EMID-702558

N3B-Los Alamos
1200 Trinity Drive, Suite 150
Los Alamos, New Mexico 87544
(505) 257-7690

Environmental Management
Los Alamos Field Office
1200 Trinity Drive, Suite 400
Los Alamos, New Mexico 87544
(505) 562-1122

Date: January 30, 2023
Refer To: N3B-2023-0008

Shelly Lemon, Chief
Surface Water Quality Bureau
New Mexico Environment Department
1190 S. St. Francis Drive
P.O. Box 5469
Santa Fe, NM 87502-5469

Subject: Submittal of the 2022 Annual Data Report for Per- and Polyfluoroalkyl Substances in Stormwater

Dear Ms. Lemon:

This letter and enclosures are being submitted in accordance with the requirements of the "Newport News Nuclear BWXT-Los Alamos, LLC and United States Department of Energy, Environmental Management, Los Alamos Field Office Sampling and Reporting Plan for Per- and Polyfluoroalkyl Substances in Storm Water" (SARP). The SARP became effective on December 6, 2021. The SARP is a result of the settlement agreement regarding Newport News Nuclear BWXT-Los Alamos, LLC (N3B) and the U.S. Department of Energy's (DOE's) petition for review of the state certification of the "Los Alamos National Laboratory National Pollutant Discharge Elimination System Individual Storm Water Permit No. NM0030759," filed December 30, 2020. The SARP was developed with collaboration and concurrence between N3B, DOE, and the New Mexico Environment Department Surface Water Quality Bureau (NMED-SWQB).

This annual report shall be prepared and submitted to NMED-SWQB as specified in the SARP:

> Reporting: N3B and DOE will submit an annual PFAS data report to the NMED-SWQB Point Source Program Manager by January 31st after each sampling year (e.g., January 31, 2023 for the 2022 sampling season, etc.). In the annual report, N3B and DOE will detail the attempts made to collect a sample, including reasons why the sample could not be collected, and total samples collected to date. N3B and DOE will validate the PFAS data in accordance with N3B and DOE administrative procedures. The PFAS data will be validated within one month of receiving the final analytical report for the sampling season from the analytical lab. N3B and DOE will upload PFAS data to Intellus within one week of validation.

If you have questions, please contact Christian Maupin at (505) 695-4281 (christian.maupin@em-la.doe.gov) or Cheryl Rodriguez at (505) 414-0450 (cheryl.rodriguez@em.doe.gov).

Sincerely,

Troy Thomson
Program Manager
Environmental Remediation
N3B-Los Alamos

Sincerely,

Digitally signed by BRIAN HARCEK
Date: 2023.01.27 16:29:44 -07'00'

For
M. Lee Bishop, Director
Office of Quality and Regulatory Compliance
U.S. Department of Energy
Environmental Management
Los Alamos Field Office

Enclosure(s): Two hard copies with electronic files:
1. 2022 Annual Data Report for Per- and Polyfluoroalkyl Substances in Stormwater (EM2023-0025)

cc (letter with CD enclosure[s]):
Carol Johnson, EPA Region 6, Dallas, TX
Steve Yanicak, NMED-DOE-OB
emla.docs@em.doe.gov
n3brecords@em-la.doe.gov
Public Reading Room (EPRR)
PRS website

cc (letter and enclosure[s] emailed):
Ruben Alayon-Gonzalez, EPA Region 6, Dallas, TX
Esteban Herrera, EPA Region 6, Dallas, TX
Curry Jones, EPA Region 6, Dallas, TX
Laurie King, EPA Region 6, Dallas, TX
Brent Larsen, EPA Region 6, Dallas, TX
Levi Dean, NMED-SWQB
Susan Lucas-Kamat, NMED-SWQB
Arturo Duran, EM-LA
John Evans, EM-LA
Aubrey Pierce, EM-LA
Michael Mikolanis, EM-LA
David Nickless, EM-LA
Cheryl Rodriguez, EM-LA
Jennifer Payne, LANL
Stephen Hoffman, NA-LA
William Alexander, N3B
Michael Erickson, N3B

Audrey Krehlik, N3B
Kim Lebak, N3B
Dana Lindsay, N3B
Christian Maupin, N3B
Micah Nichols, N3B
Karly Rodriguez, N3B
Shannon Smith, N3B
Jennifer von Rohr, N3B
Amanda White, N3B

2022 ANNUAL DATA REPORT FOR PER- AND POLYFLUOROALKYL SUBSTANCES IN STORMWATER

1.0 INTRODUCTION

This report provides information to the New Mexico Environment Department (NMED) concerning stormwater samples collected by Newport News Nuclear BWXT-Los Alamos, LLC (N3B) in 2022 for analysis of per- and polyfluoroalkyl substances (PFAS) under the "Sampling and Reporting Plan for Per- and Polyfluoroalkyl Substances in Storm Water" (SARP). The SARP is included as Exhibit B in the settlement agreement filed December 13, 2021, between the NMED Surface Water Quality Bureau and petitioners N3B and the U.S. Department of Energy (DOE) resolving the petition for review of the state certification of the Los Alamos National Laboratory stormwater Individual Permit, National Pollution Discharge Elimination System Permit Number NM0080759, filed December 30, 2020. All sample results and sample collection attempts are described in this report.

