

# PFAS Monitoring Report Rocky Flats Site, Colorado

## Third Quarter Calendar Year 2024

### January 2025



U.S. DEPARTMENT OF  
**ENERGY**

Legacy  
Management

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## Abbreviations

CY	calendar year
DOE	U.S. Department of Energy
EPA	U.S. Environmental Protection Agency
ng/L	nanograms per liter
PFAS	per- and polyfluoroalkyl substances
PFOA	perfluorooctanoic acid
PFOS	perfluorooctanesulfonic acid
PLFTS	Present Landfill Treatment System
SAP	Sampling and Analysis Plan
WQCC	Water Quality Control Commission

## 1.0 Introduction

Per- and polyfluoroalkyl substances (PFAS) are a group of thousands of human-made chemicals that have been in use since the 1930s and are found in a variety of industrial and commercial products. Common applications include cosmetics, food packaging, stain-resistant and water-resistant articles and treatments, nonstick coatings such as Teflon, and many others. In addition, PFAS have been used in metallurgy and have been an important ingredient in aqueous film-forming foam, also called AFFF, used in firefighting. Some PFAS have been identified as potentially harmful to human health and are being investigated at facilities across the nation.

In consultation with the Colorado Department of Public Health and Environment and the U.S. Environmental Protection Agency (EPA), the U.S. Department of Energy (DOE) developed a Sampling and Analysis Plan (SAP), *Sampling Plan for PFOA/PFOS at the Rocky Flats Site, Colorado* (DOE 2019), that described a limited sampling program at the Rocky Flats Site, Colorado (the Site). Eight locations were sampled to screen groundwater and surface water for the presence of two PFAS that have received the greatest scrutiny, perfluorooctanoic acid (PFOA) and perfluorooctanesulfonic acid (PFOS). These compounds were detected in samples collected in 2019 from the Site (DOE 2020). Two of the locations produced samples with concentrations exceeding EPA's 2016 nonenforceable drinking water health advisory limit of 70 nanograms per liter (ng/L) (or parts per trillion) for the sum of the concentrations of PFOA + PFOS. These two locations are a monitoring well near the former Rocky Flats Fire Department and associated training area and the influent to the Present Landfill Treatment System (PLFTS) that treats seepage from the former landfill.

Based on the 2019 screening results, DOE developed a new SAP in 2021, the *Sampling and Analysis Plan for PFAS at the Rocky Flats Site, Colorado* (DOE 2021), that specifies additional sampling to further assess the presence of PFAS at the Site. The 2021 SAP describes the special clothing, sampling preparations, sampling staff preparations, and other special requirements that are specific to collecting samples for the analysis of PFAS. The 2021 SAP increases the number of sample locations from 8 to 12. The additional monitoring locations are near the former fire department and the PLFTS—the two locations that presented the highest concentrations of PFOA + PFOS in 2019. The target analytes were increased to 28 PFAS, including PFOA, PFOS, and other PFAS listed in Colorado Water Quality Control Commission (WQCC) Policy 20-1 (WQCC 2020), hereafter called the Colorado WQCC Policy, as well as three PFAS that are not listed in that policy.<sup>1</sup> This sampling was to be conducted quarterly for a total of eight quarters (2 years, that is, through the second quarter of 2023), but continued beyond that duration due to new requirements from CDPHE to continue quarterly sampling.

The 2021 SAP was revised in the fourth quarter of calendar year (CY) 2023 to reduce the number of sample locations from 12 to 6 (Figure 1) and include the collection of split samples to allow a statistical comparison of results obtained through two different analytical methods. Split samples were first collected from the six selected locations in the second quarter of CY 2023 at DOE's initiative. In that and the following (third) quarter of CY 2023, the other six locations were still sampled, but those samples were analyzed only using modified EPA Method 537.1. Only the selected six locations were sampled in the fourth quarter of CY 2023 and first quarter of CY 2024

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<sup>1</sup> One of the 28 PFAS is not analyzed by the laboratory. Therefore, a total of 27 PFAS are analyzed, including all those presented by Chemical Abstracts Service number in the Colorado WQCC Policy (WQCC 2020).

using the split sampling approach. This split sampling supported a statistical comparison of analytical data generated through the two analytical methods, modified EPA Method 537.1 and EPA Method 1633 (DOE 2023). The former method was used starting in 2019 and is a modification of a drinking water method that has not been formally approved for use with environmental matrices such as groundwater and surface water. The latter method was finalized and approved for use with environmental aqueous matrices in 2023 and with solid matrices as well in early 2024.

This report focuses on the same six locations as the previous two quarterly reports. Split samples were again collected for analysis using both analytical methods. In addition, location NNG01 was sampled and analyzed using only EPA Method 1633.

Results of PFAS-focused monitoring are provided in quarterly reports; the report for the fourth quarter of each calendar year is combined with an annual report. The quarterly reports are brief data summaries, and the annual reports include additional information. Sampling as described in the 2021 SAP began in the third quarter of CY 2021; the third quarter of CY 2024 represents the 13th consecutive quarter of sampling. Refer to the 2023 annual PFAS report (DOE 2024) for additional information on PFAS sampling conducted at the Rocky Flats Site to date.

