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Automated Report

Technical Report for

AECOM, INC.

N6274223F0104 RH Fire Suppression System

60697810

SGS Job Number: FC5621

Sampling Date: 04/26/23



Report to:

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Total number of pages in report: 34



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

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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

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Test results relate only to samples analyzed.

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Sample Summary

AECOM, INC.

Job No: FC5621

N6274223F0104 RH Fire Suppression System
Project No: 60697810

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FC5621-1	04/26/23	09:00	EMMM04/27/23	AQ	Ground Water	AF-RHMW225401-WGN01B-2304W4

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: AECOM, INC.

Job No: FC5621

Site: N6274223F0104 RH Fire Suppression System

Report Date: 5/4/2023 9:19:38 AM

On 04/27/2023, 1 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 1.1 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC5621 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: OP96627

Sample(s) FC5295-5MS, FC5295-6DUP were used as the QC samples indicated.

OP96627-BS for d7-MeFOSE: Outside control limits.

OP96627-LLBS for d7-MeFOSE: Outside control limits.

OP96627-LLBS for d9-EtFOSE: Outside control limits.

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: FC5621
Account: AECOM, INC.
Project: N6274223F0104 RH Fire Suppression System
Collected: 04/26/23



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
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FC5621-1 AF-RHMW225401-WGN01B-2304W4

Perfluorohexanoic acid	0.86 J	3.5	1.8	ng/l	EPA DRAFT 1633
Perfluoroheptanoic acid	0.70 J	3.5	1.8	ng/l	EPA DRAFT 1633
Perfluorooctanoic acid	1.8 J	3.5	0.88	ng/l	EPA DRAFT 1633
Perfluorohexanesulfonic acid	1.0 J	3.5	1.8	ng/l	EPA DRAFT 1633
Perfluorooctanesulfonic acid	1.1 J	3.5	1.8	ng/l	EPA DRAFT 1633

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	AF-RHMW225401-WGN01B-2304W4		
Lab Sample ID:	FC5621-1	Date Sampled:	04/26/23
Matrix:	AQ - Ground Water	Date Received:	04/27/23
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	6Q17388.D	1	05/03/23 11:00	MV	04/28/23 11:00	OP96627	S6Q261
Run #2							

Run #	Initial Volume	Final Volume
Run #1	570 ml	5.0 ml
Run #2		

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
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PERFLUOROALKYL CARBOXYLIC ACIDS

375-22-4	Perfluorobutanoic acid	3.5 U	14	3.5	1.7	ng/l	
2706-90-3	Perfluoropentanoic acid	1.8 U	7.0	1.8	0.82	ng/l	
307-24-4	Perfluorohexanoic acid	0.86	3.5	1.8	0.44	ng/l	J
375-85-9	Perfluoroheptanoic acid	0.70	3.5	1.8	0.44	ng/l	J
335-67-1	Perfluorooctanoic acid	1.8	3.5	0.88	0.44	ng/l	J
375-95-1	Perfluorononanoic acid	1.8 U	3.5	1.8	0.54	ng/l	
335-76-2	Perfluorodecanoic acid	1.8 U	3.5	1.8	0.44	ng/l	
2058-94-8	Perfluoroundecanoic acid	1.8 U	3.5	1.8	0.53	ng/l	
307-55-1	Perfluorododecanoic acid	1.8 U	3.5	1.8	0.53	ng/l	
72629-94-8	Perfluorotridecanoic acid	1.8 U	3.5	1.8	0.74	ng/l	
376-06-7	Perfluorotetradecanoic acid	1.8 U	3.5	1.8	0.44	ng/l	

PERFLUOROALKYL SULFONIC ACIDS

375-73-5	Perfluorobutanesulfonic acid	1.8 U	3.5	1.8	0.44	ng/l	
2706-91-4	Perfluoropentanesulfonic acid	3.5 U	4.4	3.5	0.98	ng/l	
355-46-4	Perfluorohexanesulfonic acid	1.0	3.5	1.8	0.61	ng/l	J
375-92-8	Perfluoroheptanesulfonic acid	1.8 U	3.5	1.8	0.44	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	1.1	3.5	1.8	0.47	ng/l	J
68259-12-1	Perfluorononanesulfonic acid	1.8 U	3.5	1.8	0.50	ng/l	
335-77-3	Perfluorodecanesulfonic acid	1.8 U	3.5	1.8	0.56	ng/l	
79780-39-5	Perfluorododecanesulfonic aci	3.5 U	4.4	3.5	1.0	ng/l	

FLUOROTELOMER SULFONIC ACIDS

757124-72-4	4:2 Fluorotelomer sulfonate	7.0 U	18	7.0	2.8	ng/l	
27619-97-2	6:2 Fluorotelomer sulfonate	7.0 U	18	7.0	3.0	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	7.0 U	18	7.0	3.6	ng/l	

PERFLUOROOCCTANE SULFONAMIDES

754-91-6	PFOSA	1.8 U	3.5	1.8	0.59	ng/l	
31506-32-8	MeFOSA	3.5 U	7.0	3.5	0.88	ng/l	
4151-50-2	EtFOSA	3.5 U	7.0	3.5	0.88	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

4.1
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Report of Analysis

Client Sample ID:	AF-RHMW225401-WGN01B-2304W4		
Lab Sample ID:	FC5621-1	Date Sampled:	04/26/23
Matrix:	AQ - Ground Water	Date Received:	04/27/23
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
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PERFLUOROOCCTANE SULFONAMIDOACETIC ACIDS

2355-31-9	MeFOSAA	3.5 U	4.4	3.5	0.88	ng/l	
2991-50-6	EtFOSAA	3.5 U	4.4	3.5	1.2	ng/l	