Monitoring year 2022 (March 2022 through November 2022) was the initial year of monitoring for PFAS in stormwater samples pursuant to the SARP. The SARP designated 15 locations for PFAS monitoring (Figure 1). Samples were collected and analyzed for PFAS at 3 out of the possible 15 locations: M-SMA-3, S-SMA-3.7, and PJ-SMA-2. At two locations, LA-SMA-4.2 and PJ-SMA-5, stormwater sample collection was attempted but an insufficient volume of water was collected to perform the PFAS analysis.

2.0 PFAS ANALYSIS

2.1 Analytical Method and Analysis

Pursuant to the SARP,

> Samples will be analyzed by an accredited lab pursuant to modified EPA Method 537.1 for all PFAS analytes tested by this method. However, if the new EPA draft Method 1633 (EPA 2021), "Analysis of Per- and Polyfluoroalkyl Substances (PFAS) in Aqueous, Solid, Biosolids, and Tissue Samples by LC-MS/MS" [1] is readily available for PFAS analysis by accredited labs within 21 days after initial sample collection, then samples will be analyzed using the new EPA draft Method 1633 for all PFAS analytes tested by this method instead.

When the first stormwater sample for PFAS was collected on July 30, 2022, GEL Laboratories, LLC (GEL) was in the process of completing their certification for PFAS analysis using U.S. Environmental Protection Agency (EPA) Draft Method 1633 (EPA 1633). GEL communicated that their certification would be completed in the 21-day required time period and intended to hold the samples until their National Environmental Laboratory Accreditation Program (NELAP) certification was complete. Therefore, GEL would be accredited to perform EPA 1633 before analyzing the samples for PFAS. With the understanding that the certification would be completed within the holding time for EPA 1633, N3B shipped samples to GEL for analysis. Two samples were sent to GEL on August 3, 2022, under chain of custody (COC) form N3B-2022-2651, and one sample was sent to GEL on August 23, 2022, under COC form N3B-2022-294. Sample information, shipping dates, receipt dates, and analysis dates for the three samples are identified in Table 1.

