

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

AECOM, INC.

N6274223F0104 RH Fire Suppression System

60697810

SGS Job Number: FC3793

Sampling Date: 03/28/23



Report to:

AECOM, Inc
7595 Technology Way
Denver, CO 80237
katie.abbott@aecom.com; mark.kromis@aecom.com;
watson.tanji@aecom.com; kristin.rutherford@aecom.com
ATTN: Katie Abbott

Total number of pages in report: 36



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Norm Farmer
Technical Director

Client Service contact: Elvin Kumar 407-425-6700

Certifications: FL(E83510), LA(03051), KS(E-10327), NC(573), NJ(FL002), NY(12022), SC(96038001)
DoD ELAP(ANAB L2229), AZ(AZ0806), CA(2937), TX(T104704404), PA(68-03573), VA(460177),
AL, AK, AR, CT, IA, KY, MA, MI, MS, ND, NH, NV, OK, OR, IL, UT, VT, WA, WI, WV

This report shall not be reproduced, except in its entirety, without the written approval of SGS.
Test results relate only to samples analyzed.

Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Summary of Hits	5
Section 4: Sample Results	6
4.1: FC3793-1: AF-HDMW225303-WGN01LF-2303W4	7
4.2: FC3793-2: AF-RHMW10-WGN01LF-2303W4	10
Section 5: Misc. Forms	13
5.1: Chain of Custody	14
5.2: QC Evaluation: DOD QSM5.x Limits	17
Section 6: MS Semi-volatiles - QC Data Summaries	18
6.1: Method Blank Summary	19
6.2: Blank Spike Summary	29
6.3: Matrix Spike Summary	33
6.4: Duplicate Summary	35

1

2

3

4

5

6



Sample Summary

AECOM, INC.

Job No: FC3793

N6274223F0104 RH Fire Suppression System
Project No: 60697810

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FC3793-1	03/28/23	10:20	MDTM03/29/23	AQ	Ground Water	AF-HDMW225303-WGN01LF-2303W4
FC3793-2	03/28/23	12:55	MDTM03/29/23	AQ	Ground Water	AF-RHMW10-WGN01LF-2303W4

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: AECOM, INC.

Job No: FC3793

Site: N6274223F0104 RH Fire Suppression System

Report Date: 4/3/2023 3:43:27 PM

On 03/29/2023, 2 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc - Orlando. at a maximum corrected temperature of 3.7 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC3793 was assigned to the project.

Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section. Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

MS Semi-volatiles By Method EPA DRAFT 1633

Matrix: AQ

Batch ID: OP96169

Sample(s) FC3793-1MS, FC3793-2DUP were used as the QC samples indicated.

SGS North America Inc. - Orlando certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted. Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria. SGS North America Inc.- Orlando is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety.

Narrative prepared by:

Kim Benham, Client Services (*Signature on File*)

Summary of Hits

Job Number: FC3793
Account: AECOM, INC.
Project: N6274223F0104 RH Fire Suppression System
Collected: 03/28/23



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
---------------	------------------	-----------------	-----	-----	-------	--------

FC3793-1 AF-HDMW225303-WGN01LF-2303W4

No hits reported in this sample.

FC3793-2 AF-RHMW10-WGN01LF-2303W4

No hits reported in this sample.

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	AF-HDMW225303-WGN01LF-2303W4		
Lab Sample ID:	FC3793-1	Date Sampled:	03/28/23
Matrix:	AQ - Ground Water	Date Received:	03/29/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	Percent Solids:	n/a
Project:	N6274223F0104 RH Fire Suppression System		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6Q15917.D	1	03/31/23 20:07	MV	03/30/23 10:00	OP96169	S6Q237
Run #2							

Run #	Initial Volume	Final Volume
Run #1	550 ml	5.0 ml
Run #2		

CAS No. Compound Result LOQ LOD DL Units Q

PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	3.6 U	18	3.6	1.7	ng/l
2706-90-3	Perfluoropentanoic acid	1.8 U	9.1	1.8	0.85	ng/l
307-24-4	Perfluorohexanoic acid	0.91 U	4.5	0.91	0.45	ng/l
375-85-9	Perfluoroheptanoic acid	0.91 U	4.5	0.91	0.45	ng/l
335-67-1	Perfluorooctanoic acid	0.91 U	4.5	0.91	0.45	ng/l
375-95-1	Perfluorononanoic acid	1.8 U	4.5	1.8	0.55	ng/l
335-76-2	Perfluorodecanoic acid	0.91 U	4.5	0.91	0.45	ng/l
2058-94-8	Perfluoroundecanoic acid	1.8 U	4.5	1.8	0.55	ng/l
307-55-1	Perfluorododecanoic acid	1.8 U	4.5	1.8	0.55	ng/l
72629-94-8	Perfluorotridecanoic acid	1.8 U	4.5	1.8	0.76	ng/l
376-06-7	Perfluorotetradecanoic acid	0.91 U	4.5	0.91	0.45	ng/l

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	0.91 U	4.5	0.91	0.45	ng/l
2706-91-4	Perfluoropentanesulfonic acid	3.6 U	4.5	3.6	1.0	ng/l
355-46-4	Perfluorohexanesulfonic acid	1.8 U	4.5	1.8	0.64	ng/l
375-92-8	Perfluoroheptanesulfonic acid	0.91 U	4.5	0.91	0.45	ng/l
1763-23-1	Perfluorooctanesulfonic acid	1.8 U	4.5	1.8	0.49	ng/l
68259-12-1	Perfluorononanesulfonic acid	1.8 U	4.5	1.8	0.52	ng/l
335-77-3	Perfluorodecanesulfonic acid	1.8 U	4.5	1.8	0.58	ng/l
79780-39-5	Perfluorododecanesulfonic aci	3.6 U	4.5	3.6	1.0	ng/l

FLUOROTELOMER SULFONIC ACIDS

757124-72-4	4:2 Fluorotelomer sulfonate	7.3 U	18	7.3	2.9	ng/l
27619-97-2	6:2 Fluorotelomer sulfonate	7.3 U	18	7.3	3.2	ng/l
39108-34-4	8:2 Fluorotelomer sulfonate	7.3 U	18	7.3	3.7	ng/l

PERFLUOROOCCTANE SULFONAMIDES

754-91-6	PFOSA	1.8 U	4.5	1.8	0.61	ng/l
31506-32-8	MeFOSA	1.8 U	4.5	1.8	0.91	ng/l
4151-50-2	EtFOSA	1.8 U	4.5	1.8	0.91	ng/l

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AF-HDMW225303-WGN01LF-2303W4		
Lab Sample ID:	FC3793-1	Date Sampled:	03/28/23
Matrix:	AQ - Ground Water	Date Received:	03/29/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	Percent Solids:	n/a
Project:	N6274223F0104 RH Fire Suppression System		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
---------	----------	--------	-----	-----	----	-------	---

PERFLUOROOCCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	3.6 U	4.5	3.6	0.91	ng/l	
2991-50-6	EtFOSAA	3.6 U	4.5	3.6	1.2	ng/l	

PERFLUOROOCCTANE SULFONAMIDO ETHANOLS

24448-09-7	MeFOSE	9.1 U	45	9.1	4.0	ng/l	
1691-99-2	EtFOSE	18 U	45	18	6.7	ng/l	

PER and POLYFLUOROETHER CARBOXYLIC ACIDS

13252-13-6	HFPO-DA (GenX)	3.6 U	18	3.6	0.91	ng/l	
919005-14-4	ADONA	3.6 U	18	3.6	1.7	ng/l	
377-73-1	PFMPA	1.8 U	9.1	1.8	0.91	ng/l	
863090-89-5	PFMBA	3.6 U	9.1	3.6	1.0	ng/l	
151772-58-6	NFDHA	3.6 U	9.1	3.6	1.1	ng/l	

PER and POLYFLUOROETHER SULFONIC ACIDS

756426-58-1	9Cl-PF3ONS (F-53B Major)	3.6 U	18	3.6	1.3	ng/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	3.6 U	18	3.6	1.6	ng/l	
113507-82-7	PFEESA	1.8 U	9.1	1.8	0.71	ng/l	

FLUOROTELOMER CARBOXYLIC ACIDS

356-02-5	3:3 Fluorotelomer carboxylate	9.1 U	23	9.1	4.1	ng/l	
914637-49-3	5:3 Fluorotelomer carboxylate	18 U	110	18	7.9	ng/l	
812-70-4	7:3 Fluorotelomer carboxylate	18 U	110	18	7.1	ng/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C4-PFBA	112%		20-150%
	13C5-PFPeA	111%		20-150%
	13C5-PFHxA	108%		20-150%
	13C4-PFHpA	116%		20-150%
	13C8-PFOA	113%		20-150%
	13C9-PFNA	109%		20-150%
	13C6-PFDA	108%		20-150%
	13C7-PFUnDA	102%		20-150%
	13C2-PFDoDA	84%		20-150%
	13C2-PFTeDA	84%		20-150%
	13C3-PFBS	109%		20-150%
	13C3-PFHxS	107%		20-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.1
4

Report of Analysis

Client Sample ID:	AF-HDMW225303-WGN01LF-2303W4		
Lab Sample ID:	FC3793-1	Date Sampled:	03/28/23
Matrix:	AQ - Ground Water	Date Received:	03/29/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	Percent Solids:	n/a
Project:	N6274223F0104 RH Fire Suppression System		

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	107%		20-150%
	13C8-FOSA	92%		20-150%
	d3-MeFOSA	85%		20-150%
	d5-EtFOSA	90%		20-150%
	d3-MeFOSAA	109%		20-150%
	d5-EtFOSAA	106%		20-150%
	d7-MeFOSE	87%		20-150%
	d9-EtFOSE	88%		20-150%
	13C2-4:2FTS	123%		20-150%
	13C2-6:2FTS	118%		20-150%
	13C2-8:2FTS	113%		20-150%
	13C3-HFPO-DA	113%		20-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AF-RHMW10-WGN01LF-2303W4		
Lab Sample ID:	FC3793-2	Date Sampled:	03/28/23
Matrix:	AQ - Ground Water	Date Received:	03/29/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	Percent Solids:	n/a
Project:	N6274223F0104 RH Fire Suppression System		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	6Q15919.D	1	03/31/23 20:35	MV	03/30/23 10:00	OP96169	S6Q237
Run #2							

Run #	Initial Volume	Final Volume
Run #1	550 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
---------	----------	--------	-----	-----	----	-------	---

PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	3.6 U	18	3.6	1.7	ng/l	
2706-90-3	Perfluoropentanoic acid	1.8 U	9.1	1.8	0.85	ng/l	
307-24-4	Perfluorohexanoic acid	0.91 U	4.5	0.91	0.45	ng/l	
375-85-9	Perfluoroheptanoic acid	0.91 U	4.5	0.91	0.45	ng/l	
335-67-1	Perfluorooctanoic acid	0.91 U	4.5	0.91	0.45	ng/l	
375-95-1	Perfluorononanoic acid	1.8 U	4.5	1.8	0.55	ng/l	
335-76-2	Perfluorodecanoic acid	0.91 U	4.5	0.91	0.45	ng/l	
2058-94-8	Perfluoroundecanoic acid	1.8 U	4.5	1.8	0.55	ng/l	
307-55-1	Perfluorododecanoic acid	1.8 U	4.5	1.8	0.55	ng/l	
72629-94-8	Perfluorotridecanoic acid	1.8 U	4.5	1.8	0.76	ng/l	
376-06-7	Perfluorotetradecanoic acid	0.91 U	4.5	0.91	0.45	ng/l	

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	0.91 U	4.5	0.91	0.45	ng/l	
2706-91-4	Perfluoropentanesulfonic acid	3.6 U	4.5	3.6	1.0	ng/l	
355-46-4	Perfluorohexanesulfonic acid	1.8 U	4.5	1.8	0.64	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	0.91 U	4.5	0.91	0.45	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	1.8 U	4.5	1.8	0.49	ng/l	
68259-12-1	Perfluorononanesulfonic acid	1.8 U	4.5	1.8	0.52	ng/l	
335-77-3	Perfluorodecanesulfonic acid	1.8 U	4.5	1.8	0.58	ng/l	
79780-39-5	Perfluorododecanesulfonic aci	3.6 U	4.5	3.6	1.0	ng/l	

FLUOROTELOMER SULFONIC ACIDS

757124-72-4	4:2 Fluorotelomer sulfonate	7.3 U	18	7.3	2.9	ng/l	
27619-97-2	6:2 Fluorotelomer sulfonate	7.3 U	18	7.3	3.2	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	7.3 U	18	7.3	3.7	ng/l	

PERFLUOROOCCTANE SULFONAMIDES

754-91-6	PFOSA	1.8 U	4.5	1.8	0.61	ng/l	
31506-32-8	MeFOSA	1.8 U	4.5	1.8	0.91	ng/l	
4151-50-2	EtFOSA	1.8 U	4.5	1.8	0.91	ng/l	

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

4.2
4

Report of Analysis

Client Sample ID:	AF-RHMW10-WGN01LF-2303W4		
Lab Sample ID:	FC3793-2	Date Sampled:	03/28/23
Matrix:	AQ - Ground Water	Date Received:	03/29/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	Percent Solids:	n/a
Project:	N6274223F0104 RH Fire Suppression System		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
---------	----------	--------	-----	-----	----	-------	---

PERFLUOROOCCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	3.6 U	4.5	3.6	0.91	ng/l	
2991-50-6	EtFOSAA	3.6 U	4.5	3.6	1.2	ng/l	