PERFLUOROOCCTANE SULFONAMIDO ETHANOLS

24448-09-7	MeFOSE	18 U	35	18	3.8	ng/l	
1691-99-2	EtFOSE	18 U	35	18	6.5	ng/l	

PER and POLYFLUOROETHER CARBOXYLIC ACIDS

13252-13-6	HFPO-DA (GenX)	1.8 U	3.5	1.8	0.88	ng/l	
919005-14-4	ADONA	3.5 U	7.0	3.5	1.6	ng/l	
377-73-1	PFMPA	1.8 U	7.0	1.8	0.88	ng/l	
863090-89-5	PFMBA	3.5 U	7.0	3.5	1.0	ng/l	
151772-58-6	NFDHA	3.5 U	7.0	3.5	1.1	ng/l	

PER and POLYFLUOROETHER SULFONIC ACIDS

756426-58-1	9Cl-PF3ONS (F-53B Major)	3.5 U	7.0	3.5	1.2	ng/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	3.5 U	7.0	3.5	1.5	ng/l	
113507-82-7	PFEESA	1.8 U	7.0	1.8	0.68	ng/l	

FLUOROTELOMER CARBOXYLIC ACIDS

356-02-5	3:3 Fluorotelomer carboxylate	8.8 U	18	8.8	4.0	ng/l	
914637-49-3	5:3 Fluorotelomer carboxylate	18 U	88	18	7.7	ng/l	
812-70-4	7:3 Fluorotelomer carboxylate	18 U	88	18	6.9	ng/l	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
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	13C4-PFBA	106%		20-150%
	13C5-PFPeA	99%		20-150%
	13C5-PFHxA	103%		20-150%
	13C4-PFHpA	106%		20-150%
	13C8-PFOA	95%		20-150%
	13C9-PFNA	115%		20-150%
	13C6-PFDA	113%		20-150%
	13C7-PFUnDA	103%		20-150%
	13C2-PFDoDA	94%		20-150%
	13C2-PFTeDA	76%		20-150%
	13C3-PFBS	98%		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-RHMW225401-WGN01B-2304W4		
Lab Sample ID:	FC5621-1	Date Sampled:	04/26/23
Matrix:	AQ - Ground Water	Date Received:	04/27/23
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	98%		20-150%
	13C8-FOSA	57%		20-150%
	d3-MeFOSA	41%		20-150%
	d5-EtFOSA	36%		20-150%
	d3-MeFOSAA	114%		20-150%
	d5-EtFOSAA	107%		20-150%
	d7-MeFOSE	32%		20-150%
	d9-EtFOSE	31%		20-150%
	13C2-4:2FTS	101%		20-180%
	13C2-6:2FTS	107%		20-180%
	13C2-8:2FTS	97%		20-180%
	13C3-HFPO-DA	111%		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: FC5621

Client: AECOM

Project: N6274223F0104 RH Fire Suppression System

Date / Time Received: 4/27/2023 3:00:00 PM

Delivery Method: United Cargo/Airspace

Airbill #'s: United Cargo AWB #: 016-72529822

Therm ID: IR 1;

Therm CF: -0.1;

of Coolers: 1

Cooler Temps (Raw Measured) °C: Cooler 1: (1.2);

Cooler Temps (Corrected) °C: Cooler 1: (1.1);

Cooler Information

Y or N

- | | | |
|-----------------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Temp criteria achieved | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 4. Cooler temp verification | IR Gun | |
| 5. Cooler media | Ice (Bag) | |

Trip Blank Information

Y or N N/A

- | | | | |
|--------------------------------|--------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| | <u>W or S</u> | | <u>N/A</u> |
| 3. Type Of TB Received | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Information

Y or N N/A

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

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: ZANEB

Date: 4/27/2023 3:00:00 PM

Reviewer: CD

Date: 5/1/2023

FC5621: Chain of Custody

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QC Evaluation: DOD QSM5.x Limits

Job Number: FC5621
Account: AECOM, INC.
Project: N6274223F0104 RH Fire Suppression System
Collected: 04/26/23

QC Sample ID	CAS#	Analyte	Sample Result Type	Result Type	Units	Limits
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No DOD QSM5.x Limits found for methods in this job.

* Sample used for QC is not from job FC5621

5.2
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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: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q261-IBLK	6Q17291.D	1	05/02/23	MV	n/a	n/a	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

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	0.0013	0.0020	0.0010	ug/l	J
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: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q261-IBLK	6Q17291.D	1	05/02/23	MV	n/a	n/a	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

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	101% 20-150%
	13C5-PFPeA	97% 20-150%
	13C5-PFHxA	99% 20-150%
	13C4-PFHpA	103% 20-150%
	13C8-PFOA	98% 20-150%
	13C9-PFNA	95% 20-150%
	13C6-PFDA	103% 20-150%
	13C7-PFUnDA	103% 20-150%
	13C2-PFDoDA	95% 20-150%
	13C2-PFTeDA	98% 20-150%
	13C3-PFBS	98% 20-150%
	13C3-PFHxS	100% 20-150%
	13C8-PFOS	97% 20-150%
	13C8-FOSA	97% 20-150%
	d3-MeFOSA	95% 20-150%
	d5-EtFOSA	94% 20-150%
	d3-MeFOSAA	105% 20-150%
	d5-EtFOSAA	101% 20-150%
	d7-MeFOSE	94% 20-150%
	d9-EtFOSE	93% 20-150%
	13C2-4:2FTS	99% 20-180%
	13C2-6:2FTS	101% 20-180%
	13C2-8:2FTS	94% 20-180%
	13C3-HFPO-DA	103% 20-150%

6.1.1
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Continuing Calibration Blank