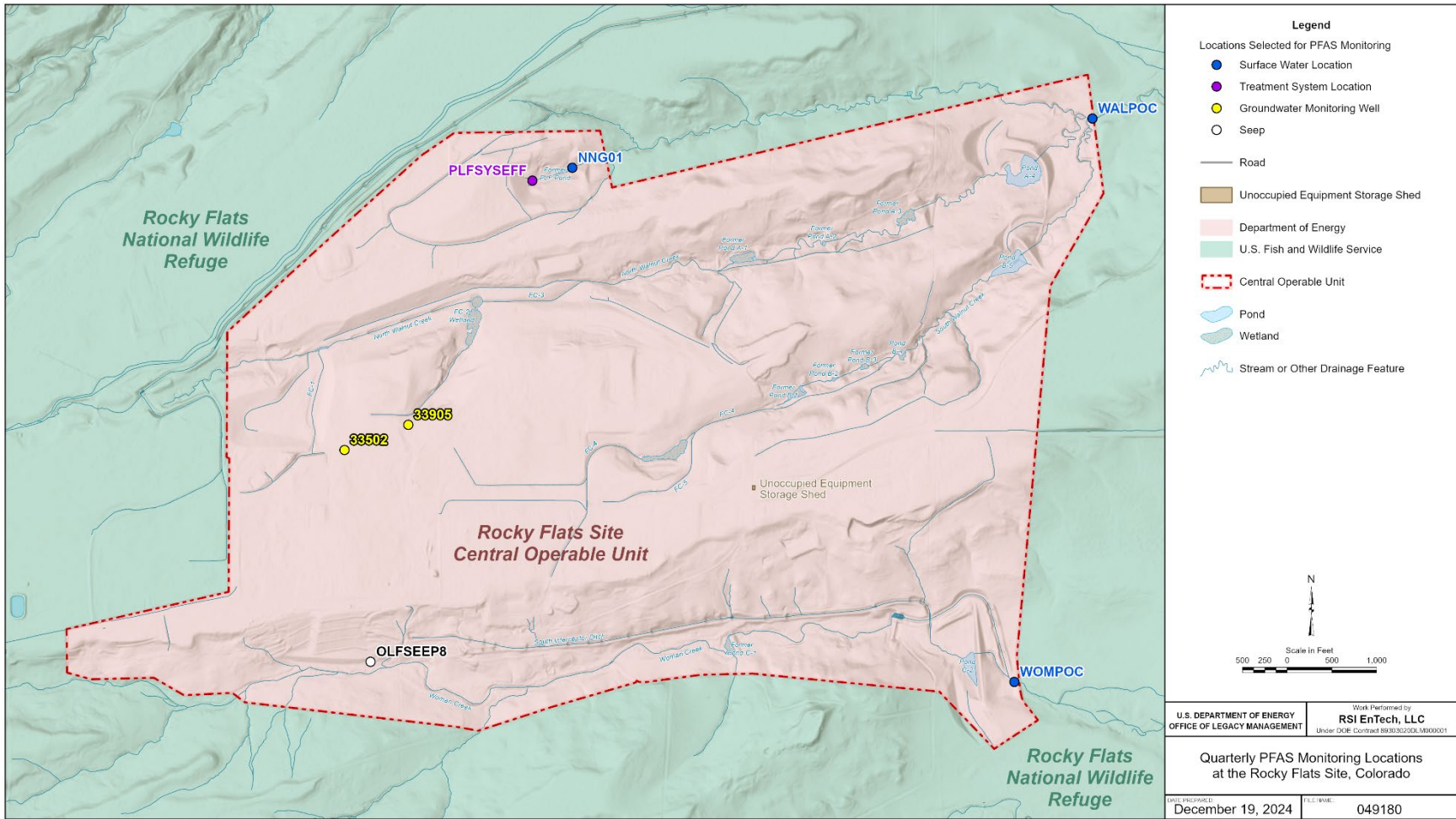


Figure 1. Central Operable Unit with PFAS Sampling Locations

## 2.0 Monitoring Highlights: Third Quarter CY 2024

Several locations were successfully sampled during the third-quarter sampling event. Not sampled were surface-water Points of Compliance WALPOC and WOMPOC because they were dry. One additional location, NNG01, was sampled at DOE’s discretion. This location will be added to the PFAS quarterly monitoring program in the fourth quarter of CY 2024. Sampling events are summarized in Table 1.

Table 1. Sampling Events in Third Quarter CY 2024

Location ID		Sample ID	Sample Date and Time	Sample Type
Actual	Dummy <sup>a</sup>			
33502		RFS01-15.2408034-001	8/27/2024 10:55	F
33905		RFS01-15.2408034-002	8/27/2024 12:01	F
OLFSEEP8		RFS01-15.2408034-003	8/27/2024 09:30	F
PLFSYSEFF		RFS01-15.2408034-004	8/27/2024 12:55	F
NNG01		RFS01-18.2409009-010	9/30/2024 11:00	F
33502	2399	RFS01-15.2408034-010	8/27/2024 10:10	FB
33502	2770	RFS01-15.2408034-011	8/27/2024 10:25	E
33502	2397	RFS01-15.2408034-008	8/27/2024 10:55	D
PLFSYSEFF	2398	RFS01-15.2408034-009	8/27/2024 12:55	D

**Note:**

<sup>a</sup> “Dummy” location codes are assigned to quality assurance/quality control samples (sample types D, E, FB) that are physically collected at the actual locations indicated. Refer to the *Sampling and Analysis Plan for PFAS at the Rocky Flats Site, Colorado* (DOE 2021) for additional information on sample types.

**Abbreviations:**

D = field duplicate  
 E = equipment rinse  
 F = field  
 FB = field blank

## 3.0 Analytical Data: Third Quarter CY 2024

Analytical data for the third quarter of CY 2024 are provided in Table 2, and field parameter data are provided in Table 3. Both tables are attached at the end of this report.

## 4.0 References

DOE (U.S. Department of Energy), 2019. *Sampling Plan for PFOA/PFOS at the Rocky Flats Site, Colorado*, LMS/RFS/S22080, Office of Legacy Management, April.

DOE (U.S. Department of Energy), 2020. *Summary Report: Results of Assessment for PFOA/PFOS at the Rocky Flats Site, Colorado*, LMS/RFS/S29191, Office of Legacy Management, April.

DOE (U.S. Department of Energy), 2021. *Sampling and Analysis Plan for PFAS at the Rocky Flats Site, Colorado*, LMS/RFS/S33207-0.0, Office of Legacy Management, July.

DOE (U.S. Department of Energy), 2023. Interim Directive ID-23-08 to *Sampling and Analysis Plan for PFAS at the Rocky Flats Site, Colorado*, LMS/RFS/S33207-0.0, Office of Legacy Management, October 11.

DOE (U.S. Department of Energy), 2024. *Annual PFAS Monitoring Report, Rocky Flats Site, Colorado, Calendar Year 2023*, LMS/RFS/47262, Office of Legacy Management, April.

WQCC (Water Quality Control Commission), 2020. *Policy for Interpreting the Narrative Water Quality Standards for Per- and Polyfluoroalkyl Substances (PFAS)*, Policy 20-1, 5 CCR 1002-31 Section 31.11(1)(a)(iv) and 5 CCR 1002-41 Section 41.5(A)(1), Colorado Department of Public Health and Environment, approved July 14, expires July 31, 2025.



Table 2. Analytical Results for Water Samples

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
2399	QC	8/27/2024	RFS01-15.2408034-010	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	FB	0.25	U		0.25	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	FB	0.66	U		0.66	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	812-70-4	3-Perfluoroheptyl propanoic acid	FB	1.3	U		1.3	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	356-02-5	3-Perfluoropropyl propanoic acid	FB	0.56	U		0.56	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	FB	0.22	U		0.22	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	FB	0.49	U		0.49	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	27619-97-2	6:2 fluorotelomersulfonic acid	FB	1.7	U		1.7	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	39108-34-4	8:2 fluorotelomersulfonic acid	FB	1.5	U		1.5	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	FB	0.26	U		0.26	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	4151-50-2	N-ethyl perfluorooctanesulfonamide	FB	0.66	U		0.66	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	FB	0.49	U N		0.49	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol	FB	1.4	U		1.4	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	31506-32-8	N-methyl perfluorooctanesulfonamide	FB	0.57	U		0.57	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	FB	0.72	U		0.72	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol	FB	1.5	U		1.5	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	FB	0.48	U		0.48	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	FB	0.15	U		0.15	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	13252-13-6	Perfluoro-2-propoxypropionic acid	FB	0.48	U		0.48	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	377-73-1	Perfluoro-3-methoxypropanoic acid	FB	0.14	U		0.14	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	863090-89-5	Perfluoro-4-methoxybutanoic acid	FB	0.18	U		0.18	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	375-73-5	Perfluorobutanesulfonic acid (PFBS)	FB	0.63	U		0.63	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	375-22-4	Perfluorobutanoic acid (PFBA)	FB	0.22	U		0.22	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	335-77-3	Perfluorodecanesulfonic acid (PFDS)	FB	0.25	U		0.25	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	335-76-2	Perfluorodecanoic acid (PFDA)	FB	0.18	U		0.18	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	79780-39-5	Perfluorododecanesulfonic acid	FB	0.41	U *		0.41	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	307-55-1	Perfluorododecanoic acid (PFDoA)	FB	0.15	U		0.15	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	FB	0.38	U		0.38	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	375-85-9	Perfluoroheptanoic acid (PFHpA)	FB	0.18	U		0.18	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	FB	0.63	U		0.63	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	307-24-4	Perfluorohexanoic acid (PFHxA)	FB	0.47	U		0.47	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	FB	0.24	U		0.24	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	375-95-1	Perfluorononanoic acid (PFNA)	FB	0.35	U		0.35	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	754-91-6	Perfluorooctane Sulfonamide (FOSA)	FB	0.36	U		0.36	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	FB	0.17	U		0.17	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	335-67-1	Perfluorooctanoic acid (PFOA)	FB	0.52	U		0.52	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	FB	0.3	U		0.3	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	2706-90-3	Perfluoropentanoic acid (PFPeA)	FB	0.12	U		0.12	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	376-06-7	Perfluorotetradecanoic acid (PFTeA)	FB	0.35	U		0.35	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	FB	0.26	U		0.26	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	2058-94-8	Perfluoroundecanoic acid (PFUnA)	FB	0.24	U		0.24	EPA 1633
2399	QC	8/27/2024	RFS01-15.2408034-010	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	FB	0.36	U	J	0.36	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	27619-97-2	6:2 fluorotelomersulfonic acid	FB	0.38	U	J	0.38	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	39108-34-4	8:2 fluorotelomersulfonic acid	FB	0.61	U	J	0.61	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	FB	0.34	U	J	0.34	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	FB	0.46	U	J	0.46	PFC_IDA_DOD5.3

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
2399	QC	8/27/2024	RFS01-15.2408034-010	13252-13-6	Perfluoro-2-propoxypropionic acid	FB	0.68	U	J	0.68	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	375-73-5	Perfluorobutanesulfonic acid (PFBS)	FB	0.34	U	J	0.34	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	375-22-4	Perfluorobutanoic acid (PFBA)	FB	0.24	U	J	0.24	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	335-77-3	Perfluorodecanesulfonic acid (PFDS)	FB	0.54	U	J	0.54	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	335-76-2	Perfluorodecanoic acid (PFDA)	FB	0.33	U	J	0.33	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	307-55-1	Perfluorododecanoic acid (PFDoA)	FB	0.42	U	J	0.42	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	FB	0.7	U	J	0.7	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	375-85-9	Perfluoroheptanoic acid (PFHpA)	FB	0.48	U	J	0.48	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	FB	0.38	U	J	0.38	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	307-24-4	Perfluorohexanoic acid (PFHxA)	FB	0.54	U	J	0.54	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	67905-19-5	Perfluoro-n-hexadecanoic acid (PFHxDA)	FB	0.52	U	J	0.52	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	FB	0.59	U N *	J	0.59	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	FB	0.56	U H	J	0.56	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	FB	0.65	U	J	0.65	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	375-95-1	Perfluorononanoic acid (PFNA)	FB	0.55	U	J	0.55	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	754-91-6	Perfluorooctane Sulfonamide (FOSA)	FB	0.52	U	J	0.52	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	FB	0.57	U	J	0.57	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	335-67-1	Perfluorooctanoic acid (PFOA)	FB	0.55	U	J	0.55	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	FB	0.51	U	J	0.51	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	2706-90-3	Perfluoropentanoic acid (PFPeA)	FB	0.24	U	J	0.24	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	376-06-7	Perfluorotetradecanoic acid (PFTeA)	FB	0.51	U	J	0.51	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	FB	0.68	U	J	0.68	PFC_IDA_DOD5.3
2399	QC	8/27/2024	RFS01-15.2408034-010	2058-94-8	Perfluoroundecanoic acid (PFUnA)	FB	0.72	U	J	0.72	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	E	0.24	U		0.24	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	E	0.62	U		0.62	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	812-70-4	3-Perfluoroheptyl propanoic acid	E	1.2	U		1.2	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	356-02-5	3-Perfluoropropyl propanoic acid	E	0.52	U		0.52	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	E	0.21	U		0.21	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	E	0.47	U		0.47	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	27619-97-2	6:2 fluorotelomersulfonic acid	E	1.6	U		1.6	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	39108-34-4	8:2 fluorotelomersulfonic acid	E	1.4	U		1.4	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	E	0.24	U		0.24	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	4151-50-2	N-ethyl perfluorooctanesulfonamide	E	0.62	U		0.62	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	E	0.46	U N		0.46	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol	E	1.3	U		1.3	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	31506-32-8	N-methyl perfluorooctanesulfonamide	E	0.54	U		0.54	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	E	0.68	U		0.68	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol	E	1.4	U		1.4	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	E	0.45	U		0.45	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	E	0.14	U		0.14	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	13252-13-6	Perfluoro-2-propoxypropionic acid	E	0.45	U		0.45	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	377-73-1	Perfluoro-3-methoxypropanoic acid	E	0.13	U		0.13	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	863090-89-5	Perfluoro-4-methoxybutanoic acid	E	0.17	U		0.17	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	375-73-5	Perfluorobutanesulfonic acid (PFBS)	E	0.59	U		0.59	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	375-22-4	Perfluorobutanoic acid (PFBA)	E	0.21	U		0.21	EPA 1633

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
2770	QC	8/27/2024	RFS01-15.2408034-011	335-77-3	Perfluorodecanesulfonic acid (PFDS)	E	0.24	U		0.24	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	335-76-2	Perfluorodecanoic acid (PFDA)	E	0.17	U		0.17	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	79780-39-5	Perfluorododecanesulfonic acid	E	0.39	U *		0.39	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	307-55-1	Perfluorododecanoic acid (PFDoA)	E	0.14	U		0.14	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	E	0.36	U		0.36	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	375-85-9	Perfluoroheptanoic acid (PFHpA)	E	0.17	U		0.17	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	E	0.59	U		0.59	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	307-24-4	Perfluorohexanoic acid (PFHxA)	E	0.44	U		0.44	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	E	0.22	U		0.22	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	375-95-1	Perfluorononanoic acid (PFNA)	E	0.33	U		0.33	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	754-91-6	Perfluorooctane Sulfonamide (FOSA)	E	0.34	U		0.34	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	E	0.16	U		0.16	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	335-67-1	Perfluorooctanoic acid (PFOA)	E	0.49	U		0.49	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	E	0.28	U		0.28	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	2706-90-3	Perfluoropentanoic acid (PFPeA)	E	0.11	U		0.11	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	376-06-7	Perfluorotetradecanoic acid (PFTeA)	E	0.33	U		0.33	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	E	0.25	U		0.25	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	2058-94-8	Perfluoroundecanoic acid (PFUnA)	E	0.22	U		0.22	EPA 1633
2770	QC	8/27/2024	RFS01-15.2408034-011	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	E	0.34	U	J	0.34	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	27619-97-2	6:2 fluorotelomersulfonic acid	E	0.36	U	J	0.36	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	39108-34-4	8:2 fluorotelomersulfonic acid	E	0.59	U	J	0.59	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	E	0.32	U	J	0.32	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	E	0.44	U	J	0.44	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	13252-13-6	Perfluoro-2-propoxypropionic acid	E	0.66	U	J	0.66	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	375-73-5	Perfluorobutanesulfonic acid (PFBS)	E	0.32	U	J	0.32	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	375-22-4	Perfluorobutanoic acid (PFBA)	E	0.23	U	J	0.23	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	335-77-3	Perfluorodecanesulfonic acid (PFDS)	E	0.52	U	J	0.52	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	335-76-2	Perfluorodecanoic acid (PFDA)	E	0.31	U	J	0.31	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	307-55-1	Perfluorododecanoic acid (PFDoA)	E	0.4	U	J	0.4	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	E	0.68	U	J	0.68	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	375-85-9	Perfluoroheptanoic acid (PFHpA)	E	0.46	U	J	0.46	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	E	0.36	U	J	0.36	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	307-24-4	Perfluorohexanoic acid (PFHxA)	E	0.52	U	J	0.52	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	67905-19-5	Perfluoro-n-hexadecanoic acid (PFHxDA)	E	0.49	U	J	0.49	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	E	0.57	U	J	0.57	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	E	0.63	U	J	0.63	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	375-95-1	Perfluorononanoic acid (PFNA)	E	0.53	U	J	0.53	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	754-91-6	Perfluorooctane Sulfonamide (FOSA)	E	0.49	U	J	0.49	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	E	0.55	U	J	0.55	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	335-67-1	Perfluorooctanoic acid (PFOA)	E	0.53	U	J	0.53	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	E	0.49	U	J	0.49	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	2706-90-3	Perfluoropentanoic acid (PFPeA)	E	0.23	U	J	0.23	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	376-06-7	Perfluorotetradecanoic acid (PFTeA)	E	0.49	U	J	0.49	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	E	0.66	U	J	0.66	PFC_IDA_DOD5.3
2770	QC	8/27/2024	RFS01-15.2408034-011	2058-94-8	Perfluoroundecanoic acid (PFUnA)	E	0.69	U	J	0.69	PFC_IDA_DOD5.3