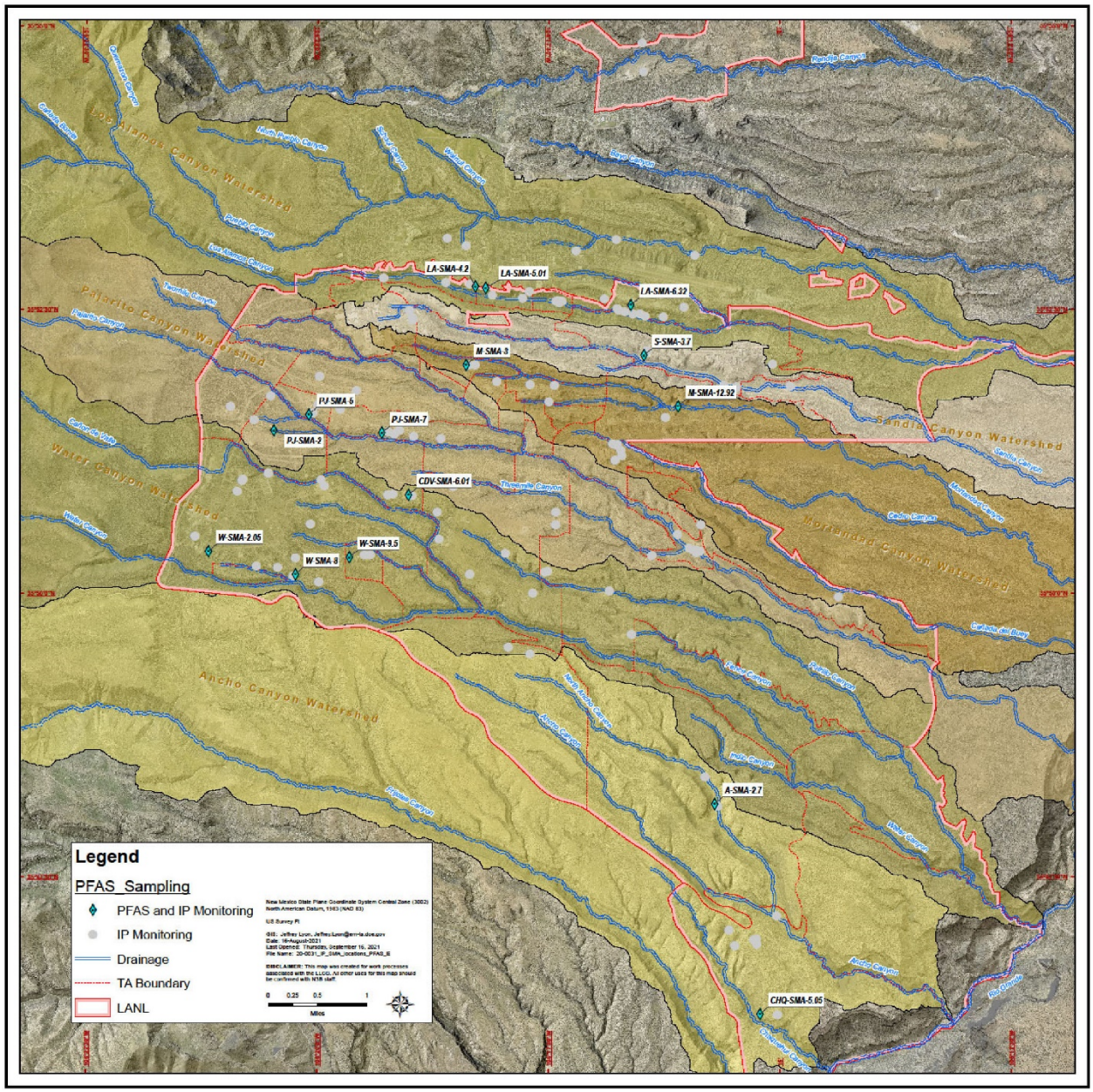

Figure 1. PFAS substances monitoring locations

Table 1
PFAS Sample Chain of Custody

Sample Location	COC	Sample Collection Date	Sample Retrieval Date	Sample Ship Date	Sample Receipt at GEL Date	Sample Analysis Date	GEL Result Report Date	Data Validation Date
M-SMA-3	N3B-2022-2651	07/30/2022	08/01/2022	08/03/2022	08/04/2022	11/06/2022	12/21/2022	12/22/2022
S-SMA-3.7	N3B-2022-2941	07/30/2022	08/17/2022	08/23/2022	08/24/2022	11/05/2022	11/29/2022	11/29/2022
PJ-SMA-2	N3B-2022-2651	07/31/2022	08/02/2022	08/03/2022	08/04/2022	11/16/2022	12/21/2022	12/22/2022

After receipt of the samples at GEL, GEL identified an error in the method detection limit (MDL) study after the certification package had been submitted to the accreditation body. As a result, GEL had to rescind the certification package, revise the MDL study, and resubmit the package. During this time, GEL experienced instrument failures, which delayed the MDL study further.

In the meantime, GEL was to freeze the samples to ensure holding times could still be met per EPA 1633. The sample associated with COC N3B-2022-2941 (WT_PFAS-22-243594) was inadvertently stored at ambient temperature. N3B directed GEL to do the analysis, narrate the temperature issue, and qualify the data appropriately.

GEL received their NELAP certification for EPA draft method 1633 on November 1, 2022.

Other quality control and instrumentation issues at GEL caused further delays in data receipt and led to data qualification. These issues are described below and grouped by COC.

2.1.1 COC N3B-2022-2651

The samples collected at M-SMA-3 and PJ-SMA-2, associated with COC N3B-2022-2651, were shipped on August 3, 2022, and arrived at GEL on August 4, 2022. Upon receipt by GEL the samples were placed into storage and frozen. The samples exceeded the 90-day holding time for frozen samples on October 28, 2022.

GEL received NELAP certification on November 1, 2022. The samples from M-SMA-3 (WT_PFAS-22-243591) and PJ-SMA-2 (WT_PFAS-22-243592) were prepped on November 5, 2022, and analyzed on November 6, 2022. The sample from PJ-SMA-2 required a re-analysis from the run on November 6, 2022, because of low recoveries of the internal standard and failures of the laboratory control sample (LCS) on the first analysis. The sample was re-prepped on November 13, 2022, and re-analyzed on November 16, 2022. The qualified data for M-SMA-3 and PJ-SMA-2 were reported to N3B on December 21, 2022.

All nondetected results were qualified as estimated (UJ) because the applicable holding-time requirement was exceeded by 1× during N3B data verification. The detected results were qualified as estimated with a low bias (J-) for the same reason.

2.1.2 COC N3B-2022-2941

The sample collected at S-SMA-3.7, which is associated with COC N3B-2022-2941, was shipped on August 23, 2022, and arrived at GEL on August 24, 2022. Upon arrival at GEL the samples were inadvertently stored at ambient temperature. Pursuant to EPA 1633 samples must be stored at 0–6°C in order to have a 28-day acceptable holding time. If the samples are stored at −20°C, the holding time is 90 days. The sample met neither of these criteria but because of the limited number of locations planned for sampling and stormwater samples collected, N3B decided to analyze the sample knowing that it had been mis-preserved and analytical data would be qualified.

GEL received NELAP certification on November 1, 2022, and the sample was prepped and analyzed on November 5, 2022. The qualified data were reported to N3B on November 29, 2022.

All nondetected results were rejected (R) during N3B data verification because of the temperature exceedance. All detected results were qualified as estimated with a low bias (J-) for the same reason.

2.2 Data Validation

Analytical results meet the N3B minimum data quality objectives as outlined in N3B-PLN-SDM-1000, "Sample and Data Management Plan." N3B-PLN-SDM-1000 sets the validation frequency criteria at 100% Level 1 examination and Level 2 verification of data, and at 10% minimum Level 3 validation of data. A Level 1 examination assesses the completeness of the data as delivered from the analytical laboratory, identifies any reporting errors, and checks the usability of the data based on the analytical laboratory's evaluation of the data. A Level 2 verification evaluates the data to determine the extent to which the laboratory met the analytical method and the contract-specific quality control and reporting requirements. A Level 3 validation includes Levels 1 and 2 criteria and determines the effect of potential anomalies encountered during analysis and possible effects on data quality and usability. A Level 3 validation is performed manually with method-specific data validation procedures. Laboratory analytical data are validated by N3B personnel as outlined in N3B-PLN-SDM-1000; N3B-AP-SDM-3000, "General Guidelines for Data Validation" ; N3B-AP-SDM-3014, "Examination and Verification of Analytical Laboratory Data"; and additional method-specific analytical data validation procedures. All associated validation procedures have been developed, where applicable, from the EPA QA/G-8 "Guidance on Environmental Data Verification and Data Validation," the "Department of Defense (DoD)/Department of Energy (DOE) Consolidated Quality Systems Manual (QSM) for Environmental Laboratories," the U.S. Environmental Protection Agency (EPA) "Superfund CLP National Functional Guidelines for Data Review," and the American National Standards Institute/American Nuclear Society 41.5: "Verification and Validation of Radiological Data for Use in Waste Management and Environmental Remediation."