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q261-ICCB	6Q17383.D	1	05/03/23	MV	n/a	n/a	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.016	0.0019	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0080	0.00094	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0040	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0040	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0040	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0040	0.00061	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0040	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0040	0.00060	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0040	0.00060	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0040	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0040	0.00050	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0040	0.00050	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0050	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0040	0.00070	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0040	0.00050	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0040	0.00054	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0040	0.00057	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0040	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	0.0040	0.00067	ug/l	
31506-32-8	MeFOSA	ND	0.0080	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0080	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	0.040	0.0044	ug/l	
1691-99-2	EtFOSE	ND	0.040	0.0074	ug/l	
13252-13-6	HFPO-DA (GenX)	ND	0.0040	0.0010	ug/l	
919005-14-4	ADONA	ND	0.0080	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0080	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0080	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0080	0.0012	ug/l	
756426-58-19	Cl-PF3ONS (F-53B Major)	ND	0.0080	0.0014	ug/l	
763051-92-91	Cl-PF3OUdS (F-53B Minor)	ND	0.0080	0.0018	ug/l	

Continuing Calibration Blank

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q261-ICCB	6Q17383.D	1	05/03/23	MV	n/a	n/a	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	Result	RL	MDL	Units	Q
113507-82-7	PFEESA	ND	0.0080	0.00078	ug/l	
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.020	0.0045	ug/l	
914637-49-35:3	Fluorotelomer carboxylate	ND	0.10	0.0087	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.10	0.0079	ug/l	

CAS No.	ID Standard Recoveries	Limits
	13C4-PFBA	103% 20-150%
	13C5-PFPeA	97% 20-150%
	13C5-PFHxA	103% 20-150%
	13C4-PFHpA	102% 20-150%
	13C8-PFOA	103% 20-150%
	13C9-PFNA	95% 20-150%
	13C6-PFDA	97% 20-150%
	13C7-PFUnDA	98% 20-150%
	13C2-PFDoDA	99% 20-150%
	13C2-PFTeDA	95% 20-150%
	13C3-PFBS	98% 20-150%
	13C3-PFHxS	100% 20-150%
	13C8-PFOS	103% 20-150%
	13C8-FOSA	105% 20-150%
	d3-MeFOSA	90% 20-150%
	d5-EtFOSA	98% 20-150%
	d3-MeFOSAA	110% 20-150%
	d5-EtFOSAA	109% 20-150%
	d7-MeFOSE	98% 20-150%
	d9-EtFOSE	97% 20-150%
	13C2-4:2FTS	85% 20-180%
	13C2-6:2FTS	106% 20-180%
	13C2-8:2FTS	104% 20-180%
	13C3-HFPO-DA	108% 20-150%

Continuing Calibration Blank

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q261-ICCB	6Q17390.D	1	05/03/23	MV	n/a	n/a	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.016	0.0019	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0080	0.00094	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0040	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0040	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0040	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0040	0.00061	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0040	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0040	0.00060	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0040	0.00060	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0040	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0040	0.00050	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0040	0.00050	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0050	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0040	0.00070	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0040	0.00050	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0040	0.00054	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0040	0.00057	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0040	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	0.0040	0.00067	ug/l	
31506-32-8	MeFOSA	ND	0.0080	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0080	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	0.040	0.0044	ug/l	
1691-99-2	EtFOSE	ND	0.040	0.0074	ug/l	
13252-13-6	HFPO-DA (GenX)	ND	0.0040	0.0010	ug/l	
919005-14-4	ADONA	ND	0.0080	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0080	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0080	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0080	0.0012	ug/l	
756426-58-19	Cl-PF3ONS (F-53B Major)	ND	0.0080	0.0014	ug/l	
763051-92-91	Cl-PF3OUdS (F-53B Minor)	ND	0.0080	0.0018	ug/l	

Continuing Calibration Blank

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q261-ICCB	6Q17390.D	1	05/03/23	MV	n/a	n/a	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	Result	RL	MDL	Units	Q
113507-82-7	PFEESA	ND	0.0080	0.00078	ug/l	
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.020	0.0045	ug/l	
914637-49-35:3	Fluorotelomer carboxylate	ND	0.10	0.0087	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.10	0.0079	ug/l	

CAS No.	ID Standard Recoveries	Limits
	13C4-PFBA	104% 20-150%
	13C5-PFPeA	94% 20-150%
	13C5-PFHxA	98% 20-150%
	13C4-PFHpA	101% 20-150%
	13C8-PFOA	96% 20-150%
	13C9-PFNA	97% 20-150%
	13C6-PFDA	114% 20-150%
	13C7-PFUnDA	113% 20-150%
	13C2-PFDoDA	106% 20-150%
	13C2-PFTeDA	106% 20-150%
	13C3-PFBS	93% 20-150%
	13C3-PFHxS	94% 20-150%
	13C8-PFOS	107% 20-150%
	13C8-FOSA	106% 20-150%
	d3-MeFOSAA	108% 20-150%
	d5-EtFOSAA	111% 20-150%
	13C2-4:2FTS	97% 20-180%
	13C2-6:2FTS	96% 20-180%
	13C2-8:2FTS	93% 20-180%

Method Blank Summary

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96627-MB	6Q17363.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.016	0.0019	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0080	0.00094	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0040	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0040	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0040	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0040	0.00061	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0040	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0040	0.00060	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0040	0.00060	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0040	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0040	0.00050	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0040	0.00050	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0050	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0040	0.00070	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0040	0.00050	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0040	0.00054	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0040	0.00057	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0040	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	0.0040	0.00067	ug/l	
31506-32-8	MeFOSA	ND	0.0080	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0080	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	0.040	0.0044	ug/l	
1691-99-2	EtFOSE	ND	0.040	0.0074	ug/l	
13252-13-6	HFPO-DA (GenX)	ND	0.0040	0.0010	ug/l	
919005-14-4	ADONA	ND	0.0080	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0080	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0080	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0080	0.0012	ug/l	
756426-58-19	Cl-PF3ONS (F-53B Major)	ND	0.0080	0.0014	ug/l	
763051-92-91	Cl-PF3OUdS (F-53B Minor)	ND	0.0080	0.0018	ug/l	

