	70-130			
Perfluorodecanoic acid (PFDA)	8.95	1.8		ng/L	8.89		101	70-130			
Perfluorododecanoic acid (PFDoA)	8.55	1.8		ng/L	8.89		96.3	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 B325410 - EPA 533											
LCS (B325410-BS1)					Prepared: 12/15/22 Analyzed: 12/21/22						
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.26	1.8		ng/L	7.91		104	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	8.41	1.8		ng/L	8.49		99.1	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.41	1.8		ng/L	8.31		101	70-130			
Perfluorohexanesulfonic acid (PFHxS)	7.44	1.8		ng/L	8.13		91.5	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	7.91	1.8		ng/L	8.89		89.0	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	9.00	1.8		ng/L	8.89		101	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	7.76	1.8		ng/L	8.44		92.0	70-130			
Perfluoropetanesulfonic acid (PFPeS)	7.37	1.8		ng/L	8.35		88.2	70-130			
Perfluoroundecanoic acid (PFUnA)	8.14	1.8		ng/L	8.89		91.5	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	7.82	1.8		ng/L	8.89		88.0	70-130			
Perfluoroheptanoic acid (PFHpA)	8.65	1.8		ng/L	8.89		97.4	70-130			
Perfluorooctanoic acid (PFOA)	8.79	1.8		ng/L	8.89		98.9	70-130			
Perfluorooctanesulfonic acid (PFOS)	7.05	1.8		ng/L	8.22		85.8	70-130			
Perfluorononanoic acid (PFNA)	9.07	1.8		ng/L	8.89		102	70-130			
Surrogate: M2-4:2FTS	*29.4*			ng/L	33.3		88.1	50-200			
Surrogate: M2-8:2FTS	*33.4*			ng/L	34.1		97.7	50-200			
Surrogate: MPFBA	*30.5*			ng/L	35.6		85.9	50-200			
Surrogate: M3HFPO-DA	*22.4*			ng/L	35.6		62.9	50-200			
Surrogate: M6PFDA	*31.0*			ng/L	35.6		87.1	50-200			
Surrogate: M3PFBS	*30.7*			ng/L	33.1		92.5	50-200			
Surrogate: M7PFUnA	*31.1*			ng/L	35.6		87.5	50-200			
Surrogate: M2-6:2FTS	*31.2*			ng/L	33.8		92.2	50-200			
Surrogate: M5PFPeA	*30.5*			ng/L	35.6		85.7	50-200			
Surrogate: M5PFHxA	*29.2*			ng/L	35.6		82.2	50-200			
Surrogate: M3PFHxS	*31.2*			ng/L	33.7		92.4	50-200			
Surrogate: M4PFHpA	*29.8*			ng/L	35.6		83.9	50-200			
Surrogate: M8PFOA	*31.0*			ng/L	35.6		87.3	50-200			
Surrogate: M8PFOS	*30.5*			ng/L	34.1		89.6	50-200			
Surrogate: M9PFNA	*29.1*			ng/L	35.6		82.0	50-200			
Surrogate: MPFDoA	*28.3*			ng/L	35.6		79.7	50-200			
Matrix Spike (B325410-MS1)		**Source: 22L1422-02**			Prepared: 12/15/22 Analyzed: 12/21/22						
Perfluorobutanoic acid (PFBA)	7.93	1.8		ng/L	9.19	ND	86.2	70-130			
Perfluorobutanesulfonic acid (PFBS)	7.79	1.8		ng/L	8.14	ND	95.7	70-130			
Perfluoropentanoic acid (PFPeA)	8.55	1.8		ng/L	9.19	ND	93.0	70-130			
Perfluorohexanoic acid (PFHxA)	8.82	1.8		ng/L	9.19	ND	95.9	70-130			
11Cl-PF3OUdS (F53B Major)	6.72	1.8		ng/L	8.66	ND	77.6	70-130			
9Cl-PF3ONS (F53B Minor)	7.51	1.8		ng/L	8.57	ND	87.6	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.60	1.8		ng/L	8.66	ND	76.2	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	8.96	1.8		ng/L	9.19	ND	97.4	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	7.00	1.8		ng/L	8.83	ND	79.3	70-130			
Perfluorodecanoic acid (PFDA)	8.74	1.8		ng/L	9.19	ND	95.0	70-130			
Perfluorododecanoic acid (PFDoA)	8.62	1.8		ng/L	9.19	ND	93.8	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.31	1.8		ng/L	8.18	ND	101	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	8.22	1.8		ng/L	8.78	ND	93.6	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	8.36	1.8		ng/L	8.60	ND	97.3	70-130			
Perfluorohexanesulfonic acid (PFHxS)	8.18	1.8		ng/L	8.41	ND	97.3	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	7.82	1.8		ng/L	9.19	ND	85.0	70-130			