All data collected under the SARP meet Level 2 data validation requirements. In addition, the samples collected at M-SMA-3 and PJ-SMA-2 had a Level 3 validation performed.

3.0 SUMMARY OF DATA COLLECTED IN 2022

In monitoring year 2022 sampling for PFAS was attempted at 15 locations, and 2 samples were planned at each location. Of a possible 30 PFAS samples, 3 samples were collected in 2022, which is 10% of the planned samples. Table 2 lists the samples collected. After the first sample was collected at M-SMA-3, S-SMA-3.7, and PJ-SMA-2 the sampler was reactivated as soon as practicable in an attempt to collect the second planned sample at that location.

Table 2
PFAS Samples Collected through 2022

SMA	Sample Collection Date	Samples Collected
M-SMA-3	7/30/2022	1
S-SMA-3.7	7/30/2022	1
PJ-SMA-2	7/31/2022	1
Total PFAS Samples Collected:		3

3.1 Analytical Results

Analytical results were received and validated for S-SMA-3.7 on November 29, 2022. Analytical results for M-SMA-3 and PJ-SMA-2 were received on December 21, 2022, and validated on December 22, 2022. For each sample 40 PFAS parameters were analyzed, and the results are summarized in Table 3. The full data packages for these samples are included as Appendix A.

3.2 Sample Collection Attempts

The 15 sampling locations were activated for monitoring by March 31, 2022, and deactivated for the season by November 16, 2022. Table 4 details all sampling attempts at these locations and any downtime of the samplers.

4.0 PLANNED MONITORING IN 2023

In monitoring year 2023, PFAS sampling will be conducted at the same 15 locations as outlined in the SARP. At the 12 locations from which a PFAS sample has not yet been collected, collection of 2 samples is planned. Because of the issues with laboratory analysis and numerous data qualifiers for the samples collected at M-SMA-3, S-SMA-3.7, and PJ-SMA-2, collection of 2 samples is planned at these locations as well. Compliance samples and analytical suites, as well as duplicate samples, will continue to be prioritized over the investigative PFAS samples.

5.0 ANALYTICAL LABORATORY CODES AND QUALIFIERS

The following analytical laboratory codes and qualifiers are used in Table 3 and are defined below.

J- (validation qualifier)	The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample but likely to have a low bias.
LCMS/MS	liquid chromatography mass spectrometry/mass spectrometry
NQ (validation qualifier)	No validation qualifier flag is associated with this result, and the analyte is classified as detected.
PE9 (validation reason code)	The holding time was ≤2 times the applicable holding-time requirement.
PE9a (validation reason code)	The holding time was >2 times the applicable holding time requirement.
PE9c (validation reason code)	The sample temperature was greater than 6°C, or the sample preservation criteria was not met, upon receipt at the laboratory.
PE12a	The laboratory control sample percent recovery is less than the lower acceptance limit and greater than or equal to the rejection limit.
PE12b	The laboratory control sample percent recovery is greater than the upper acceptance limit.
R	Nondetected result was rejected because required temperatures for storage were exceeded.
TRG (result type)	Target analyte
UJ (validation qualifier)	The analyte was analyzed for but not detected. The associated value is an estimate.

Table 3
PFAS Analytical Results Summary

Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Filtered	Lab Matrix	COC #	Lab Method	Report Detection Limit	Analysis Date	% Moisture	Analysis Deferred	Analysis Lot ID	Analysis Time	Analysis Type Code
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluoro(2-ethoxyethane)sulphonic acid	2.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	6.83	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Hexafluoropropylene oxide dimer acid GenX	5.12	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	15.4	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Nonafluoro-3,6-dioxaheptanoic acid	2.56	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	7.68	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Ethyl perfluorooctane sulfonamidoethanol[N-]	12.8	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	38.4	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorooctanesulfonic acid	7.12	ng/L	—[a]	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.56	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluoroundecanoic acid	1.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	methyl perfluorooctanesulfonamidoacetic acid[N-]	1.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Methyl perfluorooctane sulfonamidoethanol[N-]	12.8	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	38.4	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluoropentanoic acid	1.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluoropentanesulfonic acid	1.20	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.61	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	4.86	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	14.6	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	ethyl perfluorooctanesulfonamidoacetic acid[N-]	1.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorohexanoic acid	3.51	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorododecanoic acid	1.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Methylperfluoro-1-octanesulfonamide[N-]	1.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorooctanoic acid	3.44	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorodecanoic acid	2.41	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorodecane sulfonate	1.23	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.70	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorohexanesulfonic acid	1.17	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.51	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	3-Perfluoropropyl propanoic acid	5.12	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	15.4	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorobutanoic acid	5.12	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	15.4	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorobutanesulfonic acid	1.76	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.40	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluoroheptanoic acid	1.89	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluoro-1-heptanesulfonic acid	1.22	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.66	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorononanoic acid	1.41	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorotetradecanoic acid	1.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluoro-3-methoxypropanoic acid	2.56	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	7.68	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	4.91	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	14.7	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Ethylperfluoro-1-octanesulfonamide[N-]	1.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorononanesulfonic acid	1.23	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.69	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorotridecanoic acid	1.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluoro-1-octanesulfonamide	1.28	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.84	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	4.79	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	14.4	11/06/2022	100	Yes	2338742	18:15	INIT