Method Blank Summary

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96627-MB	6Q17363.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	Result	RL	MDL	Units	Q
113507-82-7	PFEESA	ND	0.0080	0.00078	ug/l	
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.020	0.0045	ug/l	
914637-49-35:3	Fluorotelomer carboxylate	ND	0.10	0.0087	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.10	0.0079	ug/l	

CAS No.	ID Standard Recoveries	Limits
	13C4-PFBA	114% 20-150%
	13C5-PFPeA	103% 20-150%
	13C5-PFHxA	110% 20-150%
	13C4-PFHpA	109% 20-150%
	13C8-PFOA	113% 20-150%
	13C9-PFNA	96% 20-150%
	13C6-PFDA	112% 20-150%
	13C7-PFUnDA	109% 20-150%
	13C2-PFDoDA	98% 20-150%
	13C2-PFTeDA	93% 20-150%
	13C3-PFBS	107% 20-150%
	13C3-PFHxS	109% 20-150%
	13C8-PFOS	104% 20-150%
	13C8-FOSA	37% 20-150%
	d3-MeFOSA	28% 20-150%
	d5-EtFOSA	25% 20-150%
	d3-MeFOSAA	114% 20-150%
	d5-EtFOSAA	98% 20-150%
	d7-MeFOSE	22% 20-150%
	d9-EtFOSE	24% 20-150%
	13C2-4:2FTS	109% 20-180%
	13C2-6:2FTS	106% 20-180%
	13C2-8:2FTS	114% 20-180%
	13C3-HFPO-DA	110% 20-150%

Continuing Calibration Blank

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q261-ICCB	6Q17360.D	1	05/03/23	MV	n/a	n/a	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

OP96627-BS, OP96627-LLBS, OP96627-MB, OP96627-MS

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.016	0.0019	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0080	0.00094	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0040	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0040	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0040	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0040	0.00061	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0040	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0040	0.00060	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0040	0.00060	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0040	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0040	0.00050	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0040	0.00050	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0050	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0040	0.00070	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0040	0.00050	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0040	0.00054	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0040	0.00057	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0040	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	0.0040	0.00067	ug/l	
31506-32-8	MeFOSA	ND	0.0080	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0080	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	0.040	0.0044	ug/l	
1691-99-2	EtFOSE	ND	0.040	0.0074	ug/l	
13252-13-6	HFPO-DA (GenX)	ND	0.0040	0.0010	ug/l	
919005-14-4	ADONA	ND	0.0080	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0080	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0080	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0080	0.0012	ug/l	
756426-58-19	Cl-PF3ONS (F-53B Major)	ND	0.0080	0.0014	ug/l	
763051-92-91	Cl-PF3OUdS (F-53B Minor)	ND	0.0080	0.0018	ug/l	

Continuing Calibration Blank

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q261-ICCB	6Q17360.D	1	05/03/23	MV	n/a	n/a	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

OP96627-BS, OP96627-LLBS, OP96627-MB, OP96627-MS

CAS No.	Compound	Result	RL	MDL	Units	Q
113507-82-7	PFEESA	ND	0.0080	0.00078	ug/l	
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.020	0.0045	ug/l	
914637-49-35:3	Fluorotelomer carboxylate	ND	0.10	0.0087	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.10	0.0079	ug/l	

CAS No.	ID Standard Recoveries	Limits
	13C4-PFBA	104% 20-150%
	13C5-PFPeA	97% 20-150%
	13C5-PFHxA	101% 20-150%
	13C4-PFHpA	103% 20-150%
	13C8-PFOA	100% 20-150%
	13C9-PFNA	102% 20-150%
	13C6-PFDA	103% 20-150%
	13C7-PFUnDA	100% 20-150%
	13C2-PFDoDA	94% 20-150%
	13C2-PFTeDA	92% 20-150%
	13C3-PFBS	91% 20-150%
	13C3-PFHxS	98% 20-150%
	13C8-PFOS	100% 20-150%
	13C8-FOSA	96% 20-150%
	d3-MeFOSAA	103% 20-150%
	d5-EtFOSAA	109% 20-150%
	13C2-4:2FTS	90% 20-180%
	13C2-6:2FTS	102% 20-180%
	13C2-8:2FTS	101% 20-180%

Continuing Calibration Blank

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q261-ICCB	6Q17371.D	1	05/03/23	MV	n/a	n/a	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

OP96627-DUP

CAS No.	Compound	Result	RL	MDL	Units	Q
375-22-4	Perfluorobutanoic acid	ND	0.016	0.0019	ug/l	
2706-90-3	Perfluoropentanoic acid	ND	0.0080	0.00094	ug/l	
307-24-4	Perfluorohexanoic acid	ND	0.0040	0.00050	ug/l	
375-85-9	Perfluoroheptanoic acid	ND	0.0040	0.00050	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.0040	0.00050	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.0040	0.00061	ug/l	
335-76-2	Perfluorodecanoic acid	ND	0.0040	0.00050	ug/l	
2058-94-8	Perfluoroundecanoic acid	ND	0.0040	0.00060	ug/l	
307-55-1	Perfluorododecanoic acid	ND	0.0040	0.00060	ug/l	
72629-94-8	Perfluorotridecanoic acid	ND	0.0040	0.00084	ug/l	
376-06-7	Perfluorotetradecanoic acid	ND	0.0040	0.00050	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.0040	0.00050	ug/l	
2706-91-4	Perfluoropentanesulfonic acid	ND	0.0050	0.0011	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.0040	0.00070	ug/l	
375-92-8	Perfluoroheptanesulfonic acid	ND	0.0040	0.00050	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.0040	0.00054	ug/l	
68259-12-1	Perfluorononanesulfonic acid	ND	0.0040	0.00057	ug/l	
335-77-3	Perfluorodecanesulfonic acid	ND	0.0040	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	0.0040	0.00067	ug/l	
31506-32-8	MeFOSA	ND	0.0080	0.0010	ug/l	
4151-50-2	EtFOSA	ND	0.0080	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	0.040	0.0044	ug/l	
1691-99-2	EtFOSE	ND	0.040	0.0074	ug/l	
13252-13-6	HFPO-DA (GenX)	ND	0.0040	0.0010	ug/l	
919005-14-4	ADONA	ND	0.0080	0.0019	ug/l	
377-73-1	PFMPA	ND	0.0080	0.0010	ug/l	
863090-89-5	PFMBA	ND	0.0080	0.0011	ug/l	
151772-58-6	NFDHA	ND	0.0080	0.0012	ug/l	
756426-58-19	Cl-PF3ONS (F-53B Major)	ND	0.0080	0.0014	ug/l	
763051-92-91	Cl-PF3OUdS (F-53B Minor)	ND	0.0080	0.0018	ug/l	