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B325410 - EPA 533											
Matrix Spike (B325410-MS1)	**Source: 22L1422-02**				Prepared: 12/15/22 Analyzed: 12/21/22						
Perfluoro-5-oxahexanoic acid (PFMBA)	8.92	1.8		ng/L	9.19	ND	97.0	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	9.39	1.8		ng/L	8.74	ND	107	70-130			
Perfluoropetanesulfonic acid (PFPeS)	7.93	1.8		ng/L	8.64	ND	91.7	70-130			
Perfluoroundecanoic acid (PFUnA)	9.20	1.8		ng/L	9.19	ND	100	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	7.48	1.8		ng/L	9.19	ND	81.4	70-130			
Perfluoroheptanoic acid (PFHpA)	8.96	1.8		ng/L	9.19	ND	97.4	70-130			
Perfluorooctanoic acid (PFOA)	9.56	1.8		ng/L	9.19	ND	104	70-130			
Perfluorooctanesulfonic acid (PFOS)	7.81	1.8		ng/L	8.51	ND	91.8	70-130			
Perfluorononanoic acid (PFNA)	8.79	1.8		ng/L	9.19	ND	95.6	70-130			
Surrogate: M2-4:2FTS	*23.2*			ng/L	34.5		67.3	50-200			
Surrogate: M2-8:2FTS	*30.3*			ng/L	35.3		85.7	50-200			
Surrogate: MPFBA	*29.6*			ng/L	36.8		80.5	50-200			
Surrogate: M3HFPO-DA	*24.2*			ng/L	36.8		65.7	50-200			
Surrogate: M6PFDA	*32.1*			ng/L	36.8		87.2	50-200			
Surrogate: M3PFBS	*33.9*			ng/L	34.3		98.9	50-200			
Surrogate: M7PFUnA	*31.9*			ng/L	36.8		86.6	50-200			
Surrogate: M2-6:2FTS	*27.2*			ng/L	35.0		77.7	50-200			
Surrogate: M5PFPeA	*29.8*			ng/L	36.8		81.0	50-200			
Surrogate: M5PFHxA	*30.2*			ng/L	36.8		82.1	50-200			
Surrogate: M3PFHxS	*32.5*			ng/L	34.9		93.2	50-200			
Surrogate: M4PFHpA	*30.9*			ng/L	36.8		84.0	50-200			
Surrogate: M8PFOA	*31.9*			ng/L	36.8		86.8	50-200			
Surrogate: M8PFOS	*35.0*			ng/L	35.3		99.3	50-200			
Surrogate: M9PFNA	*30.4*			ng/L	36.8		82.7	50-200			
Surrogate: MPFDoA	*32.6*			ng/L	36.8		88.7	50-200			
Matrix Spike Dup (B325410-MSD1)	**Source: 22L1422-02**				Prepared: 12/15/22 Analyzed: 12/21/22						
Perfluorobutanoic acid (PFBA)	8.68	1.9		ng/L	9.73	ND	89.2	70-130	8.98	30	
Perfluorobutanesulfonic acid (PFBS)	8.40	1.9		ng/L	8.61	ND	97.5	70-130	7.53	30	
Perfluoropentanoic acid (PFPeA)	9.06	1.9		ng/L	9.73	ND	93.1	70-130	5.80	30	
Perfluorohexanoic acid (PFHxA)	9.59	1.9		ng/L	9.73	ND	98.6	70-130	8.39	30	
11Cl-PF3OUdS (F53B Major)	7.47	1.9		ng/L	9.16	ND	81.5	70-130	10.6	30	
9Cl-PF3ONS (F53B Minor)	7.69	1.9		ng/L	9.07	ND	84.8	70-130	2.36	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	6.92	1.9		ng/L	9.16	ND	75.6	70-130	4.83	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	8.86	1.9		ng/L	9.73	ND	91.0	70-130	1.15	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	7.53	1.9		ng/L	9.34	ND	80.6	70-130	7.30	30	
Perfluorodecanoic acid (PFDA)	10.1	1.9		ng/L	9.73	ND	103	70-130	14.0	30	
Perfluorododecanoic acid (PFDoA)	9.07	1.9		ng/L	9.73	ND	93.2	70-130	5.05	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	8.76	1.9		ng/L	8.66	ND	101	70-130	5.31	30	
Perfluoroheptanesulfonic acid (PFHpS)	8.31	1.9		ng/L	9.29	ND	89.4	70-130	1.06	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	9.02	1.9		ng/L	9.10	ND	99.2	70-130	7.59	30	
Perfluorohexanesulfonic acid (PFHxS)	8.40	1.9		ng/L	8.90	ND	94.4	70-130	2.60	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	8.36	1.9		ng/L	9.73	ND	85.9	70-130	6.71	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	9.45	1.9		ng/L	9.73	ND	97.1	70-130	5.75	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	8.92	1.9		ng/L	9.24	ND	96.6	70-130	5.05	30	
Perfluoropetanesulfonic acid (PFPeS)	8.24	1.9		ng/L	9.14	ND	90.1	70-130	3.86	30	
Perfluoroundecanoic acid (PFUnA)	10.0	1.9		ng/L	9.73	ND	103	70-130	8.75	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	7.70	1.9		ng/L	9.73	ND	79.2	70-130	2.86	30	