Table 3 (continued)

Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Filtered	Lab Matrix	COC #	Lab Method	Report Detection Limit	Analysis Date	% Moisture	Analysis Deferred	Analysis Lot ID	Analysis Time	Analysis Type Code
WT_PFAS-22-243591	M-SMA-3	07/30/2022	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	4.80	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	14.4	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	4.84	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	14.5	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluorododecanesulfonic acid	1.24	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	3.72	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	3-Perfluoroheptyl propanoic acid	25.6	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	76.8	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Perfluoro-4-methoxybutanoic acid	2.56	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	7.68	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	3-Perfluoropentyl propanoic acid	2.56	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	76.8	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	4,8-Dioxa-3H-perfluorononanoic Acid	4.84	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	14.5	11/06/2022	100	Yes	2338742	18:15	INIT
WT_PFAS-22-243591	M-SMA-3	07/30/2022	Temperature	6	deg C	—	Yes	No	W	N3B-2022-2651	EPA:170.0	n/a[b]	08/04/2022	n/a	Yes	n/a	00:00	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluoro(2-ethoxyethane)sulphonic acid	6.41	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	19.2	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Hexafluoropropylene oxide dimer acid GenX	14.4	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	43.2	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Nonafluoro-3,6-dioxaheptanoic acid	7.20	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	21.6	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Ethyl perfluorooctane sulfonamidoethanol[N-]	36.0	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	108	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorooctanesulfonic acid	51.1	ng/L	—	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.0	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluoroundecanoic acid	3.60	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	methyl perfluorooctanesulfonamidoacetic acid[N-]	3.60	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Methyl perfluorooctane sulfonamidoethanol[N-]	36.0	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	108	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluoropentanoic acid	3.60	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluoropentanesulfonic acid	3.39	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.2	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	31.2	ng/L	J-	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	41.1	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	ethyl perfluorooctanesulfonamidoacetic acid[N-]	3.60	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorohexanoic acid	8.95	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorododecanoic acid	3.60	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Methylperfluoro-1-octanesulfonamide[N-]	3.60	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorooctanoic acid	25.7	ng/L	—	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorodecanoic acid	6.55	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorodecane sulfonate	5.67	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.4	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorohexanesulfonic acid	13.8	ng/L	—	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	9.88	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	3-Perfluoropropyl propanoic acid	14.4	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	43.2	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorobutanoic acid	14.8	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	43.2	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorobutanesulfonic acid	3.19	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	9.58	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluoroheptanoic acid	5.25	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluoro-1-heptanesulfonic acid	3.43	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.3	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorononanoic acid	4.76	ng/L	J	Yes	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorotetradecanoic acid	3.60	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluoro-3-methoxypropanoic acid	7.20	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	21.6	11/16/2022	100	Yes	2341933	02:05	INIT

Table 3 (continued)

Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Filtered	Lab Matrix	COC #	Lab Method	Report Detection Limit	Analysis Date	% Moisture	Analysis Deferred	Analysis Lot ID	Analysis Time	Analysis Type Code
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	13.8	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	41.5	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Ethylperfluoro-1-octanesulfonamide[N-]	3.60	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorononanesulfonic acid	3.47	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.4	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorotridecanoic acid	3.60	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluoro-1-octanesulfonamide	3.60	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	13.5	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	40.4	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	13.5	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	40.5	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	13.6	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	40.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluorododecanesulfonic acid	3.49	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	10.5	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	3-Perfluoroheptyl propanoic acid	72.0	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	216	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Perfluoro-4-methoxybutanoic acid	7.20	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	21.6	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	3-Perfluoropentyl propanoic acid	7.20	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	216	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	4,8-Dioxa-3H-perfluorononanoic Acid	13.6	ng/L	U	No	No	W	N3B-2022-2651	EPA:1633_GEL_Mod	40.8	11/16/2022	100	Yes	2341933	02:05	INIT
WT_PFAS-22-243592	PJ-SMA-2	07/31/2022	Temperature	6	deg C	—	Yes	No	W	N3B-2022-2651	EPA:170.0	n/a	08/04/2022		Yes	n/a	00:00	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluoro(2-ethoxyethane)sulphonic acid	2.47	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	7.40	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Hexafluoropropylene oxide dimer acid GenX	5.54	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	16.6	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Nonafluoro-3,6-dioxaheptanoic acid	2.77	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	8.31	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Ethyl perfluorooctane sulfonamidoethanol[N-]	13.9	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	41.6	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorooctanesulfonic acid	80.2	ng/L	—	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	3.86	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluoroundecanoic acid	1.39	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	methyl perfluorooctanesulfonamidoacetic acid[N-]	1.39	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Methyl perfluorooctane sulfonamidoethanol[N-]	13.9	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	41.6	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluoropentanoic acid	34.5	ng/L	—	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluoropentanesulfonic acid	1.87	ng/L	J	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	3.91	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	1H, 1H, 2H, 2H-perfluorooctane sulfonic acid	5.27	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	15.8	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	ethyl perfluorooctanesulfonamidoacetic acid[N-]	1.39	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT

Table 3 (continued)

Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Filtered	Lab Matrix	COC #	Lab Method	Report Detection Limit	Analysis Date	% Moisture	Analysis Deferred	Analysis Lot ID	Analysis Time	Analysis Type Code
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorohexanoic acid	54.8	ng/L	—	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorododecanoic acid	1.39	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Methylperfluoro-1-octanesulfonamide[N-]	1.39	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorooctanoic acid	39.8	ng/L	—	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorodecanoic acid	1.53	ng/L	J	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorodecane sulfonate	1.34	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.01	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorohexanesulfonic acid	6.42	ng/L	—	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	3.80	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	3-Perfluoropropyl propanoic acid	5.54	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	16.6	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorobutanoic acid	57.2	ng/L	—	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	16.6	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorobutanesulfonic acid	10.4	ng/L	—	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	3.69	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluoroheptanoic acid	14.1	ng/L	—	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluoro-1-heptanesulfonic acid	1.32	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	3.96	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorononanoic acid	4.61	ng/L	—	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorotetradecanoic acid	1.39	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluoro-3-methoxypropanoic acid	2.77	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	8.31	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	1H, 1H, 2H, 2H-perfluorodecane sulfonic acid	5.32	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	16.0	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Ethylperfluoro-1-octanesulfonamide[N-]	1.39	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorononanesulfonic acid	1.34	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.00	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorotridecanoic acid	1.39	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluoro-1-octanesulfonamide	4.78	ng/L	—	Yes	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.16	11/05/2022	100	Yes	2338742	18:42	INIT

Table 3 (continued)

Field Sample ID	Location ID	Sample Date	Parameter Name	Report Result	Report Units	Lab Qualifier	Detected	Filtered	Lab Matrix	COC #	Lab Method	Report Detection Limit	Analysis Date	% Moisture	Analysis Deferred	Analysis Lot ID	Analysis Time	Analysis Type Code
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	5.18	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	15.5	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	1H, 1H, 2H, 2H-Perfluorohexanesulfonic acid	5.20	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	15.6	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	5.24	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	15.7	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluorododecanesulfonic acid	1.34	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	4.03	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	3-Perfluoroheptyl propanoic acid	27.7	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	83.1	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Perfluoro-4-methoxybutanoic acid	2.77	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	8.31	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	3-Perfluoropentyl propanoic acid	2.77	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	83.1	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	4,8-Dioxa-3H-perfluorononanoic Acid	5.24	ng/L	U	No	No	W	N3B-2022-2941	EPA:1633_GEL_Mod	15.7	11/05/2022	100	Yes	2338742	18:42	INIT
WT_PFAS-22-243594	S-SMA-3.7 at SS181644	07/30/2022	Temperature	6	deg C	—	Yes	No	W	N3B-2022-2941	EPA:170.0	n/a	08/24/2022		Yes	n/a	00:00	INIT

Table 3 (continued)

Analytical Group Name	Best Value	Dilution Factor	Field Preparation Code	Lab Detection Limit	Lab ID	Lab QC Reporting Option	Lab Receipt Date	Lab Report Date	Method Category	Method Detection Limit	Original Lab Result	Preparation Date	Report Method Detection Limit	Result Type	Sample Retrieval Date	Sampling Event	Shipped Date	Usable	Validated Date	Validation Qualifier	Validation Reason Codes
EPA:1633_PFAS_40a	Yes	1.00	UF	6.83	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	2.28	0.000	11/05/2022	2.28	TRG[c]	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	15.4	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	5.12	0.000	11/05/2022	5.12	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	7.68	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	2.56	0.000	11/05/2022	2.56	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	38.4	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	12.8	0.000	11/05/2022	12.8	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.56	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.19	7.12	11/05/2022	1.19	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	0.000	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	0.000	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	38.4	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	12.8	0.000	11/05/2022	12.8	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	0.000	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.61	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.20	0.000	11/05/2022	1.20	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	14.6	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	4.86	0.000	11/05/2022	4.86	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	0.000	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	3.51	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	0.559	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	0.000	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	3.44	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	2.41	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.70	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.23	0.000	11/05/2022	1.23	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.51	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.17	0.000	11/05/2022	1.17	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	15.4	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	5.12	0.000	11/05/2022	5.12	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	15.4	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	5.12	0.000	11/05/2022	5.12	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.40	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.13	1.76	11/05/2022	1.13	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	1.89	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.66	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.22	0.000	11/05/2022	1.22	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	1.41	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	0.000	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	7.68	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	2.56	0.000	11/05/2022	2.56	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	14.7	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	4.91	0.000	11/05/2022	4.91	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	0.000	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.69	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.23	0.000	11/05/2022	1.23	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	0.000	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.84	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.28	0.000	11/05/2022	1.28	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	14.4	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	4.79	0.000	11/05/2022	4.79	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	14.4	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	4.80	0.000	11/05/2022	4.80	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9

Table 3 (continued)