Continuing Calibration Blank

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q261-ICCB	6Q17371.D	1	05/03/23	MV	n/a	n/a	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

OP96627-DUP

CAS No.	Compound	Result	RL	MDL	Units	Q
113507-82-7	PFEESA	ND	0.0080	0.00078	ug/l	
356-02-5	3:3 Fluorotelomer carboxylate	ND	0.020	0.0045	ug/l	
914637-49-35:3	Fluorotelomer carboxylate	ND	0.10	0.0087	ug/l	
812-70-4	7:3 Fluorotelomer carboxylate	ND	0.10	0.0079	ug/l	

CAS No.	ID Standard Recoveries	Limits
	13C4-PFBA	103% 20-150%
	13C5-PFPeA	94% 20-150%
	13C5-PFHxA	103% 20-150%
	13C4-PFHpA	103% 20-150%
	13C8-PFOA	103% 20-150%
	13C9-PFNA	103% 20-150%
	13C6-PFDA	107% 20-150%
	13C7-PFUnDA	109% 20-150%
	13C2-PFDoDA	102% 20-150%
	13C2-PFTeDA	103% 20-150%
	13C3-PFBS	91% 20-150%
	13C3-PFHxS	92% 20-150%
	13C8-PFOS	104% 20-150%
	13C8-FOSA	100% 20-150%
	d3-MeFOSA	93% 20-150%
	d5-EtFOSA	93% 20-150%
	d3-MeFOSAA	110% 20-150%
	d5-EtFOSAA	111% 20-150%
	d7-MeFOSE	97% 20-150%
	d9-EtFOSE	94% 20-150%
	13C2-4:2FTS	91% 20-180%
	13C2-6:2FTS	99% 20-180%
	13C2-8:2FTS	95% 20-180%
	13C3-HFPO-DA	103% 20-150%

Blank Spike Summary

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96627-LLBS	6Q17362.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
375-22-4	Perfluorobutanoic acid	0.03	0.0296	99	40-150
2706-90-3	Perfluoropentanoic acid	0.015	0.0146	97	40-150
307-24-4	Perfluorohexanoic acid	0.0075	0.0068	91	40-150
375-85-9	Perfluoroheptanoic acid	0.0075	0.0054	72	40-150
335-67-1	Perfluorooctanoic acid	0.0075	0.0077	103	40-150
375-95-1	Perfluorononanoic acid	0.0075	0.0071	95	40-150
335-76-2	Perfluorodecanoic acid	0.0075	0.0073	97	40-150
2058-94-8	Perfluoroundecanoic acid	0.0075	0.0076	101	40-150
307-55-1	Perfluorododecanoic acid	0.0075	0.0067	89	40-150
72629-94-8	Perfluorotridecanoic acid	0.0075	0.0067	89	40-150
376-06-7	Perfluorotetradecanoic acid	0.0075	0.0068	91	40-150
375-73-5	Perfluorobutanesulfonic acid	0.00665	0.0066	99	40-150
2706-91-4	Perfluoropentanesulfonic acid	0.00706	0.0065	92	40-150
355-46-4	Perfluorohexanesulfonic acid	0.00686	0.0066	96	40-150
375-92-8	Perfluoroheptanesulfonic acid	0.00715	0.0068	95	40-150
1763-23-1	Perfluorooctanesulfonic acid	0.00696	0.0068	98	40-150
68259-12-1	Perfluorononanesulfonic acid	0.00722	0.0068	94	40-150
335-77-3	Perfluorodecanesulfonic acid	0.00724	0.0068	94	40-150
79780-39-5	Perfluorododecanesulfonic aci	0.00728	0.0061	84	40-150
757124-72-44:2	Fluorotelomer sulfonate	0.0281	0.0282	100	40-150
27619-97-2	6:2 Fluorotelomer sulfonate	0.0285	0.0265	93	40-150
39108-34-4	8:2 Fluorotelomer sulfonate	0.0288	0.0298	103	40-150
754-91-6	PFOSA	0.0075	0.0073	97	40-150
31506-32-8	MeFOSA	0.015	0.0168	112	40-150
4151-50-2	EtFOSA	0.015	0.0154	103	40-150
2355-31-9	MeFOSAA	0.0075	0.0069	92	40-150
2991-50-6	EtFOSAA	0.0075	0.0060	80	40-150
24448-09-7	MeFOSE	0.0375	0.0357	95	40-150
1691-99-2	EtFOSE	0.0375	0.0346	92	40-150
13252-13-6	HFPO-DA (GenX)	0.015	0.0151	101	40-150
919005-14-4	ADONA	0.0142	0.0152	107	40-150
377-73-1	PFMPA	0.015	0.0150	100	40-150
863090-89-5	PFMBA	0.015	0.0148	99	40-150
151772-58-6	NFDHA	0.015	0.0132	88	40-150
756426-58-19	Cl-PF3ONS (F-53B Major)	0.014	0.0143	102	40-150
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.0142	0.0136	96	40-150