PERFLUOROOCCTANE SULFONAMIDO ETHANOLS

24448-09-7	MeFOSE	9.1 U	45	9.1	4.0	ng/l	
1691-99-2	EtFOSE	18 U	45	18	6.7	ng/l	

PER and POLYFLUOROETHER CARBOXYLIC ACIDS

13252-13-6	HFPO-DA (GenX)	3.6 U	18	3.6	0.91	ng/l	
919005-14-4	ADONA	3.6 U	18	3.6	1.7	ng/l	
377-73-1	PFMPA	1.8 U	9.1	1.8	0.91	ng/l	
863090-89-5	PFMBA	3.6 U	9.1	3.6	1.0	ng/l	
151772-58-6	NFDHA	3.6 U	9.1	3.6	1.1	ng/l	

PER and POLYFLUOROETHER SULFONIC ACIDS

756426-58-1	9Cl-PF3ONS (F-53B Major)	3.6 U	18	3.6	1.3	ng/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	3.6 U	18	3.6	1.6	ng/l	
113507-82-7	PFEESA	1.8 U	9.1	1.8	0.71	ng/l	

FLUOROTELOMER CARBOXYLIC ACIDS

356-02-5	3:3 Fluorotelomer carboxylate	9.1 U	23	9.1	4.1	ng/l	
914637-49-3	5:3 Fluorotelomer carboxylate	18 U	110	18	7.9	ng/l	
812-70-4	7:3 Fluorotelomer carboxylate	18 U	110	18	7.1	ng/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
---------	------------------------	--------	--------	--------

	13C4-PFBA	106%		20-150%
	13C5-PFPeA	104%		20-150%
	13C5-PFHxA	109%		20-150%
	13C4-PFHpA	110%		20-150%
	13C8-PFOA	102%		20-150%
	13C9-PFNA	106%		20-150%
	13C6-PFDA	110%		20-150%
	13C7-PFUnDA	99%		20-150%
	13C2-PFDoDA	98%		20-150%
	13C2-PFTeDA	88%		20-150%
	13C3-PFBS	113%		20-150%
	13C3-PFHxS	105%		20-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	AF-RHMW10-WGN01LF-2303W4	
Lab Sample ID:	FC3793-2	Date Sampled: 03/28/23
Matrix:	AQ - Ground Water	Date Received: 03/29/23
Method:	EPA DRAFT 1633 EPA 1633 DRAFT	Percent Solids: n/a
Project:	N6274223F0104 RH Fire Suppression System	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	100%		20-150%
	13C8-FOSA	97%		20-150%
	d3-MeFOSA	77%		20-150%
	d5-EtFOSA	86%		20-150%
	d3-MeFOSAA	115%		20-150%
	d5-EtFOSAA	105%		20-150%
	d7-MeFOSE	87%		20-150%
	d9-EtFOSE	87%		20-150%
	13C2-4:2FTS	128%		20-150%
	13C2-6:2FTS	119%		20-150%
	13C2-8:2FTS	117%		20-150%
	13C3-HFPO-DA	109%		20-150%

U = Not detected LOD = Limit of Detection J = Indicates an estimated value
 LOQ = Limit of Quantitation DL = Detection Limit B = Indicates analyte found in associated method blank
 E = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- QC Evaluation: DOD QSM5.x Limits

SGS Sample Receipt Summary

Job Number: FC3793

Client: AECOM

Project: N6274223F0104 RH Fire Suppression System

Date / Time Received: 3/29/2023 3:00:00 PM

Delivery Method: United Cargo/Airspace

Airbill #'s: United Cargo AWB #: 016-13258711

Therm ID: IR 1;

Therm CF: -0.1;

of Coolers: 1

Cooler Temps (Raw Measured) °C: Cooler 1: (3.8);

Cooler Temps (Corrected) °C: Cooler 1: (3.7);

Cooler Information

Y or N

- 1. Custody Seals Present
- 2. Custody Seals Intact
- 3. Temp criteria achieved
- 4. Cooler temp verification IR Gun
- 5. Cooler media Ice (Bag)

Trip Blank Information

Y or N N/A

- 1. Trip Blank present / cooler
 - 2. Trip Blank listed on COC
- W or S N/A
- 3. Type Of TB Received

Sample Information

Y or N N/A

- 1. Sample labels present on bottles
- 2. Samples preserved properly
- 3. Sufficient volume/containers recvd for analysis:
- 4. Condition of sample Intact
- 5. Sample recvd within HT
- 6. Dates/Times/IDs on COC match Sample Label
- 7. VOCs have headspace
- 8. Bottles received for unspecified tests
- 9. Compositing instructions clear
- 10. Voa Soil Kits/Jars received past 48hrs?
- 11. % Solids Jar received?
- 12. Residual Chlorine Present?

Misc. Information

Number of Encores: 25-Gram _____ 5-Gram _____

Number of 5035 Field Kits: _____

Number of Lab Filtered Metals: _____

Test Strip Lot #s: pH 0-3 230320

pH 10-12 25BDH07

Other: (Specify) pH 1.0 - 12.0 222221

Residual Chlorine Test Strip Lot #: _____

Comments

SM001
Rev. Date 05/24/17

Technician: NATHANS

Date: 3/29/2023 3:00:00 PM

Reviewer: CD

Date: 3/31/2023

FC3793: Chain of Custody

Page 3 of 3

QC Evaluation: DOD QSM5.x Limits

Job Number: FC3793
Account: AECOM, INC.
Project: N6274223F0104 RH Fire Suppression System
Collected: 03/28/23

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units	Limits
--------------	------	---------	--------------------	-------------	-------	--------

No DOD QSM5.x Limits found for methods in this job.

* Sample used for QC is not from job FC3793

5.2
5

MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Instrument Blank

Job Number: FC3793
Account: AECOMCOD AECOM, INC.
Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q237-IBLK	6Q15787.D	1	03/30/23	MV	n/a	n/a	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.0080	0.0040	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0040	0.0010	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0020	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0020	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0020	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00061	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00060	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00060	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00050	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0020	0.0010	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0020	0.0010	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0020	0.0010	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.0010	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.0010	ug/l	
79780-39-5	Perfluorododecanesulfonic acid	ND	0.0020	0.0011	ug/l	
757124-72-44:2	Fluorotelomer sulfonate	ND	0.0080	0.0040	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0080	0.0040	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0080	0.0041	ug/l	
754-91-6	PFOSA	ND	0.0020	0.0010	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.0010	ug/l	
2355-31-9	MeFOSAA	ND	0.0020	0.0010	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
24448-09-7	MeFOSE	ND	0.020	0.010	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.010	ug/l	
13252-13-6	HFPO-DA (GenX)	ND	0.0080	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0080	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0040	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0040	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0040	0.0012	ug/l	
756426-58-19	Cl-PF3ONS (F-53B Major)	ND	0.0080	0.0020	ug/l	
763051-92-91	Cl-PF3OUdS (F-53B Minor)	ND	0.0080	0.0020	ug/l	