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B325410 - EPA 533											
Matrix Spike Dup (B325410-MSD1)	**Source: 22L1422-02**				Prepared: 12/15/22 Analyzed: 12/21/22						
Perfluoroheptanoic acid (PFHpA)	9.34	1.9		ng/L	9.73	ND	96.0	70-130	4.16	30	
Perfluorooctanoic acid (PFOA)	9.44	1.9		ng/L	9.73	ND	97.1	70-130	1.24	30	
Perfluorooctanesulfonic acid (PFOS)	7.90	1.9		ng/L	9.00	ND	87.8	70-130	1.14	30	
Perfluorononanoic acid (PFNA)	9.79	1.9		ng/L	9.73	ND	101	70-130	10.8	30	
Surrogate: M2-4:2FTS	*22.2*			ng/L	36.5		60.7	50-200			
Surrogate: M2-8:2FTS	*30.6*			ng/L	37.4		81.8	50-200			
Surrogate: MPFBA	*27.1*			ng/L	38.9		69.7	50-200			
Surrogate: M3HFPO-DA	*22.7*			ng/L	38.9		58.3	50-200			
Surrogate: M6PFDA	*32.2*			ng/L	38.9		82.7	50-200			
Surrogate: M3PFBS	*33.5*			ng/L	36.3		92.4	50-200			
Surrogate: M7PFUnA	*34.7*			ng/L	38.9		89.2	50-200			
Surrogate: M2-6:2FTS	*25.2*			ng/L	37.0		68.2	50-200			
Surrogate: M5PFPeA	*27.8*			ng/L	38.9		71.3	50-200			
Surrogate: M5PFHxA	*28.9*			ng/L	38.9		74.3	50-200			
Surrogate: M3PFHxS	*33.2*			ng/L	36.9		90.1	50-200			
Surrogate: M4PFHpA	*30.6*			ng/L	38.9		78.7	50-200			
Surrogate: M8PFOA	*31.9*			ng/L	38.9		81.9	50-200			
Surrogate: M8PFOS	*34.6*			ng/L	37.3		92.7	50-200			
Surrogate: M9PFNA	*29.8*			ng/L	38.9		76.6	50-200			
Surrogate: MPFDoA	*33.2*			ng/L	38.9		85.2	50-200			
Batch B326808 - EPA 533											
Blank (B326808-BLK1)					Prepared: 12/28/22 Analyzed: 12/30/22						
Perfluorobutanoic acid (PFBA)	ND	1.7		ng/L							
Perfluorobutanesulfonic acid (PFBS)	ND	1.7		ng/L							
Perfluoropentanoic acid (PFPeA)	ND	1.7		ng/L							
Perfluorohexanoic acid (PFHxA)	ND	1.7		ng/L							
11Cl-PF3OUdS (F53B Major)	ND	1.7		ng/L							
9Cl-PF3ONS (F53B Minor)	ND	1.7		ng/L							
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	ND	1.7		ng/L							
Hexafluoropropylene oxide dimer acid (HFPO-DA)	ND	1.7		ng/L							
8:2 Fluorotelomersulfonic acid (8:2FTS A)	ND	1.7		ng/L							
Perfluorodecanoic acid (PFDA)	ND	1.7		ng/L							
Perfluorododecanoic acid (PFDoA)	ND	1.7		ng/L							
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	ND	1.7		ng/L							
Perfluoroheptanesulfonic acid (PFHpS)	ND	1.7		ng/L							
4:2 Fluorotelomersulfonic acid (4:2FTS A)	ND	1.7		ng/L							
Perfluorohexanesulfonic acid (PFHxS)	ND	1.7		ng/L							
Perfluoro-4-oxapentanoic acid (PFMPA)	ND	1.7		ng/L							
Perfluoro-5-oxahexanoic acid (PFMBA)	ND	1.7		ng/L							
6:2 Fluorotelomersulfonic acid (6:2FTS A)	ND	1.7		ng/L							
Perfluoropetanesulfonic acid (PFPeS)	ND	1.7		ng/L							
Perfluoroundecanoic acid (PFUnA)	ND	1.7		ng/L							
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	ND	1.7		ng/L							
Perfluoroheptanoic acid (PFHpA)	ND	1.7		ng/L							
Perfluorooctanoic acid (PFOA)	ND	1.7		ng/L							
Perfluorooctanesulfonic acid (PFOS)	ND	1.7		ng/L							
Perfluorononanoic acid (PFNA)	ND	1.7		ng/L							