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96627-LLBS	6Q17362.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
113507-82-7	PFEESA	0.0134	0.0126	94	40-150
356-02-5	3:3 Fluorotelomer carboxylate	0.0375	0.0297	79	40-150
914637-49-35:3	Fluorotelomer carboxylate	0.188	0.145	77	40-150
812-70-4	7:3 Fluorotelomer carboxylate	0.188	0.124	66	40-150

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	111%	20-150%
	13C5-PFPeA	102%	20-150%
	13C5-PFHxA	107%	20-150%
	13C4-PFHpA	107%	20-150%
	13C8-PFOA	107%	20-150%
	13C9-PFNA	104%	20-150%
	13C6-PFDA	113%	20-150%
	13C7-PFUnDA	111%	20-150%
	13C2-PFDoDA	105%	20-150%
	13C2-PFTeDA	92%	20-150%
	13C3-PFBS	108%	20-150%
	13C3-PFHxS	119%	20-150%
	13C8-PFOS	107%	20-150%
	13C8-FOSA	42%	20-150%
	d3-MeFOSA	27%	20-150%
	d5-EtFOSA	23%	20-150%
	d3-MeFOSAA	111%	20-150%
	d5-EtFOSAA	120%	20-150%
	d7-MeFOSE	17%* a	20-150%
	d9-EtFOSE	18%* a	20-150%
	13C2-4:2FTS	107%	20-180%
	13C2-6:2FTS	113%	20-180%
	13C2-8:2FTS	114%	20-180%
	13C3-HFPO-DA	101%	20-150%

(a) Outside control limits.

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96627-BS	6Q17361.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
375-22-4	Perfluorobutanoic acid	0.1	0.103	103	40-150
2706-90-3	Perfluoropentanoic acid	0.05	0.0514	103	40-150
307-24-4	Perfluorohexanoic acid	0.025	0.0230	92	40-150
375-85-9	Perfluoroheptanoic acid	0.025	0.0248	99	40-150
335-67-1	Perfluorooctanoic acid	0.025	0.0238	95	40-150
375-95-1	Perfluorononanoic acid	0.025	0.0248	99	40-150
335-76-2	Perfluorodecanoic acid	0.025	0.0263	105	40-150
2058-94-8	Perfluoroundecanoic acid	0.025	0.0240	96	40-150
307-55-1	Perfluorododecanoic acid	0.025	0.0268	107	40-150
72629-94-8	Perfluorotridecanoic acid	0.025	0.0243	97	40-150
376-06-7	Perfluorotetradecanoic acid	0.025	0.0256	102	40-150
375-73-5	Perfluorobutanesulfonic acid	0.0222	0.0235	106	40-150
2706-91-4	Perfluoropentanesulfonic acid	0.0235	0.0245	104	40-150
355-46-4	Perfluorohexanesulfonic acid	0.0229	0.0235	103	40-150
375-92-8	Perfluoroheptanesulfonic acid	0.0238	0.0232	97	40-150
1763-23-1	Perfluorooctanesulfonic acid	0.0232	0.0230	99	40-150
68259-12-1	Perfluorononanesulfonic acid	0.0241	0.0228	95	40-150
335-77-3	Perfluorodecanesulfonic acid	0.0241	0.0238	99	40-150
79780-39-5	Perfluorododecanesulfonic aci	0.0243	0.0215	89	40-150
757124-72-44:2	Fluorotelomer sulfonate	0.0938	0.0894	95	40-150
27619-97-2	6:2 Fluorotelomer sulfonate	0.095	0.0815	86	40-150
39108-34-4	8:2 Fluorotelomer sulfonate	0.096	0.0920	96	40-150
754-91-6	PFOSA	0.025	0.0254	102	40-150
31506-32-8	MeFOSA	0.05	0.0509	102	40-150
4151-50-2	EtFOSA	0.05	0.0485	97	40-150
2355-31-9	MeFOSAA	0.025	0.0227	91	40-150
2991-50-6	EtFOSAA	0.025	0.0249	100	40-150
24448-09-7	MeFOSE	0.125	0.127	102	40-150
1691-99-2	EtFOSE	0.125	0.126	101	40-150
13252-13-6	HFPO-DA (GenX)	0.05	0.0497	99	40-150
919005-14-4	ADONA	0.0473	0.0497	105	40-150
377-73-1	PFMPA	0.05	0.0532	106	40-150
863090-89-5	PFMBA	0.05	0.0530	106	40-150
151772-58-6	NFDHA	0.05	0.0488	98	40-150
756426-58-19	Cl-PF3ONS (F-53B Major)	0.0468	0.0523	112	40-150
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.0473	0.0476	101	40-150

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96627-BS	6Q17361.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
113507-82-7	PFEESA	0.0445	0.0450	101	40-150
356-02-5	3:3 Fluorotelomer carboxylate	0.125	0.102	82	40-150
914637-49-35:3	Fluorotelomer carboxylate	0.625	0.479	77	40-150
812-70-4	7:3 Fluorotelomer carboxylate	0.625	0.464	74	40-150

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	107%	20-150%
	13C5-PFPeA	100%	20-150%
	13C5-PFHxA	109%	20-150%
	13C4-PFHpA	110%	20-150%
	13C8-PFOA	104%	20-150%
	13C9-PFNA	99%	20-150%
	13C6-PFDA	106%	20-150%
	13C7-PFUnDA	99%	20-150%
	13C2-PFDoDA	91%	20-150%
	13C2-PFTeDA	81%	20-150%
	13C3-PFBS	97%	20-150%
	13C3-PFHxS	102%	20-150%
	13C8-PFOS	106%	20-150%
	13C8-FOSA	45%	20-150%
	d3-MeFOSA	43%	20-150%
	d5-EtFOSA	40%	20-150%
	d3-MeFOSAA	118%	20-150%
	d5-EtFOSAA	106%	20-150%
	d7-MeFOSE	19%* a	20-150%
	d9-EtFOSE	21%	20-150%
	13C2-4:2FTS	106%	20-180%
	13C2-6:2FTS	109%	20-180%
	13C2-8:2FTS	100%	20-180%
	13C3-HFPO-DA	107%	20-150%

(a) Outside control limits.