Analytical Group Name	Best Value	Dilution Factor	Field Preparation Code	Lab Detection Limit	Lab ID	Lab QC Reporting Option	Lab Receipt Date	Lab Report Date	Method Category	Method Detection Limit	Original Lab Result	Preparation Date	Report Method Detection Limit	Result Type	Sample Retrieval Date	Sampling Event	Shipped Date	Usable	Validated Date	Validation Qualifier	Validation Reason Codes
EPA:1633_PFAS_40a	Yes	1.00	UF	14.5	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	4.84	0.000	11/05/2022	4.84	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	3.72	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	1.24	0.000	11/05/2022	1.24	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	76.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	25.6	0.000	11/05/2022	25.6	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	7.68	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	2.56	0.000	11/05/2022	2.56	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	76.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	2.56	0.000	11/05/2022	2.56	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	14.5	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	4.84	0.000	11/05/2022	4.84	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
n/a	Yes	n/a	UF	n/a	GELC	Standard	08/04/2022	12/21/2022	General Chemistry	n/a	6	n/a	n/a	TRG	08/01/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	NQ	NQ
EPA:1633_PFAS_40a	Yes	1.00	UF	19.2	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	6.41	0.000	11/13/2022	6.41	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	43.2	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	14.4	0.000	11/13/2022	14.4	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	21.6	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	7.20	0.000	11/13/2022	7.20	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	108	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	36.0	0.000	11/13/2022	36.0	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.0	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.34	51.1	11/13/2022	3.34	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	0.000	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	0.000	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	108	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	36.0	0.000	11/13/2022	36.0	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	0.000	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.2	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.39	0.000	11/13/2022	3.39	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	41.1	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	13.7	31.2	11/13/2022	13.7	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9,PE12b
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	0.000	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	8.95	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	0.000	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	0.000	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	25.7	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	6.55	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.4	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.48	5.67	11/13/2022	3.48	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	9.88	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.29	13.8	11/13/2022	3.29	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	43.2	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	14.4	0.000	11/13/2022	14.4	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	43.2	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	14.4	14.8	11/13/2022	14.4	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	9.58	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.19	0.000	11/13/2022	3.19	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	5.25	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.3	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.43	0.000	11/13/2022	3.43	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	4.76	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	J-	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	0.000	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	21.6	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	7.20	0.000	11/13/2022	7.20	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9

Table 3 (continued)

Analytical Group Name	Best Value	Dilution Factor	Field Preparation Code	Lab Detection Limit	Lab ID	Lab QC Reporting Option	Lab Receipt Date	Lab Report Date	Method Category	Method Detection Limit	Original Lab Result	Preparation Date	Report Method Detection Limit	Result Type	Sample Retrieval Date	Sampling Event	Shipped Date	Usable	Validated Date	Validation Qualifier	Validation Reason Codes
EPA:1633_PFAS_40a	Yes	1.00	UF	41.5	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	13.8	0.000	11/13/2022	13.8	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	0.000	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.4	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.47	0.000	11/13/2022	3.47	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	0.000	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.60	0.000	11/13/2022	3.60	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	40.4	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	13.5	0.000	11/13/2022	13.5	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	40.5	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	13.5	0.000	11/13/2022	13.5	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	40.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	13.6	0.000	11/13/2022	13.6	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	10.5	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	3.49	0.000	11/13/2022	3.49	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	216	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	72.0	0.000	11/13/2022	72.0	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	21.6	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	7.20	0.000	11/13/2022	7.20	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	216	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	7.20	0.000	11/13/2022	7.20	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
EPA:1633_PFAS_40a	Yes	1.00	UF	40.8	GELC	Standard	08/04/2022	12/21/2022	LCMS/MS	13.6	0.000	11/13/2022	13.6	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	UJ	PE9
n/a	Yes	n/a	UF	n/a	GELC	Standard	08/04/2022	12/21/2022	General Chemistry	n/a	6	n/a	n/a	TRG	08/02/2022	PFAS Sample 1	08/03/2022	Yes	12/22/2022 15:56:00	NQ	NQ
EPA:1633_PFAS_40a	Yes	1.00	UF	7.40	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	2.47	0.000	11/05/2022	2.47	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE12a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	16.6	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	5.54	0.000	11/05/2022	5.54	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE12a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	8.31	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	2.77	0.000	11/05/2022	2.77	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	41.6	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	13.9	0.000	11/05/2022	13.9	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	3.86	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.29	80.2	11/05/2022	1.29	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	0.000	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	0.000	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	41.6	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	13.9	0.000	11/05/2022	13.9	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	34.5	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	3.91	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.30	1.87	11/05/2022	1.30	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE12b,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	15.8	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	5.27	0.000	11/05/2022	5.27	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	0.000	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	54.8	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE12b,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	0.411	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	0.000	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	39.8	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	1.53	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.01	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.34	0.000	11/05/2022	1.34	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	3.80	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.27	6.42	11/05/2022	1.27	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	16.6	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	5.54	0.000	11/05/2022	5.54	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE12a,PE9c

Table 3 (continued)

Analytical Group Name	Best Value	Dilution Factor	Field Preparation Code	Lab Detection Limit	Lab ID	Lab QC Reporting Option	Lab Receipt Date	Lab Report Date	Method Category	Method Detection Limit	Original Lab Result	Preparation Date	Report Method Detection Limit	Result Type	Sample Retrieval Date	Sampling Event	Shipped Date	Usable	Validated Date	Validation Qualifier	Validation Reason Codes
EPA:1633_PFAS_40a	Yes	1.00	UF	16.6	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	5.54	57.2	11/05/2022	5.54	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	3.69	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.23	10.4	11/05/2022	1.23	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	14.1	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	3.96	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.32	0.000	11/05/2022	1.32	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	4.61	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	0.000	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	8.31	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	2.77	0.000	11/05/2022	2.77	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	16.0	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	5.32	0.000	11/05/2022	5.32	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	0.000	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.00	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.34	0.000	11/05/2022	1.34	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE12a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	0.000	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.16	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.39	4.78	11/05/2022	1.39	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	J-	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	15.5	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	5.18	0.000	11/05/2022	5.18	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	15.6	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	5.20	0.000	11/05/2022	5.20	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	15.7	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	5.24	0.000	11/05/2022	5.24	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	4.03	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	1.34	0.000	11/05/2022	1.34	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE12a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	83.1	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	27.7	0.000	11/05/2022	27.7	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE12a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	8.31	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	2.77	0.000	11/05/2022	2.77	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	83.1	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	2.77	0.000	11/05/2022	2.77	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE12a,PE9c
EPA:1633_PFAS_40a	Yes	1.00	UF	15.7	GELC	Standard	08/24/2022	11/29/2022	LCMS/MS	5.24	0.000	11/05/2022	5.24	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	R	PE9a,PE9c
n/a	Yes	n/a	UF	n/a	GELC	Standard	08/24/2022	11/29/2022	General Chemistry	n/a	6	n/a	n/a	TRG	08/17/2022	PFAS Sample 1	08/23/2022	Yes	11/29/2022 07:51:00	NQ	NQ

Notes: Analytical laboratory codes and qualifiers are defined in section 5. The table on pages 10-–13 is the horizontal extension of the table on pages 7-–9.

[a] — = None.

[b] n/a = Not applicable.

[c] TRG = Target analyte.

Table 4
Sampler Operability Status and Sampler Attempts

SMA	2022 Monitoring Season Sampler Operability and Sample Collection	Sampler Downtime (days)				Season Duration (days)
		Downtime Due To Triggering Event	Downtime Due To Equipment Failure	Downtime Due To Sample Collection	Total Downtime	
A-SMA-2.7	The sampler was activated for monitoring on 03/23/2022. The sampler was shut down for the monitoring season on 08/12/2022 because of Compliance Order on Consent soil remediation activities near the monitoring location.	0	0	0	0	143
CDV-SMA-6.01	The sampler was activated for corrective action monitoring on 03/28/2022. The sampler was shut down for winter on 11/14/2022.	0	0	0	0	232
CHQ-SMA-5.05	The sampler was activated for monitoring on 03/21/2022. The sampler was shut down for winter on 11/07/2022.	0	0	0	0	232
LA-SMA-4.2	The sampler was activated for monitoring on 03/28/2022. A sample of insufficient volume (approximately 20 mL) was collected on 07/27/2022 and the sampler was reset for continued monitoring on 07/28/2022 (inoperable 1 day). The sampler was shut down for winter on 11/04/2022.	0	0	1	1	222
LA-SMA-5.01	The sampler was activated for baseline monitoring on 03/28/2022. The sampler was shut down for winter on 11/04/2022.	0	0	0	0	222
LA-SMA-6.32	The sampler was activated for monitoring on 03/31/2022. The sampler was shut down for winter on 10/26/2022.	0	0	0	0	210
M-SMA-12.92	The sampler was activated for monitoring on 03/21/2022. The sampler was shut down for winter on 11/09/2022.	0	0	0	0	234
M-SMA-3	The sampler was activated for monitoring on 03/25/2022. The sampler was found to be inoperable due to equipment failure on 07/01/2022 with a recorded loss of power on 05/04/2022 (inoperable 58 days). A compliance sample was collected on 07/27/2022; there was insufficient volume to analyze the sample for PFAS. The sampler was reset for continued monitoring on 07/28/2022 (inoperable 1 day). An additional PFAS sample was collected on 07/30/2022. On 07/31/2022 an additional partial sample was collected but not processed for analysis and the sampler was reset for continued monitoring on 08/01/2022 (inoperable 1 day). The sampler was shut down for winter on 11/04/2022.	2	58	0	60	225

Table 4 (continued)

SMA	2022 Monitoring Season Sampler Operability and Sample Collection	Sampler Downtime (days)				Season Duration (days)
		Downtime Due To Triggering Event	Downtime Due To Equipment Failure	Downtime Due To Sample Collection	Total Downtime	
PJ-SMA-2	The sampler was activated for monitoring on 03/22/2022. A compliance sample was collected on 7/31/2022 with enough additional water for a PFAS sample analysis and the sampler was reset for continued monitoring on 08/02/2022 (inoperable 2 days). The sampler was shut down for winter on 10/28/2022.	0	0	2	2	220
PJ-SMA-5	The sampler was activated for monitoring on 03/22/2022. The sampler attempted but was unable to collect on 06/22/2022 with no associated downtime. A compliance sample was collected on 07/26/2022; there was not sufficient volume remaining to also analyze the sample for PFAS. The sampler was reactivated for continued monitoring on 08/04/2022 (inoperable 9 days). The sampler was shut down for winter on 10/27/2022.	0	0	9	9	220
PJ-SMA-7	The sampler was activated for monitoring on 03/23/2022. The sampler was shut down for winter on 11/02/2022.	0	0	0	0	225
S-SMA-3.7	The sampler was activated for monitoring on 03/16/2022. A compliance sample was collected on 07/30/2022, with enough additional water for a PFAS sample analysis and was reset for continued monitoring on 08/17/2022 (inoperable 19 days). The sampler was shut down for winter on 11/01/2022.	0	0	19	19	231
W-SMA-2.05	The sampler was activated for monitoring on 03/24/2022. The sampler was shut down for winter on 11/16/2022.	0	0	0	0	238
W-SMA-8	The sampler was activated for monitoring on 03/24/2022. The sampler was shut down for winter on 10/26/2022.	0	0	0	0	217
W-SMA-9.5	The sampler was activated for monitoring on 03/25/2022. The sampler was shut down for winter on 10/31/2022.	0	0	0	0	221

Appendix A

Sample Data Packages
(on CD only)