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QUALITY CONTROL

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

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B326808 - EPA 533											
Blank (B326808-BLK1)					Prepared: 12/28/22 Analyzed: 12/30/22						
Surrogate: M2-4:2FTS	*24.3*			ng/L	32.2		75.6	50-200			
Surrogate: M2-8:2FTS	*29.1*			ng/L	32.9		88.5	50-200			
Surrogate: MPFBA	*31.6*			ng/L	34.3		92.2	50-200			
Surrogate: M3HFPO-DA	*27.1*			ng/L	34.3		79.0	50-200			
Surrogate: M6PFDA	*28.7*			ng/L	34.3		83.8	50-200			
Surrogate: M3PFBS	*26.2*			ng/L	31.9		82.1	50-200			
Surrogate: M7PFUnA	*24.0*			ng/L	34.3		70.1	50-200			
Surrogate: M2-6:2FTS	*30.1*			ng/L	32.6		92.4	50-200			
Surrogate: M5PFPeA	*31.1*			ng/L	34.3		90.9	50-200			
Surrogate: M5PFHxA	*28.4*			ng/L	34.3		82.9	50-200			
Surrogate: M3PFHxS	*29.2*			ng/L	32.5		89.9	50-200			
Surrogate: M4PFHpA	*28.7*			ng/L	34.3		83.6	50-200			
Surrogate: M8PFOA	*30.7*			ng/L	34.3		89.7	50-200			
Surrogate: M8PFOS	*25.9*			ng/L	32.9		78.9	50-200			
Surrogate: M9PFNA	*28.0*			ng/L	34.3		81.8	50-200			
Surrogate: MPFDoA	*27.5*			ng/L	34.3		80.4	50-200			
LCS (B326808-BS1)					Prepared: 12/28/22 Analyzed: 12/30/22						
Perfluorobutanoic acid (PFBA)	15.7	1.9		ng/L	18.7		84.0	70-130			
Perfluorobutanesulfonic acid (PFBS)	14.8	1.9		ng/L	16.5		89.4	70-130			
Perfluoropentanoic acid (PFPeA)	16.1	1.9		ng/L	18.7		86.2	70-130			
Perfluorohexanoic acid (PFHxA)	16.4	1.9		ng/L	18.7		87.7	70-130			
11Cl-PF3OUdS (F53B Major)	15.3	1.9		ng/L	17.6		87.1	70-130			
9Cl-PF3ONS (F53B Minor)	15.1	1.9		ng/L	17.4		86.4	70-130			
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	15.6	1.9		ng/L	17.6		88.7	70-130			
Hexafluoropropylene oxide dimer acid (HFPO-DA)	16.8	1.9		ng/L	18.7		89.9	70-130			
8:2 Fluorotelomersulfonic acid (8:2FTS A)	12.7	1.9		ng/L	17.9		70.7	70-130			
Perfluorodecanoic acid (PFDA)	18.5	1.9		ng/L	18.7		99.1	70-130			
Perfluorododecanoic acid (PFDoA)	16.2	1.9		ng/L	18.7		86.9	70-130			
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	15.5	1.9		ng/L	16.6		93.0	70-130			
Perfluoroheptanesulfonic acid (PFHpS)	15.1	1.9		ng/L	17.9		84.4	70-130			
4:2 Fluorotelomersulfonic acid (4:2FTS A)	15.2	1.9		ng/L	17.5		86.8	70-130			