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
33502	WL	8/27/2024	RFS01-15.2408034-008	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	D	0.24	U	F	0.24	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	D	0.61	U	F	0.61	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	812-70-4	3-Perfluoroheptyl propanoic acid	D	1.2	U	F	1.2	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	356-02-5	3-Perfluoropropyl propanoic acid	D	0.52	U	F	0.52	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	D	0.21	U	F	0.21	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	D	0.46	U	F	0.46	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	27619-97-2	6:2 fluorotelomersulfonic acid	D	37		F	1.6	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	39108-34-4	8:2 fluorotelomersulfonic acid	D	14		F	1.4	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	D	0.24	U	F	0.24	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	4151-50-2	N-ethyl perfluorooctanesulfonamide	D	0.62	U	F	0.62	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	D	0.45	U N	F	0.45	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol	D	1.3	U	F	1.3	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	31506-32-8	N-methyl perfluorooctanesulfonamide	D	0.53	U	F	0.53	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	D	0.67	U	F	0.67	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol	D	1.4	U	F	1.4	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	D	0.44	U	F	0.44	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	D	0.14	U	F	0.14	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	13252-13-6	Perfluoro-2-propoxypropionic acid	D	0.44	U	F	0.44	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	377-73-1	Perfluoro-3-methoxypropanoic acid	D	0.13	U	F	0.13	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	863090-89-5	Perfluoro-4-methoxybutanoic acid	D	0.17	U	F	0.17	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	375-73-5	Perfluorobutanesulfonic acid (PFBS)	D	12		FJ	0.58	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	375-22-4	Perfluorobutanoic acid (PFBA)	D	75		F	0.21	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	335-77-3	Perfluorodecanesulfonic acid (PFDS)	D	0.24	U	F	0.24	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	335-76-2	Perfluorodecanoic acid (PFDA)	D	3.8		F	0.16	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	79780-39-5	Perfluorododecanesulfonic acid	D	0.38	U *	F	0.38	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	307-55-1	Perfluorododecanoic acid (PFDoA)	D	0.14	U	F	0.14	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	D	5.5		FJ	0.35	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	375-85-9	Perfluoroheptanoic acid (PFHpA)	D	91		F	0.17	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	D	120		F	0.59	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	307-24-4	Perfluorohexanoic acid (PFHxA)	D	110		F	0.44	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	D	0.22	U	F	0.22	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	375-95-1	Perfluorononanoic acid (PFNA)	D	11		F	0.33	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	754-91-6	Perfluorooctane Sulfonamide (FOSA)	D	0.92	J	FJ	0.33	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	D	280		FJ	0.15	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	335-67-1	Perfluorooctanoic acid (PFOA)	D	140		F	0.49	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	D	14		F	0.28	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	2706-90-3	Perfluoropentanoic acid (PFPeA)	D	150		F	0.11	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	376-06-7	Perfluorotetradecanoic acid (PFTeA)	D	0.33	U	F	0.33	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	D	0.24	U	F	0.24	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	2058-94-8	Perfluoroundecanoic acid (PFUnA)	D	0.22	U	F	0.22	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	F	0.25	U	F	0.25	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	F	0.66	U	F	0.66	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	812-70-4	3-Perfluoroheptyl propanoic acid	F	1.3	U	F	1.3	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	356-02-5	3-Perfluoropropyl propanoic acid	F	0.56	U	F	0.56	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	F	0.22	U	F	0.22	EPA 1633

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
33502	WL	8/27/2024	RFS01-15.2408034-001	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	F	0.5	U	F	0.5	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	27619-97-2	6:2 fluorotelomersulfonic acid	F	38		F	1.7	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	39108-34-4	8:2 fluorotelomersulfonic acid	F	16		F	1.5	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	F	0.26	U	F	0.26	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	4151-50-2	N-ethyl perfluorooctanesulfonamide	F	0.67	U	F	0.67	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	F	0.49	U N	F	0.49	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol	F	1.4	U	F	1.4	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	31506-32-8	N-methyl perfluorooctanesulfonamide	F	0.58	U	F	0.58	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	F	0.73	U	F	0.73	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol	F	1.5	U	F	1.5	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	F	0.48	U	F	0.48	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	F	0.15	U	F	0.15	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	13252-13-6	Perfluoro-2-propoxypropionic acid	F	0.48	U	F	0.48	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	377-73-1	Perfluoro-3-methoxypropanoic acid	F	0.14	U	F	0.14	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	863090-89-5	Perfluoro-4-methoxybutanoic acid	F	0.18	U	F	0.18	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	375-73-5	Perfluorobutanesulfonic acid (PFBS)	F	8.5		FJ	0.63	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	375-22-4	Perfluorobutanoic acid (PFBA)	F	77		F	0.22	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	335-77-3	Perfluorodecanesulfonic acid (PFDS)	F	0.26	U	F	0.26	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	335-76-2	Perfluorodecanoic acid (PFDA)	F	4.8		F	0.18	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	79780-39-5	Perfluorododecanesulfonic acid	F	0.41	U *	F	0.41	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	307-55-1	Perfluorododecanoic acid (PFDoA)	F	0.15	U	F	0.15	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	F	0.38	U	F	0.38	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	375-85-9	Perfluoroheptanoic acid (PFHpA)	F	100		F	0.18	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	F	130		F	0.63	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	307-24-4	Perfluorohexanoic acid (PFHxA)	F	120		F	0.47	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	F	0.24	U	F	0.24	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	375-95-1	Perfluorononanoic acid (PFNA)	F	12		F	0.35	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	754-91-6	Perfluorooctane Sulfonamide (FOSA)	F	1.3	J	F	0.36	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	F	260		F	0.17	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	335-67-1	Perfluorooctanoic acid (PFOA)	F	130		F	0.53	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	F	17		F	0.3	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	2706-90-3	Perfluoropentanoic acid (PFPeA)	F	160		F	0.12	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	376-06-7	Perfluorotetradecanoic acid (PFTeA)	F	0.36	U	F	0.36	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	F	0.26	U	F	0.26	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-001	2058-94-8	Perfluoroundecanoic acid (PFUnA)	F	0.24	U	F	0.24	EPA 1633
33502	WL	8/27/2024	RFS01-15.2408034-008	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	D	0.37	U	FJ	0.37	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	27619-97-2	6:2 fluorotelomersulfonic acid	D	37		FJ	0.39	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	39108-34-4	8:2 fluorotelomersulfonic acid	D	16		FJ	0.63	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	D	0.35	U	FJ	0.35	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	D	0.47	U	FJ	0.47	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	13252-13-6	Perfluoro-2-propoxypropionic acid	D	0.7	U	FJ	0.7	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	375-73-5	Perfluorobutanesulfonic acid (PFBS)	D	12		FJ	0.35	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	375-22-4	Perfluorobutanoic acid (PFBA)	D	59		FJ	0.24	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	335-77-3	Perfluorodecanesulfonic acid (PFDS)	D	0.56	U	FJ	0.56	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	335-76-2	Perfluorodecanoic acid (PFDA)	D	3.2		FJ	0.34	PFC_IDA_DOD5.3

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
33502	WL	8/27/2024	RFS01-15.2408034-008	307-55-1	Perfluorododecanoic acid (PFDoA)	D	0.43	U	FJ	0.43	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	D	3.9		FJ	0.72	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	375-85-9	Perfluoroheptanoic acid (PFHpA)	D	94		FJ	0.49	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	D	150		FJ	0.39	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	307-24-4	Perfluorohexanoic acid (PFHxA)	D	110		FJ	0.56	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	67905-19-5	Perfluoro-n-hexadecanoic acid (PFHxDA)	D	0.53	U	FJ	0.53	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	D	0.61	U N *	FJ	0.61	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	D	0.56	U H	FJ	0.56	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	D	0.67	U	FJ	0.67	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	375-95-1	Perfluorononanoic acid (PFNA)	D	12		FJ	0.57	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	754-91-6	Perfluorooctane Sulfonamide (FOSA)	D	0.53	J	FJ	0.53	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	D	260		FJ	0.59	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	335-67-1	Perfluorooctanoic acid (PFOA)	D	100		FJ	0.57	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	D	19		FJ	0.52	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	2706-90-3	Perfluoropentanoic acid (PFPeA)	D	230		FJ	0.24	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	376-06-7	Perfluorotetradecanoic acid (PFTeA)	D	0.52	U	FJ	0.52	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	D	0.7	U	FJ	0.7	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-008	2058-94-8	Perfluoroundecanoic acid (PFUnA)	D	0.74	U	FJ	0.74	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	F	0.33	U	FJ	0.33	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	27619-97-2	6:2 fluorotelomersulfonic acid	F	39		FJ	0.35	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	39108-34-4	8:2 fluorotelomersulfonic acid	F	16		FJ	0.57	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	F	0.31	U	FJ	0.31	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	F	0.42	U	FJ	0.42	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	13252-13-6	Perfluoro-2-propoxypropionic acid	F	0.64	U	FJ	0.64	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	375-73-5	Perfluorobutanesulfonic acid (PFBS)	F	16		FJ	0.31	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	375-22-4	Perfluorobutanoic acid (PFBA)	F	68		FJ	0.22	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	335-77-3	Perfluorodecanesulfonic acid (PFDS)	F	0.51	U	FJ	0.51	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	335-76-2	Perfluorodecanoic acid (PFDA)	F	3		FJ	0.3	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	307-55-1	Perfluorododecanoic acid (PFDoA)	F	0.39	U	FJ	0.39	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	F	3.7		FJ	0.66	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	375-85-9	Perfluoroheptanoic acid (PFHpA)	F	95		FJ	0.44	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	F	140		FJ	0.35	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	307-24-4	Perfluorohexanoic acid (PFHxA)	F	94		FJ	0.51	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	67905-19-5	Perfluoro-n-hexadecanoic acid (PFHxDA)	F	0.48	U	FJ	0.48	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	F	0.55	U	FJ	0.55	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	F	0.61	U	FJ	0.61	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	375-95-1	Perfluorononanoic acid (PFNA)	F	12		FJ	0.52	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	754-91-6	Perfluorooctane Sulfonamide (FOSA)	F	0.48	U	FJ	0.48	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	F	260		FJ	0.54	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	335-67-1	Perfluorooctanoic acid (PFOA)	F	98		FJ	0.52	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	F	18		FJ	0.47	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	2706-90-3	Perfluoropentanoic acid (PFPeA)	F	160		FJ	0.22	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	376-06-7	Perfluorotetradecanoic acid (PFTeA)	F	0.47	U	FJ	0.47	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	F	0.64	U	FJ	0.64	PFC_IDA_DOD5.3
33502	WL	8/27/2024	RFS01-15.2408034-001	2058-94-8	Perfluoroundecanoic acid (PFUnA)	F	0.67	U	FJ	0.67	PFC_IDA_DOD5.3

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
33905	WL	8/27/2024	RFS01-15.2408034-002	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	F	0.24	U	F	0.24	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	F	0.63	U	F	0.63	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	812-70-4	3-Perfluoroheptyl propanoic acid	F	1.2	U	F	1.2	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	356-02-5	3-Perfluoropropyl propanoic acid	F	0.53	U	F	0.53	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	F	0.21	U	F	0.21	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	F	0.47	U	F	0.47	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	27619-97-2	6:2 fluorotelomersulfonic acid	F	1.6	U	F	1.6	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	39108-34-4	8:2 fluorotelomersulfonic acid	F	1.4	U	F	1.4	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	F	0.25	U	F	0.25	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	4151-50-2	N-ethyl perfluorooctanesulfonamide	F	0.63	U	F	0.63	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	F	0.46	U N	F	0.46	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol	F	1.3	U	F	1.3	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	31506-32-8	N-methyl perfluorooctanesulfonamide	F	0.54	U	F	0.54	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	F	0.68	U	F	0.68	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol	F	1.4	U	F	1.4	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	F	0.45	U	F	0.45	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	F	0.15	U	F	0.15	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	13252-13-6	Perfluoro-2-propoxypropionic acid	F	0.45	U	F	0.45	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	377-73-1	Perfluoro-3-methoxypropanoic acid	F	0.13	U	F	0.13	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	863090-89-5	Perfluoro-4-methoxybutanoic acid	F	0.17	U	F	0.17	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	375-73-5	Perfluorobutanesulfonic acid (PFBS)	F	20		F	0.6	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	375-22-4	Perfluorobutanoic acid (PFBA)	F	35		F	0.21	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	335-77-3	Perfluorodecanesulfonic acid (PFDS)	F	0.24	U	F	0.24	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	335-76-2	Perfluorodecanoic acid (PFDA)	F	0.17	U	F	0.17	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	79780-39-5	Perfluorododecanesulfonic acid	F	0.39	U *	F	0.39	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	307-55-1	Perfluorododecanoic acid (PFDoA)	F	0.14	U	F	0.14	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	F	0.36	U	F	0.36	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	375-85-9	Perfluoroheptanoic acid (PFHpA)	F	31		F	0.17	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	F	150		F	0.6	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	307-24-4	Perfluorohexanoic acid (PFHxA)	F	54		F	0.45	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	F	0.22	U	F	0.22	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	375-95-1	Perfluorononanoic acid (PFNA)	F	3.5		F	0.33	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	754-91-6	Perfluorooctane Sulfonamide (FOSA)	F	0.53	J	FJ	0.34	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	F	110		F	0.16	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	335-67-1	Perfluorooctanoic acid (PFOA)	F	38		F	0.5	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	F	22		F	0.28	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	2706-90-3	Perfluoropentanoic acid (PFPeA)	F	81		F	0.11	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	376-06-7	Perfluorotetradecanoic acid (PFTeA)	F	0.33	U	F	0.33	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	F	0.25	U	F	0.25	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	2058-94-8	Perfluoroundecanoic acid (PFUnA)	F	0.22	U	F	0.22	EPA 1633
33905	WL	8/27/2024	RFS01-15.2408034-002	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	F	0.35	U	FJ	0.35	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	27619-97-2	6:2 fluorotelomersulfonic acid	F	0.46	J	FJU	0.36	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	39108-34-4	8:2 fluorotelomersulfonic acid	F	0.59	U	FJ	0.59	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	F	0.33	U	FJ	0.33	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	F	0.44	U	FJ	0.44	PFC_IDA_DOD5.3

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
33905	WL	8/27/2024	RFS01-15.2408034-002	13252-13-6	Perfluoro-2-propoxypropionic acid	F	0.66	U	FJ	0.66	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	375-73-5	Perfluorobutanesulfonic acid (PFBS)	F	23		FJ	0.33	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	375-22-4	Perfluorobutanoic acid (PFBA)	F	37		FJ	0.23	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	335-77-3	Perfluorodecanesulfonic acid (PFDS)	F	0.53	U	FJ	0.53	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	335-76-2	Perfluorodecanoic acid (PFDA)	F	0.48	J	FJ	0.32	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	307-55-1	Perfluorododecanoic acid (PFDoA)	F	0.4	U	FJ	0.4	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	F	2.7		FJ	0.68	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	375-85-9	Perfluoroheptanoic acid (PFHpA)	F	33		FJ	0.46	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	F	180		FJ	0.36	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	307-24-4	Perfluorohexanoic acid (PFHxA)	F	57		FJ	0.53	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	67905-19-5	Perfluoro-n-hexadecanoic acid (PFHxDA)	F	0.5	U	FJ	0.5	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	F	0.58	U	FJ	0.58	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	F	0.63	U	FJ	0.63	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	375-95-1	Perfluorononanoic acid (PFNA)	F	3		FJ	0.54	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	754-91-6	Perfluorooctane Sulfonamide (FOSA)	F	0.5	U	FJ	0.5	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	F	120		FJ	0.56	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	335-67-1	Perfluorooctanoic acid (PFOA)	F	33		FJ	0.54	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	F	22		FJ	0.49	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	2706-90-3	Perfluoropentanoic acid (PFPeA)	F	53		FJ	0.23	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	376-06-7	Perfluorotetradecanoic acid (PFTeA)	F	0.49	U	FJ	0.49	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	F	0.66	U	FJ	0.66	PFC_IDA_DOD5.3
33905	WL	8/27/2024	RFS01-15.2408034-002	2058-94-8	Perfluoroundecanoic acid (PFUnA)	F	0.7	U	FJ	0.7	PFC_IDA_DOD5.3
NNG01	SL	9/30/2024	RFS01-18.2409009-010	763051-92-9	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid	F	0.24	U		0.24	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	F	0.64	U		0.64	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	812-70-4	3-Perfluoroheptyl propanoic acid	F	1.3	U		1.3	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	356-02-5	3-Perfluoropropyl propanoic acid	F	0.54	U		0.54	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	F	0.22	U		0.22	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	F	0.48	U		0.48	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	27619-97-2	6:2 fluorotelomersulfonic acid	F	1.6	U		1.6	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	39108-34-4	8:2 fluorotelomersulfonic acid	F	1.4	U		1.4	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	F	0.25	U		0.25	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	4151-50-2	N-ethyl perfluorooctanesulfonamide	F	0.64	U		0.64	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	F	0.47	U		0.47	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol	F	1.3	U		1.3	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	31506-32-8	N-methyl perfluorooctanesulfonamide	F	0.55	U		0.55	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	F	0.7	U		0.7	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol	F	1.5	U		1.5	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	F	0.46	U		0.46	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	F	0.15	U		0.15	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	13252-13-6	Perfluoro-2-propoxypropionic acid	F	0.46	U		0.46	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	377-73-1	Perfluoro-3-methoxypropanoic acid	F	0.13	U		0.13	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	863090-89-5	Perfluoro-4-methoxybutanoic acid	F	0.18	U		0.18	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	375-73-5	Perfluorobutanesulfonic acid (PFBS)	F	3.4			0.61	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	375-22-4	Perfluorobutanoic acid (PFBA)	F	87			0.22	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	335-77-3	Perfluorodecanesulfonic acid (PFDS)	F	0.25	U		0.25	EPA 1633



Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
NNG01	SL	9/30/2024	RFS01-18.2409009-010	335-76-2	Perfluorodecanoic acid (PFDA)	F	0.17	U		0.17	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	79780-39-5	Perfluorododecanesulfonic acid	F	0.4	U		0.4	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	307-55-1	Perfluorododecanoic acid (PFDoA)	F	0.14	U		0.14	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	F	0.37	U		0.37	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	375-85-9	Perfluoroheptanoic acid (PFHpA)	F	16			0.17	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	F	16			0.61	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	307-24-4	Perfluorohexanoic acid (PFHxA)	F	31			0.45	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	F	0.23	U		0.23	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	375-95-1	Perfluorononanoic acid (PFNA)	F	1.8			0.34	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	754-91-6	Perfluorooctane Sulfonamide (FOSA)	F	1.5	J	J	0.35	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	F	23			0.16	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	335-67-1	Perfluorooctanoic acid (PFOA)	F	93			0.51	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	F	1.9		J	0.29	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	2706-90-3	Perfluoropentanoic acid (PFPeA)	F	32		J	0.11	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	376-06-7	Perfluorotetradecanoic acid (PFTeA)	F	0.34	U		0.34	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	F	0.25	U		0.25	EPA 1633
NNG01	SL	9/30/2024	RFS01-18.2409009-010	2058-94-8	Perfluoroundecanoic acid (PFUnA)	F	0.23	U		0.23	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	763051-92-9	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	F	0.2	U		0.2	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	F	0.53	U		0.53	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	812-70-4	3-Perfluoroheptyl propanoic acid	F	1.1	U		1.1	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	356-02-5	3-Perfluoropropyl propanoic acid	F	0.45	U		0.45	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	F	0.18	U		0.18	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	F	0.4	U		0.4	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	27619-97-2	6:2 fluorotelomersulfonic acid	F	1.4	U		1.4	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	39108-34-4	8:2 fluorotelomersulfonic acid	F	1.2	U		1.2	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	F	0.21	U		0.21	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	4151-50-2	N-ethyl perfluorooctanesulfonamide	F	0.53	U		0.53	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	F	0.39	U N		0.39	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol	F	1.1	U		1.1	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	31506-32-8	N-methyl perfluorooctanesulfonamide	F	0.46	U		0.46	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	F	0.58	U		0.58	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol	F	1.2	U		1.2	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	F	0.39	U		0.39	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	F	0.12	U		0.12	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	13252-13-6	Perfluoro-2-propoxypropionic acid	F	0.39	U		0.39	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	377-73-1	Perfluoro-3-methoxypropanoic acid	F	0.11	U		0.11	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	863090-89-5	Perfluoro-4-methoxybutanoic acid	F	0.18	J		0.15	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	375-73-5	Perfluorobutanesulfonic acid (PFBS)	F	11			0.51	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	375-22-4	Perfluorobutanoic acid (PFBA)	F	43			0.18	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	335-77-3	Perfluorodecanesulfonic acid (PFDS)	F	0.21	U		0.21	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	335-76-2	Perfluorodecanoic acid (PFDA)	F	0.14	U		0.14	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	79780-39-5	Perfluorododecanesulfonic acid	F	0.33	U *		0.33	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	307-55-1	Perfluorododecanoic acid (PFDoA)	F	0.12	U		0.12	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	F	0.31	U		0.31	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	375-85-9	Perfluoroheptanoic acid (PFHpA)	F	5.3			0.15	EPA 1633

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	F	12			0.51	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	307-24-4	Perfluorohexanoic acid (PFHxA)	F	11			0.38	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	F	0.19	U		0.19	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	375-95-1	Perfluorononanoic acid (PFNA)	F	0.28	U		0.28	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	754-91-6	Perfluorooctane Sulfonamide (FOSA)	F	0.65	J		0.29	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	F	2.5		J	0.13	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	335-67-1	Perfluorooctanoic acid (PFOA)	F	10			0.42	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	F	5.9			0.24	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	2706-90-3	Perfluoropentanoic acid (PFPeA)	F	25			0.094	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	376-06-7	Perfluorotetradecanoic acid (PFTeA)	F	0.28	U		0.28	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	F	0.21	U		0.21	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	2058-94-8	Perfluoroundecanoic acid (PFUnA)	F	0.19	U		0.19	EPA 1633
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	F	0.3	U	J	0.3	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	27619-97-2	6:2 fluorotelomersulfonic acid	F	0.31	U	J	0.31	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	39108-34-4	8:2 fluorotelomersulfonic acid	F	0.51	U	J	0.51	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	F	0.28	U	J	0.28	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	F	0.38	U	J	0.38	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	13252-13-6	Perfluoro-2-propoxypropionic acid	F	0.57	U	J	0.57	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	375-73-5	Perfluorobutanesulfonic acid (PFBS)	F	12		J	0.28	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	375-22-4	Perfluorobutanoic acid (PFBA)	F	43		J	0.2	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	335-77-3	Perfluorodecanesulfonic acid (PFDS)	F	0.45	U	J	0.45	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	335-76-2	Perfluorodecanoic acid (PFDA)	F	0.27	U	J	0.27	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	307-55-1	Perfluorododecanoic acid (PFDoA)	F	0.35	U	J	0.35	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	F	0.59	U	J	0.59	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	375-85-9	Perfluoroheptanoic acid (PFHpA)	F	4.7		J	0.4	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	F	12		J	0.31	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	307-24-4	Perfluorohexanoic acid (PFHxA)	F	12		J	0.45	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	67905-19-5	Perfluoro-n-hexadecanoic acid (PFHxDA)	F	0.43	U	J	0.43	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	F	0.49	U	J	0.49	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	F	0.54	U	J	0.54	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	375-95-1	Perfluorononanoic acid (PFNA)	F	0.66	J	J	0.46	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	754-91-6	Perfluorooctane Sulfonamide (FOSA)	F	0.43	U	J	0.43	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	F	2.8		J	0.48	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	335-67-1	Perfluorooctanoic acid (PFOA)	F	10		J	0.46	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	F	5.9		J	0.42	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	2706-90-3	Perfluoropentanoic acid (PFPeA)	F	15		J	0.2	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	376-06-7	Perfluorotetradecanoic acid (PFTeA)	F	0.42	U	J	0.42	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	F	0.57	U	J	0.57	PFC_IDA_DOD5.3
OLFSEEP8	SL	8/27/2024	RFS01-15.2408034-003	2058-94-8	Perfluoroundecanoic acid (PFUnA)	F	0.6	U	J	0.6	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	763051-92-9	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid	D	0.2	U		0.2	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	D	21			0.53	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	812-70-4	3-Perfluoroheptyl propanoic acid	D	1	U		1	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	356-02-5	3-Perfluoropropyl propanoic acid	D	0.45	U		0.45	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	D	0.18	U		0.18	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	D	0.4	U		0.4	EPA 1633