Instrument Blank

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q237-IBLK	6Q15787.D	1	03/30/23	MV	n/a	n/a	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Result	RL	MDL	Units	Q
113507-82-7	PFEESA	ND	0.0040	0.0010	ug/l	
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.010	0.0050	ug/l	
914637-49-35:3	Fluorotelomer carboxylate	ND	0.050	0.010	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.050	0.010	ug/l	

CAS No.	ID Standard Recoveries	Limits
	13C4-PFBA	99% 20-150%
	13C5-PFPeA	96% 20-150%
	13C5-PFHxA	96% 20-150%
	13C4-PFHpA	101% 20-150%
	13C8-PFOA	100% 20-150%
	13C9-PFNA	106% 20-150%
	13C6-PFDA	110% 20-150%
	13C7-PFUnDA	104% 20-150%
	13C2-PFDoDA	104% 20-150%
	13C2-PFTeDA	107% 20-150%
	13C3-PFBS	95% 20-150%
	13C3-PFHxS	94% 20-150%
	13C8-PFOS	98% 20-150%
	13C8-FOSA	98% 20-150%
	d3-MeFOSA	95% 20-150%
	d5-EtFOSA	99% 20-150%
	d3-MeFOSAA	107% 20-150%
	d5-EtFOSAA	108% 20-150%
	d7-MeFOSE	97% 20-150%
	d9-EtFOSE	99% 20-150%
	13C2-4:2FTS	113% 20-150%
	13C2-6:2FTS	112% 20-150%
	13C2-8:2FTS	110% 20-150%
	13C3-HFPO-DA	99% 20-150%

6.1.1
6

Instrument Blank

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q237-IBLK	6Q15888.D	1	03/31/23	MV	n/a	n/a	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.0080	0.0040	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0040	0.0010	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0020	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0020	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0020	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00061	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00060	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00060	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00050	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0020	0.0010	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0020	0.0010	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0020	0.0010	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.0010	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.0010	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
757124-72-44:2	Fluorotelomer sulfonate	ND	0.0080	0.0040	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0080	0.0040	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0080	0.0041	ug/l	
754-91-6	PFOSA	ND	0.0020	0.0010	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.0010	ug/l	
2355-31-9	MeFOSAA	ND	0.0020	0.0010	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
24448-09-7	MeFOSE	ND	0.020	0.010	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.010	ug/l	
13252-13-6	HFPO-DA (GenX)	ND	0.0080	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0080	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0040	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0040	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0040	0.0012	ug/l	
756426-58-19	Cl-PF3ONS (F-53B Major)	ND	0.0080	0.0020	ug/l	
763051-92-91	Cl-PF3OUdS (F-53B Minor)	ND	0.0080	0.0020	ug/l	

Instrument Blank

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q237-IBLK	6Q15888.D	1	03/31/23	MV	n/a	n/a	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Result	RL	MDL	Units	Q
113507-82-7	PFEESA	ND	0.0040	0.0010	ug/l	
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.010	0.0050	ug/l	
914637-49-35:3	Fluorotelomer carboxylate	ND	0.050	0.010	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	0.0109	0.050	0.010	ug/l	J

CAS No.	ID Standard Recoveries	Limits	
	13C4-PFBA	99%	20-150%
	13C5-PFPeA	93%	20-150%
	13C5-PFHxA	88%	20-150%
	13C4-PFHpA	96%	20-150%
	13C8-PFOA	110%	20-150%
	13C9-PFNA	95%	20-150%
	13C6-PFDA	101%	20-150%
	13C7-PFUnDA	111%	20-150%
	13C2-PFDoDA	101%	20-150%
	13C2-PFTeDA	101%	20-150%
	13C3-PFBS	101%	20-150%
	13C3-PFHxS	99%	20-150%
	13C8-PFOS	106%	20-150%
	13C8-FOSA	100%	20-150%
	d3-MeFOSA	101%	20-150%
	d5-EtFOSA	103%	20-150%
	d3-MeFOSAA	107%	20-150%
	d5-EtFOSAA	125%	20-150%
	d7-MeFOSE	100%	20-150%
	d9-EtFOSE	100%	20-150%
	13C2-4:2FTS	126%	20-150%
	13C2-6:2FTS	123%	20-150%
	13C2-8:2FTS	103%	20-150%
	13C3-HFPO-DA	97%	20-150%

6.12
6

Continuing Calibration Blank

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q237-ICCB	6Q15910.D	1	03/31/23	MV	n/a	n/a	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.0080	0.0040	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0040	0.0010	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0020	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0020	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0020	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00061	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00060	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00060	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00050	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0020	0.0010	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0020	0.0010	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0020	0.0010	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.0010	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.0010	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
757124-72-44:2	Fluorotelomer sulfonate	ND	0.0080	0.0040	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0080	0.0040	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0080	0.0041	ug/l	
754-91-6	PFOSA	ND	0.0020	0.0010	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.0010	ug/l	
2355-31-9	MeFOSAA	ND	0.0020	0.0010	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
24448-09-7	MeFOSE	ND	0.020	0.010	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.010	ug/l	
13252-13-6	HFPO-DA (GenX)	ND	0.0080	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0080	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0040	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0040	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0040	0.0012	ug/l	
756426-58-19	Cl-PF3ONS (F-53B Major)	ND	0.0080	0.0020	ug/l	
763051-92-91	Cl-PF3OUdS (F-53B Minor)	ND	0.0080	0.0020	ug/l	

Continuing Calibration Blank

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q237-ICCB	6Q15910.D	1	03/31/23	MV	n/a	n/a	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Result	RL	MDL	Units	Q
113507-82-7	PFEESA	ND	0.0040	0.0010	ug/l	
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.010	0.0050	ug/l	
914637-49-35:3	Fluorotelomer carboxylate	ND	0.050	0.010	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.050	0.010	ug/l	

CAS No.	ID Standard Recoveries	Limits
	13C4-PFBA	100% 20-150%
	13C5-PFPeA	99% 20-150%
	13C5-PFHxA	102% 20-150%
	13C4-PFHpA	103% 20-150%
	13C8-PFOA	103% 20-150%
	13C9-PFNA	96% 20-150%
	13C6-PFDA	93% 20-150%
	13C7-PFUnDA	97% 20-150%
	13C2-PFDoDA	96% 20-150%
	13C2-PFTeDA	94% 20-150%
	13C3-PFBS	102% 20-150%
	13C3-PFHxS	103% 20-150%
	13C8-PFOS	107% 20-150%
	13C8-FOSA	98% 20-150%
	d3-MeFOSA	99% 20-150%
	d5-EtFOSA	103% 20-150%
	d3-MeFOSAA	113% 20-150%
	d5-EtFOSAA	111% 20-150%
	d7-MeFOSE	96% 20-150%
	d9-EtFOSE	99% 20-150%
	13C2-4:2FTS	119% 20-150%
	13C2-6:2FTS	120% 20-150%
	13C2-8:2FTS	115% 20-150%
	13C3-HFPO-DA	104% 20-150%