Perfluorohexanesulfonic acid (PFHxS)	15.7	1.9		ng/L	17.1		91.6	70-130			
Perfluoro-4-oxapentanoic acid (PFMPA)	17.3	1.9		ng/L	18.7		92.3	70-130			
Perfluoro-5-oxahexanoic acid (PFMBA)	16.3	1.9		ng/L	18.7		87.0	70-130			
6:2 Fluorotelomersulfonic acid (6:2FTS A)	17.4	1.9		ng/L	17.8		98.0	70-130			
Perfluoropetanesulfonic acid (PFPeS)	14.7	1.9		ng/L	17.6		83.5	70-130			
Perfluoroundecanoic acid (PFUnA)	17.3	1.9		ng/L	18.7		92.6	70-130			
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	17.0	1.9		ng/L	18.7		91.1	70-130			
Perfluoroheptanoic acid (PFHpA)	16.3	1.9		ng/L	18.7		86.9	70-130			
Perfluorooctanoic acid (PFOA)	16.0	1.9		ng/L	18.7		85.3	70-130			
Perfluorooctanesulfonic acid (PFOS)	16.5	1.9		ng/L	17.3		95.3	70-130			
Perfluorononanoic acid (PFNA)	17.2	1.9		ng/L	18.7		92.3	70-130			
Surrogate: M2-4:2FTS	*32.0*			ng/L	35.1		91.3	50-200			
Surrogate: M2-8:2FTS	*36.6*			ng/L	35.9		102	50-200			
Surrogate: MPFBA	*37.4*			ng/L	37.4		99.9	50-200			
Surrogate: M3HFPO-DA	*31.5*			ng/L	37.4		84.2	50-200			
Surrogate: M6PFDA	*33.0*			ng/L	37.4		88.1	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 B326808 - EPA 533											
LCS (B326808-BS1)					Prepared: 12/28/22 Analyzed: 12/30/22						
Surrogate: M3PFBS	*35.5*			ng/L	34.9		102	50-200			
Surrogate: M7PFUnA	*32.6*			ng/L	37.4		87.3	50-200			
Surrogate: M2-6:2FTS	*31.4*			ng/L	35.6		88.3	50-200			
Surrogate: M5PFPeA	*37.5*			ng/L	37.4		100	50-200			
Surrogate: M5PFHxA	*34.9*			ng/L	37.4		93.4	50-200			
Surrogate: M3PFHxS	*38.0*			ng/L	35.5		107	50-200			
Surrogate: M4PFHpA	*35.2*			ng/L	37.4		94.2	50-200			
Surrogate: M8PFOA	*37.4*			ng/L	37.4		100	50-200			
Surrogate: M8PFOS	*35.8*			ng/L	35.9		99.9	50-200			
Surrogate: M9PFNA	*33.0*			ng/L	37.4		88.2	50-200			
Surrogate: MPFDoA	*31.8*			ng/L	37.4		85.0	50-200			
LCS Dup (B326808-BSD1)					Prepared: 12/28/22 Analyzed: 12/30/22						
Perfluorobutanoic acid (PFBA)	15.8	1.8		ng/L	17.8		88.6	70-130	0.594	30	
Perfluorobutanesulfonic acid (PFBS)	14.8	1.8		ng/L	15.8		93.9	70-130	0.217	30	
Perfluoropentanoic acid (PFPeA)	16.2	1.8		ng/L	17.8		90.8	70-130	0.518	30	
Perfluorohexanoic acid (PFHxA)	16.0	1.8		ng/L	17.8		89.8	70-130	2.26	30	