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	27619-97-2	6:2 fluorotelomersulfonic acid	D	1.3	U		1.3	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	39108-34-4	8:2 fluorotelomersulfonic acid	D	1.2	U		1.2	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	D	0.21	U		0.21	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	4151-50-2	N-ethyl perfluorooctanesulfonamide	D	0.53	U		0.53	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	D	30			0.41	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol	D	1.1	U		1.1	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	31506-32-8	N-methyl perfluorooctanesulfonamide	D	0.46	U		0.46	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	D	0.57	U		0.57	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol	D	1.2	U		1.2	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	151772-58-6	Nonafluoro-3,6-dioxaheptanoic acid	D	0.38	U		0.38	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	D	0.12	U		0.12	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	13252-13-6	Perfluoro-2-propoxypropionic acid	D	0.38	U		0.38	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	377-73-1	Perfluoro-3-methoxypropanoic acid	D	0.11	U		0.11	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	863090-89-5	Perfluoro-4-methoxybutanoic acid	D	0.15	U		0.15	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	375-73-5	Perfluorobutanesulfonic acid (PFBS)	D	1.1	J		0.5	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	375-22-4	Perfluorobutanoic acid (PFBA)	D	51			0.18	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	335-77-3	Perfluorodecanesulfonic acid (PFDS)	D	0.2	U		0.2	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	335-76-2	Perfluorodecanoic acid (PFDA)	D	0.14	U		0.14	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	79780-39-5	Perfluorododecanesulfonic acid	D	0.33	U*		0.33	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	307-55-1	Perfluorododecanoic acid (PFDoA)	D	0.12	U		0.12	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	D	0.3	U		0.3	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	375-85-9	Perfluoroheptanoic acid (PFHpA)	D	9.7			0.14	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	D	8.4			0.5	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	307-24-4	Perfluorohexanoic acid (PFHxA)	D	18			0.38	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	D	0.19	U		0.19	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	375-95-1	Perfluorononanoic acid (PFNA)	D	0.28	U	J	0.28	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	754-91-6	Perfluorooctane Sulfonamide (FOSA)	D	0.28	U	J	0.28	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	D	18			0.13	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	335-67-1	Perfluorooctanoic acid (PFOA)	D	52			0.42	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	D	0.24	U		0.24	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	2706-90-3	Perfluoropentanoic acid (PFPeA)	D	15		J	0.093	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	376-06-7	Perfluorotetradecanoic acid (PFTeA)	D	0.28	U		0.28	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	D	0.21	U		0.21	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	2058-94-8	Perfluoroundecanoic acid (PFUnA)	D	0.19	U		0.19	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	763051-92-9	11-Chloroeicosafuoro-3-oxaundecane-1-sulfonic acid	F	0.22	U		0.22	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	914637-49-3	2H,2H,3H,3H-Perfluorooctanoic acid	F	17			0.58	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	812-70-4	3-Perfluoroheptyl propanoic acid	F	1.2	U		1.2	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	356-02-5	3-Perfluoropropyl propanoic acid	F	0.5	U		0.5	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	919005-14-4	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	F	0.2	U		0.2	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	F	0.44	U		0.44	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	27619-97-2	6:2 fluorotelomersulfonic acid	F	1.5	U		1.5	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	39108-34-4	8:2 fluorotelomersulfonic acid	F	1.3	U		1.3	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	756426-58-1	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	F	0.23	U		0.23	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	4151-50-2	N-ethyl perfluorooctanesulfonamide	F	0.59	U		0.59	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	F	27			0.41	EPA 1633

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	1691-99-2	N-ethyl perfluorooctanesulfonamidoethanol	F	1.2	U		1.2	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	31506-32-8	N-methyl perfluorooctanesulfonamide	F	0.51	U		0.51	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	F	0.64	U		0.64	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	24448-09-7	N-methyl perfluorooctanesulfonamidoethanol	F	1.3	U		1.3	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	151772-58-6	Nonafluoro-3,6-dioxahexanoic acid	F	0.42	U		0.42	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	113507-82-7	Perfluoro(2-ethoxyethane)sulfonic acid	F	0.14	U		0.14	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	13252-13-6	Perfluoro-2-propoxypropionic acid	F	0.42	U		0.42	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	377-73-1	Perfluoro-3-methoxypropanoic acid	F	0.12	U		0.12	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	863090-89-5	Perfluoro-4-methoxybutanoic acid	F	0.16	U		0.16	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	375-73-5	Perfluorobutanesulfonic acid (PFBS)	F	1.5	J		0.56	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	375-22-4	Perfluorobutanoic acid (PFBA)	F	50			0.2	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	335-77-3	Perfluorodecanesulfonic acid (PFDS)	F	0.23	U		0.23	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	335-76-2	Perfluorodecanoic acid (PFDA)	F	0.16	U		0.16	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	79780-39-5	Perfluorododecanesulfonic acid	F	0.37	U*		0.37	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	307-55-1	Perfluorododecanoic acid (PFDoA)	F	0.13	U		0.13	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	F	0.34	U		0.34	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	375-85-9	Perfluoroheptanoic acid (PFHpA)	F	9.3			0.16	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	F	8.1			0.56	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	307-24-4	Perfluorohexanoic acid (PFHxA)	F	24			0.42	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	F	0.21	U		0.21	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	375-95-1	Perfluorononanoic acid (PFNA)	F	0.31	U		0.31	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	754-91-6	Perfluorooctane Sulfonamide (FOSA)	F	1.4	J	J	0.32	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	F	18			0.15	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	335-67-1	Perfluorooctanoic acid (PFOA)	F	54			0.46	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	F	0.27	U		0.27	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	2706-90-3	Perfluoropentanoic acid (PFPeA)	F	18		J	0.1	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	376-06-7	Perfluorotetradecanoic acid (PFTeA)	F	0.31	U		0.31	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	F	0.23	U		0.23	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	2058-94-8	Perfluoroundecanoic acid (PFUnA)	F	0.21	U		0.21	EPA 1633
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	D	0.33	U	J	0.33	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	27619-97-2	6:2 fluorotelomersulfonic acid	D	1.1	J	J	0.35	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	39108-34-4	8:2 fluorotelomersulfonic acid	D	1.7	J	J	0.57	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	D	32		J	0.31	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	D	1.5	J	J	0.43	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	13252-13-6	Perfluoro-2-propoxypropionic acid	D	0.64	U	J	0.64	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	375-73-5	Perfluorobutanesulfonic acid (PFBS)	D	1.1	J	J	0.31	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	375-22-4	Perfluorobutanoic acid (PFBA)	D	52		J	0.22	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	335-77-3	Perfluorodecanesulfonic acid (PFDS)	D	1.4	J	J	0.51	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	335-76-2	Perfluorodecanoic acid (PFDA)	D	0.85	J	J	0.31	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	307-55-1	Perfluorododecanoic acid (PFDoA)	D	0.39	U	J	0.39	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	D	0.66	U	J	0.66	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	375-85-9	Perfluoroheptanoic acid (PFHpA)	D	9.3		J	0.44	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	D	9.4		J	0.35	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	307-24-4	Perfluorohexanoic acid (PFHxA)	D	20		J	0.51	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	67905-19-5	Perfluoro-n-hexadecanoic acid (PFHxDA)	D	0.48	U	J	0.48	PFC_IDA_DOD5.3