Continuing Calibration Blank

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q237-ICCB	6Q15881.D	1	03/31/23	MV	n/a	n/a	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

S6Q237-IBLK, S6Q237-RT

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.0080	0.0040	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0040	0.0010	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0020	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0020	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0020	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0020	0.00061	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0020	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0020	0.00060	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0020	0.00060	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0020	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0020	0.00050	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0020	0.0010	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0020	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0020	0.0010	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0020	0.0010	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0020	0.0010	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0020	0.0010	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0020	0.0010	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0020	0.0011	ug/l	
757124-72-44:2	Fluorotelomer sulfonate	ND	0.0080	0.0040	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.0080	0.0040	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.0080	0.0041	ug/l	
754-91-6	PFOSA	ND	0.0020	0.0010	ug/l	
31506-32-8	MeFOSA	ND	0.0020	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0020	0.0010	ug/l	
2355-31-9	MeFOSAA	ND	0.0020	0.0010	ug/l	
2991-50-6	EtFOSAA	ND	0.0020	0.0013	ug/l	
24448-09-7	MeFOSE	ND	0.020	0.010	ug/l	
1691-99-2	EtFOSE	ND	0.020	0.010	ug/l	
13252-13-6	HFPO-DA (GenX)	ND	0.0080	0.0020	ug/l	
919005-14-4	ADONA	ND	0.0080	0.0020	ug/l	
377-73-1	PFMPA	ND	0.0040	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0040	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0040	0.0012	ug/l	
756426-58-19	Cl-PF3ONS (F-53B Major)	ND	0.0080	0.0020	ug/l	
763051-92-91	Cl-PF3OUdS (F-53B Minor)	ND	0.0080	0.0020	ug/l	

Continuing Calibration Blank

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q237-ICCB	6Q15881.D	1	03/31/23	MV	n/a	n/a	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

S6Q237-IBLK, S6Q237-RT

CAS No.	Compound	Result	RL	MDL	Units	Q
113507-82-7	PFEESA	ND	0.0040	0.0010	ug/l	
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.010	0.0050	ug/l	
914637-49-35:3	Fluorotelomer carboxylate	ND	0.050	0.010	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.050	0.010	ug/l	

CAS No.	ID Standard Recoveries	Limits
	13C4-PFBA	99% 20-150%
	13C5-PFPeA	95% 20-150%
	13C5-PFHxA	94% 20-150%
	13C4-PFHpA	96% 20-150%
	13C8-PFOA	107% 20-150%
	13C9-PFNA	93% 20-150%
	13C6-PFDA	118% 20-150%
	13C7-PFUnDA	104% 20-150%
	13C2-PFDoDA	104% 20-150%
	13C2-PFTeDA	101% 20-150%
	13C3-PFBS	106% 20-150%
	13C3-PFHxS	98% 20-150%
	13C8-PFOS	105% 20-150%
	13C8-FOSA	100% 20-150%
	d3-MeFOSA	93% 20-150%
	d5-EtFOSA	102% 20-150%
	d3-MeFOSAA	107% 20-150%
	d5-EtFOSAA	111% 20-150%
	d7-MeFOSE	97% 20-150%
	d9-EtFOSE	101% 20-150%
	13C2-4:2FTS	126% 20-150%
	13C2-6:2FTS	108% 20-150%
	13C2-8:2FTS	114% 20-150%
	13C3-HFPO-DA	99% 20-150%

Method Blank Summary

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96169-MB	6Q15916.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.020	0.0019	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.010	0.00094	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0050	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0050	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0050	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0050	0.00061	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0050	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0050	0.00060	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0050	0.00060	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0050	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0050	0.00050	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0050	0.00050	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0050	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0050	0.00070	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0050	0.00050	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0050	0.00054	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0050	0.00057	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0050	0.00064	ug/l	
79780-39-5	Perfluorododecanesulfonic aci	ND	0.0050	0.0011	ug/l	
757124-72-44:2	Fluorotelomer sulfonate	ND	0.020	0.0032	ug/l	
27619-97-2	6:2 Fluorotelomer sulfonate	ND	0.020	0.0035	ug/l	
39108-34-4	8:2 Fluorotelomer sulfonate	ND	0.020	0.0041	ug/l	
754-91-6	PFOSA	ND	0.0050	0.00067	ug/l	
31506-32-8	MeFOSA	ND	0.0050	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0050	0.0010	ug/l	
2355-31-9	MeFOSAA	ND	0.0050	0.0010	ug/l	
2991-50-6	EtFOSAA	ND	0.0050	0.0013	ug/l	
24448-09-7	MeFOSE	ND	0.050	0.0044	ug/l	
1691-99-2	EtFOSE	ND	0.050	0.0074	ug/l	
13252-13-6	HFPO-DA (GenX)	ND	0.020	0.0010	ug/l	
919005-14-4	ADONA	ND	0.020	0.0019	ug/l	
377-73-1	PFMPA	ND	0.010	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.010	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.010	0.0012	ug/l	
756426-58-19	Cl-PF3ONS (F-53B Major)	ND	0.020	0.0014	ug/l	
763051-92-91	Cl-PF3OUdS (F-53B Minor)	ND	0.020	0.0018	ug/l	

Method Blank Summary

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96169-MB	6Q15916.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Result	RL	MDL	Units	Q
113507-82-7	PFEESA	ND	0.010	0.00078	ug/l	
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.025	0.0045	ug/l	
914637-49-35:3	Fluorotelomer carboxylate	ND	0.13	0.0087	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.13	0.0079	ug/l	

CAS No.	ID Standard Recoveries	Limits
	13C4-PFBA	98% 20-150%
	13C5-PFPeA	98% 20-150%
	13C5-PFHxA	98% 20-150%
	13C4-PFHpA	105% 20-150%
	13C8-PFOA	100% 20-150%
	13C9-PFNA	100% 20-150%
	13C6-PFDA	100% 20-150%
	13C7-PFUnDA	89% 20-150%
	13C2-PFDoDA	76% 20-150%
	13C2-PFTeDA	76% 20-150%
	13C3-PFBS	102% 20-150%
	13C3-PFHxS	104% 20-150%
	13C8-PFOS	105% 20-150%
	13C8-FOSA	87% 20-150%
	d3-MeFOSA	81% 20-150%
	d5-EtFOSA	90% 20-150%
	d3-MeFOSAA	102% 20-150%
	d5-EtFOSAA	95% 20-150%
	d7-MeFOSE	85% 20-150%
	d9-EtFOSE	88% 20-150%
	13C2-4:2FTS	119% 20-150%
	13C2-6:2FTS	121% 20-150%
	13C2-8:2FTS	107% 20-150%
	13C3-HFPO-DA	104% 20-150%

6.1.5
6

Blank Spike Summary

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96169-LLBS	6Q15915.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
375-22-4	Perfluorobutanoic acid	0.04	0.0398	100	40-150
2706-90-3	Perfluoropentanoic acid	0.02	0.0197	99	40-150
307-24-4	Perfluorohexanoic acid	0.01	0.0091	91	40-150
375-85-9	Perfluoroheptanoic acid	0.01	0.0097	97	40-150
335-67-1	Perfluorooctanoic acid	0.01	0.0106	106	40-150
375-95-1	Perfluorononanoic acid	0.01	0.0101	101	40-150
335-76-2	Perfluorodecanoic acid	0.01	0.0102	102	40-150
2058-94-8	Perfluoroundecanoic acid	0.01	0.0093	93	40-150
307-55-1	Perfluorododecanoic acid	0.01	0.0105	105	40-150
72629-94-8	Perfluorotridecanoic acid	0.01	0.0097	97	40-150
376-06-7	Perfluorotetradecanoic acid	0.01	0.010	100	40-150
375-73-5	Perfluorobutanesulfonic acid	0.00887	0.0089	100	40-150
2706-91-4	Perfluoropentanesulfonic acid	0.00941	0.0099	105	40-150
355-46-4	Perfluorohexanesulfonic acid	0.00914	0.0094	103	40-150
375-92-8	Perfluoroheptanesulfonic acid	0.00953	0.0105	110	40-150
1763-23-1	Perfluorooctanesulfonic acid	0.00928	0.0090	97	40-150
68259-12-1	Perfluorononanesulfonic acid	0.00962	0.0098	102	40-150
335-77-3	Perfluorodecanesulfonic acid	0.00965	0.0097	101	40-150
79780-39-5	Perfluorododecanesulfonic aci	0.0097	0.0098	101	40-150
757124-72-44:2	Fluorotelomer sulfonate	0.0375	0.0368	98	40-150
27619-97-2	6:2 Fluorotelomer sulfonate	0.038	0.0403	106	40-150
39108-34-4	8:2 Fluorotelomer sulfonate	0.0384	0.0411	107	40-150
754-91-6	PFOSA	0.01	0.0105	105	40-150
31506-32-8	MeFOSA	0.01	0.0097	97	40-150
4151-50-2	EtFOSA	0.01	0.0097	97	40-150
2355-31-9	MeFOSAA	0.01	0.0096	96	40-150
2991-50-6	EtFOSAA	0.01	0.0102	102	40-150
24448-09-7	MeFOSE	0.1	0.0953	95	40-150
1691-99-2	EtFOSE	0.1	0.103	103	40-150
13252-13-6	HFPO-DA (GenX)	0.04	0.0392	98	40-150
919005-14-4	ADONA	0.0378	0.0383	101	40-150
377-73-1	PFMPA	0.02	0.0192	96	40-150
863090-89-5	PFMBA	0.02	0.0192	96	40-150
151772-58-6	NFDHA	0.02	0.0193	97	40-150
756426-58-19	Cl-PF3ONS (F-53B Major)	0.0374	0.0373	100	40-150
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.0378	0.0380	101	40-150

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96169-LLBS	6Q15915.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
113507-82-7	PFEESA	0.0178	0.0165	93	40-150
356-02-5	3:3 Fluorotelomer carboxylate	0.05	0.0392	78	40-150
914637-49-35:3	Fluorotelomer carboxylate	0.25	0.224	90	40-150
812-70-4	7:3 Fluorotelomer carboxylate	0.25	0.229	92	40-150

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	108%	20-150%
	13C5-PFPeA	108%	20-150%
	13C5-PFHxA	113%	20-150%
	13C4-PFHpA	111%	20-150%
	13C8-PFOA	110%	20-150%
	13C9-PFNA	107%	20-150%
	13C6-PFDA	97%	20-150%
	13C7-PFUnDA	102%	20-150%
	13C2-PFDoDA	92%	20-150%
	13C2-PFTeDA	87%	20-150%
	13C3-PFBS	123%	20-150%
	13C3-PFHxS	117%	20-150%
	13C8-PFOS	107%	20-150%
	13C8-FOSA	104%	20-150%
	d3-MeFOSA	96%	20-150%
	d5-EtFOSA	99%	20-150%
	d3-MeFOSAA	120%	20-150%
	d5-EtFOSAA	115%	20-150%
	d7-MeFOSE	92%	20-150%
	d9-EtFOSE	95%	20-150%
	13C2-4:2FTS	145%	20-150%
	13C2-6:2FTS	133%	20-150%
	13C2-8:2FTS	124%	20-150%
	13C3-HFPO-DA	107%	20-150%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96169-BS	6Q15914.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
375-22-4	Perfluorobutanoic acid	0.1	0.0992	99	40-150
2706-90-3	Perfluoropentanoic acid	0.05	0.0504	101	40-150
307-24-4	Perfluorohexanoic acid	0.025	0.0249	100	40-150
375-85-9	Perfluoroheptanoic acid	0.025	0.0258	103	40-150
335-67-1	Perfluorooctanoic acid	0.025	0.0248	99	40-150
375-95-1	Perfluorononanoic acid	0.025	0.0253	101	40-150
335-76-2	Perfluorodecanoic acid	0.025	0.0255	102	40-150
2058-94-8	Perfluoroundecanoic acid	0.025	0.0247	99	40-150
307-55-1	Perfluorododecanoic acid	0.025	0.0266	106	40-150
72629-94-8	Perfluorotridecanoic acid	0.025	0.0252	101	40-150
376-06-7	Perfluorotetradecanoic acid	0.025	0.0235	94	40-150
375-73-5	Perfluorobutanesulfonic acid	0.0222	0.0223	101	40-150
2706-91-4	Perfluoropentanesulfonic acid	0.0235	0.0249	106	40-150
355-46-4	Perfluorohexanesulfonic acid	0.0229	0.0230	101	40-150
375-92-8	Perfluoroheptanesulfonic acid	0.0238	0.0231	97	40-150
1763-23-1	Perfluorooctanesulfonic acid	0.0232	0.0226	97	40-150
68259-12-1	Perfluorononanesulfonic acid	0.0241	0.0246	102	40-150
335-77-3	Perfluorodecanesulfonic acid	0.0241	0.0233	97	40-150
79780-39-5	Perfluorododecanesulfonic aci	0.0243	0.0231	95	40-150
757124-72-44:2	Fluorotelomer sulfonate	0.0938	0.0924	99	40-150
27619-97-2	6:2 Fluorotelomer sulfonate	0.095	0.106	112	40-150
39108-34-4	8:2 Fluorotelomer sulfonate	0.096	0.0995	104	40-150
754-91-6	PFOSA	0.025	0.0271	108	40-150
31506-32-8	MeFOSA	0.025	0.0254	102	40-150
4151-50-2	EtFOSA	0.025	0.0264	106	40-150
2355-31-9	MeFOSAA	0.025	0.0248	99	40-150
2991-50-6	EtFOSAA	0.025	0.0255	102	40-150
24448-09-7	MeFOSE	0.25	0.247	99	40-150
1691-99-2	EtFOSE	0.25	0.235	94	40-150
13252-13-6	HFPO-DA (GenX)	0.1	0.0989	99	40-150
919005-14-4	ADONA	0.0945	0.0980	104	40-150
377-73-1	PFMPA	0.05	0.0396	79	40-150
863090-89-5	PFMBA	0.05	0.0476	95	40-150
151772-58-6	NFDHA	0.05	0.0515	103	40-150
756426-58-19	Cl-PF3ONS (F-53B Major)	0.0935	0.102	109	40-150
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.0945	0.0977	103	40-150