11Cl-PF3OUdS (F53B Major)	14.7	1.8		ng/L	16.8		87.7	70-130	3.99	30	
9Cl-PF3ONS (F53B Minor)	16.0	1.8		ng/L	16.6		96.3	70-130	6.18	30	
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	16.0	1.8		ng/L	16.8		95.0	70-130	2.21	30	
Hexafluoropropylene oxide dimer acid (HFPO-DA)	15.2	1.8		ng/L	17.8		85.4	70-130	9.83	30	
8:2 Fluorotelomersulfonic acid (8:2FTS A)	14.8	1.8		ng/L	17.1		86.4	70-130	15.4	30	
Perfluorodecanoic acid (PFDA)	18.5	1.8		ng/L	17.8		104	70-130	0.122	30	
Perfluorododecanoic acid (PFDoA)	16.9	1.8		ng/L	17.8		95.0	70-130	4.23	30	
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	15.6	1.8		ng/L	15.9		98.1	70-130	0.694	30	
Perfluoroheptanesulfonic acid (PFHpS)	15.8	1.8		ng/L	17.0		92.6	70-130	4.67	30	
4:2 Fluorotelomersulfonic acid (4:2FTS A)	15.1	1.8		ng/L	16.7		90.3	70-130	0.654	30	
Perfluorohexanesulfonic acid (PFHxS)	15.1	1.8		ng/L	16.3		92.8	70-130	3.41	30	
Perfluoro-4-oxapentanoic acid (PFMPA)	17.0	1.8		ng/L	17.8		95.2	70-130	1.55	30	
Perfluoro-5-oxahexanoic acid (PFMBA)	16.4	1.8		ng/L	17.8		92.1	70-130	0.942	30	
6:2 Fluorotelomersulfonic acid (6:2FTS A)	18.1	1.8		ng/L	17.0		107	70-130	3.70	30	
Perfluoropetanesulfonic acid (PFPeS)	13.9	1.8		ng/L	16.8		83.1	70-130	5.14	30	
Perfluoroundecanoic acid (PFUnA)	17.7	1.8		ng/L	17.8		99.0	70-130	1.94	30	
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	17.3	1.8		ng/L	17.8		97.0	70-130	1.59	30	
Perfluoroheptanoic acid (PFHpA)	17.4	1.8		ng/L	17.8		97.5	70-130	6.79	30	
Perfluorooctanoic acid (PFOA)	18.2	1.8		ng/L	17.8		102	70-130	13.4	30	
Perfluorooctanesulfonic acid (PFOS)	16.1	1.8		ng/L	16.5		97.7	70-130	2.23	30	
Perfluorononanoic acid (PFNA)	17.1	1.8		ng/L	17.8		95.7	70-130	0.963	30	
Surrogate: M2-4:2FTS	*24.9*			ng/L	33.5		74.4	50-200			
Surrogate: M2-8:2FTS	*29.3*			ng/L	34.3		85.5	50-200			
Surrogate: MPFBA	*33.4*			ng/L	35.7		93.5	50-200			
Surrogate: M3HFPO-DA	*30.5*			ng/L	35.7		85.4	50-200			
Surrogate: M6PFDA	*29.8*			ng/L	35.7		83.5	50-200			
Surrogate: M3PFBS	*26.9*			ng/L	33.3		80.8	50-200			
Surrogate: M7PFUnA	*28.2*			ng/L	35.7		79.1	50-200			
Surrogate: M2-6:2FTS	*24.7*			ng/L	33.9		72.8	50-200			
Surrogate: M5PFPeA	*32.7*			ng/L	35.7		91.6	50-200			
Surrogate: M5PFHxA	*30.5*			ng/L	35.7		85.6	50-200			