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96627-MS	6Q17369.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261
FC5295-5	6Q17368.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	FC5295-5 ug/l	Spike Q	MS ug/l	MS %	Limits	
375-22-4	Perfluorobutanoic acid	0.014 U		0.0893	0.0922	103	40-150
2706-90-3	Perfluoropentanoic acid	0.0034 J		0.0446	0.0476	99	40-150
307-24-4	Perfluorohexanoic acid	0.00066 J		0.0223	0.0204	88	40-150
375-85-9	Perfluoroheptanoic acid	0.0036 U		0.0223	0.0226	101	40-150
335-67-1	Perfluorooctanoic acid	0.0036 U		0.0223	0.0211	95	40-150
375-95-1	Perfluorononanoic acid	0.0036 U		0.0223	0.0211	95	40-150
335-76-2	Perfluorodecanoic acid	0.0036 U		0.0223	0.0233	104	40-150
2058-94-8	Perfluoroundecanoic acid	0.0036 U		0.0223	0.0213	95	40-150
307-55-1	Perfluorododecanoic acid	0.0036 U		0.0223	0.0234	105	40-150
72629-94-8	Perfluorotridecanoic acid	0.0036 U		0.0223	0.0223	100	40-150
376-06-7	Perfluorotetradecanoic acid	0.0036 U		0.0223	0.0223	100	40-150
375-73-5	Perfluorobutanesulfonic acid	0.0036 U		0.0198	0.0197	99	40-150
2706-91-4	Perfluoropentanesulfonic acid	0.0045 U		0.021	0.0207	99	40-150
355-46-4	Perfluorohexanesulfonic acid	0.0036 U		0.0204	0.0202	99	40-150
375-92-8	Perfluoroheptanesulfonic acid	0.0036 U		0.0213	0.0218	102	40-150
1763-23-1	Perfluorooctanesulfonic acid	0.0036 U		0.0207	0.0201	97	40-150
68259-12-1	Perfluorononanesulfonic acid	0.0036 U		0.0215	0.0185	86	40-150
335-77-3	Perfluorodecanesulfonic acid	0.0036 U		0.0215	0.0179	83	40-150
79780-39-5	Perfluorododecanesulfonic aci	0.0045 U		0.0217	0.0167	77	40-150
757124-72-44:2	Fluorotelomer sulfonate	0.018 U		0.0837	0.0797	95	40-150
27619-97-2	6:2 Fluorotelomer sulfonate	0.018 U		0.0848	0.0794	94	40-150
39108-34-4	8:2 Fluorotelomer sulfonate	0.018 U		0.0857	0.0728	85	40-150
754-91-6	PFOSA	0.0036 U		0.0223	0.0218	98	40-150
31506-32-8	MeFOSA	0.0071 U		0.0446	0.0475	106	40-150
4151-50-2	EtFOSA	0.0071 U		0.0446	0.0448	100	40-150
2355-31-9	MeFOSAA	0.0045 U		0.0223	0.0230	103	40-150
2991-50-6	EtFOSAA	0.0045 U		0.0223	0.0222	99	40-150
24448-09-7	MeFOSE	0.036 U		0.112	0.115	103	40-150
1691-99-2	EtFOSE	0.036 U		0.112	0.106	95	40-150
13252-13-6	HFPO-DA (GenX)	0.0036 U		0.0446	0.0423	95	40-150
919005-14-4	ADONA	0.0071 U		0.0422	0.0454	108	40-150
377-73-1	PFMPA	0.0071 U		0.0446	0.0372	83	40-150
863090-89-5	PFMBA	0.0071 U		0.0446	0.0472	106	40-150
151772-58-6	NFDHA	0.0071 U		0.0446	0.0414	93	40-150
756426-58-19	Cl-PF3ONS (F-53B Major)	0.0071 U		0.0417	0.0406	97	40-150
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.0071 U		0.0422	0.0303	72	40-150

* = Outside of Control Limits.

Matrix Spike Summary

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96627-MS	6Q17369.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261
FC5295-5	6Q17368.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	FC5295-5 ug/l	Spike Q	MS ug/l	MS %	Limits
113507-82-7	PFEESA	0.0071 U	0.0397	0.0362	91	40-150
356-02-5	3:3 Fluorotelomer carboxylate	0.018 U	0.112	0.0735	66	40-150
914637-49-35:3	Fluorotelomer carboxylate	0.089 U	0.558	0.420	75	40-150
812-70-4	7:3 Fluorotelomer carboxylate	0.089 U	0.558	0.376	67	40-150

CAS No.	ID Standard Recoveries	MS	FC5295-5	Limits
	13C4-PFBA	62%	73%	20-150%
	13C5-PFPeA	97%	98%	20-150%
	13C5-PFHxA	115%	107%	20-150%
	13C4-PFHpA	114%	110%	20-150%
	13C8-PFOA	104%	99%	20-150%
	13C9-PFNA	103%	91%	20-150%
	13C6-PFDA	99%	91%	20-150%
	13C7-PFUnDA	85%	80%	20-150%
	13C2-PFDoDA	70%	72%	20-150%
	13C2-PFTeDA	70%	65%	20-150%
	13C3-PFBS	105%	104%	20-150%
	13C3-PFHxS	106%	108%	20-150%
	13C8-PFOS	99%	93%	20-150%
	13C8-FOSA	49%	48%	20-150%
	d3-MeFOSA	32%	36%	20-150%
	d5-EtFOSA	30%	37%	20-150%
	d3-MeFOSAA	86%	90%	20-150%
	d5-EtFOSAA	81%	85%	20-150%
	d7-MeFOSE	21%	30%	20-150%
	d9-EtFOSE	24%	33%	20-150%
	13C2-4:2FTS	100%	99%	20-180%
	13C2-6:2FTS	105%	106%	20-180%
	13C2-8:2FTS	97%	95%	20-180%
	13C3-HFPO-DA	110%	108%	20-150%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96627-DUP	6Q17373.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261
FC5295-6	6Q17372.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	FC5295-6 ug/l	DUP Q	ug/l	Q	RPD	Limits
375-22-4	Perfluorobutanoic acid	0.0266		0.0246	8		30
2706-90-3	Perfluoropentanoic acid	0.0803		0.0799	0		30
307-24-4	Perfluorohexanoic acid	0.0343		0.0313	9		30
375-85-9	Perfluoroheptanoic acid	0.0075		0.0076	1		30
335-67-1	Perfluorooctanoic acid	0.0062		0.0047	28		30
375-95-1	Perfluorononanoic acid	0.00083 J		0.00064 J	26		30
335-76-2	Perfluorodecanoic acid	0.0036 U		ND	nc		30
2058-94-8	Perfluoroundecanoic acid	0.0036 U		ND	nc		30
307-55-1	Perfluorododecanoic acid	0.0036 U		ND	nc		30
72629-94-8	Perfluorotridecanoic acid	0.0036 U		ND	nc		30
376-06-7	Perfluorotetradecanoic acid	0.0036 U		ND	nc		30
375-73-5	Perfluorobutanesulfonic acid	0.0133		0.0122	9		30
2706-91-4	Perfluoropentanesulfonic acid	0.0048		0.0047	2		30
355-46-4	Perfluorohexanesulfonic acid	0.0179		0.0162	10		30
375-92-8	Perfluoroheptanesulfonic acid	0.0036 U		ND	nc		30
1763-23-1	Perfluorooctanesulfonic acid	0.0097		0.0075	26		30
68259-12-1	Perfluorononanesulfonic acid	0.0036 U		ND	nc		30
335-77-3	Perfluorodecanesulfonic acid	0.0036 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	0.0153 J		0.0155 J	1		30
39108-34-4	8:2 Fluorotelomer sulfonate	0.018 U		ND	nc		30
754-91-6	PFOSA	0.0036 U		ND	nc		30
31506-32-8	MeFOSA	0.0073 U		ND	nc		30
4151-50-2	EtFOSA	0.0073 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	0.036 U		ND	nc		30
1691-99-2	EtFOSE	0.036 U		ND	nc		30
13252-13-6	HFPO-DA (GenX)	0.0036 U		ND	nc		30
919005-14-4	ADONA	0.0073 U		ND	nc		30
377-73-1	PFMPA	0.0073 U		ND	nc		30
863090-89-5	PFMBA	0.0073 U		ND	nc		30
151772-58-6	NFDHA	0.0073 U		ND	nc		30
756426-58-19	Cl-PF3ONS (F-53B Major)	0.0073 U		ND	nc		30
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.0073 U		ND	nc		30

* = Outside of Control Limits.

Duplicate Summary

Job Number: FC5621
 Account: AECOMCOD AECOM, INC.
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP96627-DUP	6Q17373.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261
FC5295-6	6Q17372.D	1	05/03/23	MV	04/28/23	OP96627	S6Q261

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC5621-1

CAS No.	Compound	FC5295-6 ug/l	DUP Q	ug/l	Q	RPD	Limits
113507-82-7	PFEESA	0.0073 U	ND			nc	30
356-02-5	3:3 Fluorotelomer carboxylate	0.018 U	ND			nc	30
914637-49-35:3	Fluorotelomer carboxylate	0.091 U	ND			nc	30
812-70-4	7:3 Fluorotelomer carboxylate	0.091 U	ND			nc	30

CAS No.	ID Standard Recoveries	DUP	FC5295-6	Limits
	13C4-PFBA	94%	94%	20-150%
	13C5-PFPeA	96%	91%	20-150%
	13C5-PFHxA	109%	99%	20-150%
	13C4-PFHpA	108%	103%	20-150%
	13C8-PFOA	96%	103%	20-150%
	13C9-PFNA	99%	88%	20-150%
	13C6-PFDA	94%	79%	20-150%
	13C7-PFUnDA	81%	68%	20-150%
	13C2-PFDoDA	76%	57%	20-150%
	13C2-PFTeDA	69%	59%	20-150%
	13C3-PFBS	98%	94%	20-150%
	13C3-PFHxS	98%	96%	20-150%
	13C8-PFOS	89%	74%	20-150%
	13C8-FOSA	50%	38%	20-150%
	d3-MeFOSA	48%	36%	20-150%
	d5-EtFOSA	49%	34%	20-150%
	d3-MeFOSAA	90%	73%	20-150%
	d5-EtFOSAA	85%	69%	20-150%
	d7-MeFOSE	39%	30%	20-150%
	d9-EtFOSE	47%	35%	20-150%
	13C2-4:2FTS	89%	90%	20-180%
	13C2-6:2FTS	95%	90%	20-180%
	13C2-8:2FTS	84%	72%	20-180%
	13C3-HFPO-DA	103%	100%	20-150%

* = Outside of Control Limits.