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96169-BS	6Q15914.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
113507-82-7	PFEESA	0.0445	0.0448	101	40-150
356-02-5	3:3 Fluorotelomer carboxylate	0.125	0.0917	73	40-150
914637-49-35:3	Fluorotelomer carboxylate	0.625	0.621	99	40-150
812-70-4	7:3 Fluorotelomer carboxylate	0.625	0.610	98	40-150

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	40%	20-150%
	13C5-PFPeA	109%	20-150%
	13C5-PFHxA	108%	20-150%
	13C4-PFHpA	107%	20-150%
	13C8-PFOA	110%	20-150%
	13C9-PFNA	108%	20-150%
	13C6-PFDA	112%	20-150%
	13C7-PFUnDA	116%	20-150%
	13C2-PFDoDA	104%	20-150%
	13C2-PFTeDA	102%	20-150%
	13C3-PFBS	112%	20-150%
	13C3-PFHxS	109%	20-150%
	13C8-PFOS	108%	20-150%
	13C8-FOSA	96%	20-150%
	d3-MeFOSA	93%	20-150%
	d5-EtFOSA	88%	20-150%
	d3-MeFOSAA	124%	20-150%
	d5-EtFOSAA	119%	20-150%
	d7-MeFOSE	90%	20-150%
	d9-EtFOSE	92%	20-150%
	13C2-4:2FTS	134%	20-150%
	13C2-6:2FTS	123%	20-150%
	13C2-8:2FTS	115%	20-150%
	13C3-HFPO-DA	110%	20-150%

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96169-MS	6Q15918.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237
FC3793-1	6Q15917.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	FC3793-1 ug/l	Spike Q	MS ug/l	MS %	Limits
375-22-4	Perfluorobutanoic acid	0.018 U	0.0926	0.0926	100	40-150
2706-90-3	Perfluoropentanoic acid	0.0091 U	0.0463	0.0469	101	40-150
307-24-4	Perfluorohexanoic acid	0.0045 U	0.0231	0.0242	105	40-150
375-85-9	Perfluoroheptanoic acid	0.0045 U	0.0231	0.0239	103	40-150
335-67-1	Perfluorooctanoic acid	0.0045 U	0.0231	0.0219	95	40-150
375-95-1	Perfluorononanoic acid	0.0045 U	0.0231	0.0257	111	40-150
335-76-2	Perfluorodecanoic acid	0.0045 U	0.0231	0.0225	97	40-150
2058-94-8	Perfluoroundecanoic acid	0.0045 U	0.0231	0.0255	110	40-150
307-55-1	Perfluorododecanoic acid	0.0045 U	0.0231	0.0242	105	40-150
72629-94-8	Perfluorotridecanoic acid	0.0045 U	0.0231	0.0239	103	40-150
376-06-7	Perfluorotetradecanoic acid	0.0045 U	0.0231	0.0242	105	40-150
375-73-5	Perfluorobutanesulfonic acid	0.0045 U	0.0205	0.0204	99	40-150
2706-91-4	Perfluoropentanesulfonic acid	0.0045 U	0.0218	0.0237	109	40-150
355-46-4	Perfluorohexanesulfonic acid	0.0045 U	0.0212	0.0211	100	40-150
375-92-8	Perfluoroheptanesulfonic acid	0.0045 U	0.0221	0.0239	108	40-150
1763-23-1	Perfluorooctanesulfonic acid	0.0045 U	0.0215	0.0203	94	40-150
68259-12-1	Perfluorononanesulfonic acid	0.0045 U	0.0223	0.0217	97	40-150
335-77-3	Perfluorodecanesulfonic acid	0.0045 U	0.0223	0.0192	86	40-150
79780-39-5	Perfluorododecanesulfonic aci	0.0045 U	0.0225	0.0197	88	40-150
757124-72-44:2	Fluorotelomer sulfonate	0.018 U	0.0868	0.0826	95	40-150
27619-97-2	6:2 Fluorotelomer sulfonate	0.018 U	0.088	0.0922	105	40-150
39108-34-4	8:2 Fluorotelomer sulfonate	0.018 U	0.0889	0.0854	96	40-150
754-91-6	PFOSA	0.0045 U	0.0231	0.0244	105	40-150
31506-32-8	MeFOSA	0.0045 U	0.0231	0.0236	102	40-150
4151-50-2	EtFOSA	0.0045 U	0.0231	0.0230	99	40-150
2355-31-9	MeFOSAA	0.0045 U	0.0231	0.0269	116	40-150
2991-50-6	EtFOSAA	0.0045 U	0.0231	0.0231	100	40-150
24448-09-7	MeFOSE	0.045 U	0.231	0.232	100	40-150
1691-99-2	EtFOSE	0.045 U	0.231	0.230	99	40-150
13252-13-6	HFPO-DA (GenX)	0.018 U	0.0926	0.101	109	40-150
919005-14-4	ADONA	0.018 U	0.0875	0.0904	103	40-150
377-73-1	PFMPA	0.0091 U	0.0463	0.0463	100	40-150
863090-89-5	PFMBA	0.0091 U	0.0463	0.0461	100	40-150
151772-58-6	NFDHA	0.0091 U	0.0463	0.0460	99	40-150
756426-58-19	Cl-PF3ONS (F-53B Major)	0.018 U	0.0866	0.0787	91	40-150
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.018 U	0.0875	0.0770	88	40-150

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96169-MS	6Q15918.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237
FC3793-1	6Q15917.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	FC3793-1 ug/l	Spike Q	MS ug/l	MS %	Limits
113507-82-7	PFEESA	0.0091 U	0.0412	0.0431	105	40-150
356-02-5	3:3 Fluorotelomer carboxylate	0.023 U	0.116	0.103	89	40-150
914637-49-35:3	Fluorotelomer carboxylate	0.11 U	0.579	0.567	98	40-150
812-70-4	7:3 Fluorotelomer carboxylate	0.11 U	0.579	0.547	95	40-150

CAS No.	ID Standard Recoveries	MS	FC3793-1	Limits
	13C4-PFBA	108%	112%	20-150%
	13C5-PFPeA	106%	111%	20-150%
	13C5-PFHxA	106%	108%	20-150%
	13C4-PFHpA	105%	116%	20-150%
	13C8-PFOA	119%	113%	20-150%
	13C9-PFNA	100%	109%	20-150%
	13C6-PFDA	106%	108%	20-150%
	13C7-PFUnDA	91%	102%	20-150%
	13C2-PFDoDA	86%	84%	20-150%
	13C2-PFTeDA	85%	84%	20-150%
	13C3-PFBS	123%	109%	20-150%
	13C3-PFHxS	118%	107%	20-150%
	13C8-PFOS	107%	107%	20-150%
	13C8-FOSA	95%	92%	20-150%
	d3-MeFOSA	91%	85%	20-150%
	d5-EtFOSA	88%	90%	20-150%
	d3-MeFOSAA	97%	109%	20-150%
	d5-EtFOSAA	100%	106%	20-150%
	d7-MeFOSE	90%	87%	20-150%
	d9-EtFOSE	89%	88%	20-150%
	13C2-4:2FTS	140%	123%	20-150%
	13C2-6:2FTS	130%	118%	20-150%
	13C2-8:2FTS	126%	113%	20-150%
	13C3-HFPO-DA	108%	113%	20-150%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96169-DUP	6Q15920.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237
FC3793-2	6Q15919.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	FC3793-2 ug/l	DUP Q ug/l	Q	RPD	Limits
375-22-4	Perfluorobutanoic acid	0.018 U	ND		nc	30
2706-90-3	Perfluoropentanoic acid	0.0091 U	ND		nc	30
307-24-4	Perfluorohexanoic acid	0.0045 U	ND		nc	30
375-85-9	Perfluoroheptanoic acid	0.0045 U	ND		nc	30
335-67-1	Perfluorooctanoic acid	0.0045 U	ND		nc	30
375-95-1	Perfluorononanoic acid	0.0045 U	ND		nc	30
335-76-2	Perfluorodecanoic acid	0.0045 U	ND		nc	30
2058-94-8	Perfluoroundecanoic acid	0.0045 U	ND		nc	30
307-55-1	Perfluorododecanoic acid	0.0045 U	ND		nc	30
72629-94-8	Perfluorotridecanoic acid	0.0045 U	ND		nc	30
376-06-7	Perfluorotetradecanoic acid	0.0045 U	ND		nc	30
375-73-5	Perfluorobutanesulfonic acid	0.0045 U	ND		nc	30
2706-91-4	Perfluoropentanesulfonic acid	0.0045 U	ND		nc	30
355-46-4	Perfluorohexanesulfonic acid	0.0045 U	ND		nc	30
375-92-8	Perfluoroheptanesulfonic acid	0.0045 U	ND		nc	30
1763-23-1	Perfluorooctanesulfonic acid	0.0045 U	ND		nc	30
68259-12-1	Perfluorononanesulfonic acid	0.0045 U	ND		nc	30
335-77-3	Perfluorodecanesulfonic acid	0.0045 U	ND		nc	30
79780-39-5	Perfluorododecanesulfonic aci	0.0045 U	ND		nc	30
757124-72-44:2	Fluorotelomer sulfonate	0.018 U	ND		nc	30
27619-97-2	6:2 Fluorotelomer sulfonate	0.018 U	ND		nc	30
39108-34-4	8:2 Fluorotelomer sulfonate	0.018 U	ND		nc	30
754-91-6	PFOSA	0.0045 U	ND		nc	30
31506-32-8	MeFOSA	0.0045 U	ND		nc	30
4151-50-2	EtFOSA	0.0045 U	ND		nc	30
2355-31-9	MeFOSAA	0.0045 U	ND		nc	30
2991-50-6	EtFOSAA	0.0045 U	ND		nc	30
24448-09-7	MeFOSE	0.045 U	ND		nc	30
1691-99-2	EtFOSE	0.045 U	ND		nc	30
13252-13-6	HFPO-DA (GenX)	0.018 U	ND		nc	30
919005-14-4	ADONA	0.018 U	ND		nc	30
377-73-1	PFMPA	0.0091 U	ND		nc	30
863090-89-5	PFMBA	0.0091 U	ND		nc	30
151772-58-6	NFDHA	0.0091 U	ND		nc	30
756426-58-19	Cl-PF3ONS (F-53B Major)	0.018 U	ND		nc	30
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.018 U	ND		nc	30

* = Outside of Control Limits.

Duplicate Summary

Job Number: FC3793
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96169-DUP	6Q15920.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237
FC3793-2	6Q15919.D	1	03/31/23	MV	03/30/23	OP96169	S6Q237

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC3793-1, FC3793-2

CAS No.	Compound	FC3793-2 ug/l	DUP Q	ug/l	Q	RPD	Limits
113507-82-7PFEESA		0.0091 U	ND			nc	30
356-02-5	3:3 Fluorotelomer carboxylate	0.023 U	ND			nc	30
914637-49-35:3	Fluorotelomer carboxylate	0.11 U	ND			nc	30
812-70-4	7:3 Fluorotelomer carboxylate	0.11 U	ND			nc	30

CAS No.	ID Standard Recoveries	DUP	FC3793-2	Limits
	13C4-PFBA	110%	106%	20-150%
	13C5-PFPeA	105%	104%	20-150%
	13C5-PFHxA	108%	109%	20-150%
	13C4-PFHpA	107%	110%	20-150%
	13C8-PFOA	111%	102%	20-150%
	13C9-PFNA	113%	106%	20-150%
	13C6-PFDA	91%	110%	20-150%
	13C7-PFUnDA	98%	99%	20-150%
	13C2-PFDoDA	95%	98%	20-150%
	13C2-PFTeDA	92%	88%	20-150%
	13C3-PFBS	104%	113%	20-150%
	13C3-PFHxS	106%	105%	20-150%
	13C8-PFOS	105%	100%	20-150%
	13C8-FOSA	100%	97%	20-150%
	d3-MeFOSA	91%	77%	20-150%
	d5-EtFOSA	93%	86%	20-150%
	d3-MeFOSAA	118%	115%	20-150%
	d5-EtFOSAA	112%	105%	20-150%
	d7-MeFOSE	89%	87%	20-150%
	d9-EtFOSE	87%	87%	20-150%
	13C2-4:2FTS	124%	128%	20-150%
	13C2-6:2FTS	119%	119%	20-150%
	13C2-8:2FTS	113%	117%	20-150%
	13C3-HFPO-DA	110%	109%	20-150%

* = Outside of Control Limits.