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

QUALITY CONTROL

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

Analyte	Result	Reporting Limit	DL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B326808 - EPA 533											
LCS Dup (B326808-BSD1)					Prepared: 12/28/22 Analyzed: 12/30/22						
Surrogate: M3PFHxS	*29.4*			ng/L	33.8		86.9	50-200			
Surrogate: M4PFHpA	*29.8*			ng/L	35.7		83.5	50-200			
Surrogate: M8PFOA	*29.9*			ng/L	35.7		83.8	50-200			
Surrogate: M8PFOS	*27.3*			ng/L	34.2		79.8	50-200			
Surrogate: M9PFNA	*28.6*			ng/L	35.7		80.1	50-200			
Surrogate: MPFDoA	*30.2*			ng/L	35.7		84.7	50-200			

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FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit
DL	Method Detection Limit
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
S-29	Extracted Internal Standard is outside of control limits.
Z-01	Sample was re-extracted to confirm detection. Re-extraction of second container confirmed detection. Original result reported.

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

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	04/1/2023
NH	New Hampshire Environmental Lab	2516 NELAP	02/5/2023
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

Pace Analytical®

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Fax: 612-607-6344

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1800 Elm Street SE
Minneapolis, MN 55414

Page 1 of 4

22L1422

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	EPA 533	# of Containers
1	BH20221208 PRE-GAC	12/8/22	9:25		✓	DW	2	2	2
2	BH20221208 POST-GAC		9:28		✓	DW	2	2	2
3	BH20221208 POST-GACDUP		9:28		✓	DW	2	2	2
4	BH20221208 POST-GACMS/MSD		9:31		✓	DW		6	6
5	BH20221208-IN-25		10:03		✓	DW	2	2	2
6	BH20221208-IN-50		10:05		✓	DW	2	2	2
7	BH20221208-IN-75		10:07		✓	DW	2	2	2
8	BH20221208-IMID		10:18		✓	DW	2	2	2
9	BH20221208-IS-25		10:09		✓	DW	2	2	2
10	BH20221208-IS-50		10:12		✓	DW	2	2	2

[1] # of Containers
[2] Preservation Code
[3] Container Code

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

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

[2] Preservation Codes:
! = 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)	Meghan Fitzgerald	Date/Time: 12/8/22 12:40
Received by: (signature)	Dana Casey	Date/Time: 12/9 1240
Relinquished by: (signature)		Date/Time: 12/9
Received by: (signature)		Date/Time:
Relinquished by: (signature)		Date/Time:
Received by: (signature)		Date/Time:

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:

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Temp = 3.2

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CHAIN OF CUSTODY RECORD (New York)

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Minneapolis, MN 55414

Page 2 of 4

22L1422

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

Company Name: NYSDEC/Arcadis
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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@DEC.NY.GOV
Fax To #:

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

ANALYSIS REQUESTED: EPA533

Pace Analytical Work Order#	Client Sample Identification	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	EPA533
10	BH20221208 - 1S - ~~50~~ 75	12/8/22	10:15		✓	DW		2
11	BH20221208 - 1POST	↓	10:16		✓	DW		2
12	BH20221208 - 2N-25	↓	10:26		✓	DW		2
13	BH20221208 - 2N-50	↓	10:27		✓	DW		2
14	BH20221208 - 2N75	↓	10:28		✓	DW		2
15	BH20221208 - 2 POST	↓	10:30		✓	DW		2
16	BH20221208 - 2S-25	↓	10:29		✓	DW		2
17	BH20221208 - 2S-50	↓	10:31		✓	DW		2
18	BH20221208 - 2S-75	↓	10:34		✓	DW		2
19	BH20221208 - 2MID	↓	10:40		✓	DW		2

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

[1] **Matrix Codes:**
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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

	Date/Time:
Relinquished by: (signature) Meg Fitzgerald	12/8/22 12:40
Received by: (signature) [signature]	12/8 1240
Relinquished by: (signature) [signature]	12/9
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

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

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Temp - 3.2

Pace Analytical®
Phone: 612-607-6400
Fax: 612-607-6344

22L1422

https://www.pacelabs.com/ Doc # 380 Rev 1_03242017

CHAIN OF CUSTODY RECORD (New York)

1800 Elm Street SE
Minneapolis, MN 55414

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

Company Name: NYSDEC/Arcadis
Address: 625 Broadway 12th floor, Albany, NY 12233
Phone: (518) 402 - 9813
Project Name: Stewart ANG - 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@DEC.NY.GOV
Fax To #:

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID/Description	Beginning Date/Time	Ending Date/Time	Composite	Grab	Matrix Code	Conc Code	EPA533
# of Containers								20
Preservation Code								1
Container Code								P
20	BH20221208-3N-25	12/8/22	10:45		✓	DW		2
21	BH20221208-3N-50		10:47		✓	DW		2
22	BH20221208-3N-75		10:49		✓	DW		2
23	BH20231208-3POST		10:50		✓	DW		2
24	BH20221208-3S-25		10:56		✓	DW		2
25	BH20221208-3S-50		10:58		✓	DW		2
26	BH20221208-3S-75		11:00		✓	DW		2
27	BH20221208-3MID		11:02		✓	DW		2
28	BH20221208-1RAW		11:26		✓	DW		2
29	BH20221208-2RAW	↓	11:18		✓	DW		2

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

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

²Preservation 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)

³Container 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

Signature	Date/Time
Relinquished by: (signature) Meg Fitzgerald	12/8/22 12:4
Received by: (signature) Casey	12/8 1240
Relinquished by: (signature)	12/9
Received by: (signature)	
Relinquished by: (signature)	
Received by: (signature)	