Table 2. Analytical Results for Water Samples (continued)

Location Code	Location Type	Date Sampled	Sample Code	CAS No.	Analyte	Sample Type	Result (ng/L)	Lab Qualifier	Data Validation Qualifier	Detection Limit (ng/L)	Analytical Method
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	D	0.56	U N *	J	0.56	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	D	0.53	U H	J	0.53	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	D	0.61	U	J	0.61	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	375-95-1	Perfluorononanoic acid (PFNA)	D	1	J	J	0.52	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	754-91-6	Perfluorooctane Sulfonamide (FOSA)	D	0.9	J	J	0.48	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	D	22		J	0.54	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	335-67-1	Perfluorooctanoic acid (PFOA)	D	49		J	0.52	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	D	1.1	J	J	0.47	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	2706-90-3	Perfluoropentanoic acid (PFPeA)	D	10		J	0.22	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	376-06-7	Perfluorotetradecanoic acid (PFTeA)	D	0.47	U	J	0.47	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	D	0.64	U	J	0.64	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-009	2058-94-8	Perfluoroundecanoic acid (PFUnA)	D	0.68	U	J	0.68	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	757124-72-4	4:2 Fluorotelomer sulfonate (4:2 FTS)	F	0.3	U	J	0.3	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	27619-97-2	6:2 fluorotelomersulfonic acid	F	1.1	J	JU	0.32	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	39108-34-4	8:2 fluorotelomersulfonic acid	F	1.4	J	J	0.52	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	2991-50-6	N-ethyl perfluorooctanesulfonamidoacetic acid	F	27		J	0.29	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	2355-31-9	N-methyl perfluorooctanesulfonamidoacetic acid	F	1.2	J	J	0.39	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	13252-13-6	Perfluoro-2-propoxypropionic acid	F	0.58	U	J	0.58	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	375-73-5	Perfluorobutanesulfonic acid (PFBS)	F	1.3	J	J	0.29	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	375-22-4	Perfluorobutanoic acid (PFBA)	F	49		J	0.2	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	335-77-3	Perfluorodecanesulfonic acid (PFDS)	F	0.77	J	J	0.46	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	335-76-2	Perfluorodecanoic acid (PFDA)	F	0.67	J	J	0.28	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	307-55-1	Perfluorododecanoic acid (PFDoA)	F	0.35	U	J	0.35	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	375-92-8	Perfluoroheptanesulfonic Acid (PFHpS)	F	0.6	U	J	0.6	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	375-85-9	Perfluoroheptanoic acid (PFHpA)	F	7.7		J	0.41	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	F	9.2		J	0.32	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	307-24-4	Perfluorohexanoic acid (PFHxA)	F	16		J	0.46	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	67905-19-5	Perfluoro-n-hexadecanoic acid (PFHxDA)	F	0.44	U	J	0.44	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	16517-11-6	Perfluoro-n-octadecanoic acid (PFODA)	F	0.51	U	J	0.51	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	68259-12-1	Perfluorononane Sulfonic acid (PFNS)	F	0.56	U	J	0.56	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	375-95-1	Perfluorononanoic acid (PFNA)	F	0.83	J	J	0.47	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	754-91-6	Perfluorooctane Sulfonamide (FOSA)	F	0.56	J	J	0.44	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	F	18		J	0.49	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	335-67-1	Perfluorooctanoic acid (PFOA)	F	45		J	0.47	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	2706-91-4	Perfluoropentane Sulfonic acid (PFPS)	F	1.4	J	J	0.43	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	2706-90-3	Perfluoropentanoic acid (PFPeA)	F	6.5		J	0.2	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	376-06-7	Perfluorotetradecanoic acid (PFTeA)	F	0.43	U	J	0.43	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	72629-94-8	Perfluorotridecanoic Acid (PFTriA)	F	0.58	U	J	0.58	PFC_IDA_DOD5.3
PLFSYSEFF	TS	8/27/2024	RFS01-15.2408034-004	2058-94-8	Perfluoroundecanoic acid (PFUnA)	F	0.62	U	J	0.62	PFC_IDA_DOD5.3

**Notes:**

All samples were analyzed by TestAmerica Laboratories, Inc.  
All samples were unfiltered.

**Abbreviations:**

\* = relative percent difference exceeded the control limit  
CAS No. = Chemical Abstracts Service registry number  
E = equipment rinse

Table 2. Analytical Results for Water Samples (continued)

**Abbreviations (continued):**

F (Data Validation Qualifier column) = low-flow technique was used  
F (Sample Type column) = field  
FB = field blank  
H = sample was prepared or analyzed beyond the specified hold time  
J = estimated  
N = recovery exceeds control limits  
Q = qualitative  
QC = quality control (dummy location code)  
SL = surface location  
TS = treatment system location  
U = analytical result below detection limit  
WL = well

Table 3. Field Parameter Results for Water Samples

Location Code	Date Sampled	Parameter	Result	Unit
33502	8/27/2024	Turbidity	7.88	NTU
33502	8/27/2024	Alkalinity, total (as CaCO <sub>3</sub> )	969	mg/L
33502	8/27/2024	Specific conductance	2518	µmho/cm
33502	8/27/2024	pH	7.19	s.u.
33502	8/27/2024	Temperature	18.08	°C
33905	8/27/2024	Turbidity	9.89	NTU
33905	8/27/2024	Alkalinity, total (as CaCO <sub>3</sub> )	238	mg/L
33905	8/27/2024	Specific conductance	960	µmho/cm
33905	8/27/2024	pH	6.81	s.u.
33905	8/27/2024	Temperature	18.45	°C
NNG01	9/30/2024	Turbidity	37.4	NTU
NNG01	9/30/2024	Alkalinity, total (as CaCO <sub>3</sub> )	352	mg/L
NNG01	9/30/2024	Specific conductance	904	µmho/cm
NNG01	9/30/2024	pH	7.24	s.u.
NNG01	9/30/2024	Temperature	23.195	°C
OLFSEEP8	8/27/2024	Turbidity	23.4	NTU
OLFSEEP8	8/27/2024	Alkalinity, total (as CaCO <sub>3</sub> )	416	mg/L
OLFSEEP8	8/27/2024	Specific conductance	1721	µmho/cm
OLFSEEP8	8/27/2024	pH	6.5	s.u.
OLFSEEP8	8/27/2024	Temperature	21.6	°C
PLFSYSEFF	8/27/2024	Turbidity	36.9	NTU
PLFSYSEFF	8/27/2024	Alkalinity, total (as CaCO <sub>3</sub> )	576	mg/L
PLFSYSEFF	8/27/2024	Specific conductance	1183	µmho/cm
PLFSYSEFF	8/27/2024	pH	7.06	s.u.
PLFSYSEFF	8/27/2024	Temperature	22.46	°C

**Abbreviations:**

CaCO<sub>3</sub> = calcium carbonate  
 mg/L = milligrams per liter  
 µmho/cm = micromhos per centimeter  
 NTU = nephelometric turbidity units  
 s.u. = standard unit