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

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

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

Other
☐ Chromatogram
☐ AIHA-LAP,LLC

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

ANALYSIS REQUESTED

Pace Analytical Work Order#	Client Sample ID / Description	Collection Date/Time	Collection Date/Time	Composite	Grab	Matrix Code	Conc Code	8A533	# of Containers	Preservation Code	Container Code
	BH20221208-3RAW	12/8/22	11:38		✓	DW		..	3	1	P
	BH20221208-FRB	↓	9:34		✓	DW			2		
									1		

# of Containers
² Preservation Code
³ Container Code

Dissolved Metals Samples
☐ Field Filtered
☐ Lab to Filter

Orthophosphate Samples
☐ Field Filtered
☐ Lab to Filter

¹ **Matrix Codes:**
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	Date/Time:
Relinquished by: (signature) Meg Fitzgerald	12/8/22 12:40
Received by: (signature) Casey	12/8 1240
Relinquished by: (signature)	12/9
Received by: (signature)	Date/Time:
Relinquished by: (signature)	Date/Time:
Received by: (signature)	Date/Time:

Program & Regulatory Information
☐ AWQ STDS ☐ NY TOGS
☐ NYC Sewer Discharge ☐ NY CP-51
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☐ NY Unrestricted Use
☐ NY Part 375
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Deliverables
☑ Enhanced Data Package
☑ NYSDEC EQuIS EDD
☐ EQuIS (Standard) EDD
☐ NY Regulatory EDD
☐ NY Regs Hits-Only EDD
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Project Entity
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Other
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PCB ONLY
☐ Soxhlet
☐ Non Soxhlet

Temp -3.2

Table of Contents

https://www.fedex.com/en-us/home.html

FedEx® Tracking

DELIVERED

Friday

12/9/2022 at 9:21 am

Signed for by: R.PETRAITIS

Obtain Proof of delivery

DELIVERY STATUS

Delivered

Shipment is 1 of 3 pieces

TRACKING ID

770723665890

FROM
Newburgh, NY US

Label Created
12/8/2022 4:52 PM

PACKAGE RECEIVED BY FEDEX
NEWBURGH, NY
12/8/2022 7:00 PM

IN TRANSIT
WINDSOR LOCKS, CT
12/9/2022 7:44 AM

OUT FOR DELIVERY
WINDSOR LOCKS, CT
12/9/2022 7:53 AM

DELIVERED
EAST LONGMEADOW, MA US

DELIVERED
12/9/2022 at 9:21 AM

View travel history

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

YOUR EMAIL

SUBMIT

Manage Delivery

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

Pace PEOPLE ADVANCING SCIENCE

Doc# 277 Rev 6 July 2022

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

Client Arcadis

Received By JR Date 12/9 Time 921

How were the samples received? In Cooler T No Cooler ____ On Ice T No Ice ____

Were samples within Tempurature? Direct From Sample ____ Within 2-6°C T Ambient ____ By Gun # 3 Melted Ice ____ By Blank # ____ Actual Temp - 5.0 Actual Temp -

Was Custody Seal In tact? NA

Was COC Relinquished ? T

Were Samples Tampered with? NA

Does Chain Agree With Samples? T

Are there broken/leaking/loose caps on any samples? F

Is COC in ink/ Legible? T

Were samples received within holding time? T

Did COC include all pertinent Information? Client? T Project? T Analysis? T ID's? T Sampler Name? T Collection Dates/Times? T

Are Sample labels filled out and legible?

Are there Lab to Filters? F Who was notified?

Are there Rushes? F Who was notified?

Are there Short Holds? F Who was notified?

Samples are received within holding time? T

Is there enough Volume? T

Is there Headspace where applicable? F MS/MSD? T

Proper Media/Containers Used? T splitting samples required? F

Were trip blanks receive F On COC? F

Do All Samples Have the proper pH? NA Acid Base

Vials	#	Containers	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic	67	4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Unused Media

Vials	#	Containers	#		#		#
Unp-		1 Liter Amb.		1 Liter Plastic		16 oz Amb.	
HCL-		500 mL Amb.		500 mL Plastic		8oz Amb/Clear	
Meoh-		250 mL Amb.		250 mL Plastic		4oz Amb/Clear	
Bisulfate-		Col./Bacteria		Flashpoint		2oz Amb/Clear	
DI-		Other Plastic		Other Glass		Encore	
Thiosulfate-		SOC Kit		Plastic Bag		Frozen:	
Sulfuric-		Perchlorate		Ziplock			

Comments: