

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: FC10247**

**Sampling Date: 10/04/23**

### 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: 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 unless noted in the narrative, comments or footnotes.

A handwritten signature in black ink that reads "Norm Farmer".

**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

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Test results relate only to samples analyzed.

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## Sample Summary

AECOM, INC.

Job No: FC10247

N6274223F0104 RH Fire Suppression System  
Project No: 60697810

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FC10247-1	10/04/23	13:55 JV	10/06/23	AQ	Ground Water	AF-RHMW17-WGN01LF-2310

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** AECOM, INC.

**Job No:** FC10247

**Site:** N6274223F0104 RH Fire Suppression System

**Report Date:** 10/16/2023 11:31:13 PM

On 10/06/2023, 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 5 C. Samples were intact and chemically preserved, unless noted below. A SGS North America Inc. - Orlando Job Number of FC10247 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:** OP99445

Sample(s) FC10290-5MS, FC10290-6DUP were used as the QC samples indicated.

RPD(s) for Duplicate for 6:2 Fluorotelomer sulfonate, Perfluorohexanesulfonic acid are outside control limits for sample OP99445-DUP. Probable cause is due to sample non-homogeneity.

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:** FC10247  
**Account:** AECOM, INC.  
**Project:** N6274223F0104 RH Fire Suppression System  
**Collected:** 10/04/23



Lab Sample ID	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
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FC10247-1      AF-RHMW17-WGN01LF-2310

No hits reported in this sample.

**Sample Results**

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**Report of Analysis**

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# Report of Analysis

Client Sample ID:	AF-RHMW17-WGN01LF-2310		
Lab Sample ID:	FC10247-1	Date Sampled:	10/04/23
Matrix:	AQ - Ground Water	Date Received:	10/06/23
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	6Q26296.D	1	10/12/23 19:37	MV	10/10/23 09:30	OP99445	S6Q370
Run #2							

Run #	Initial Volume	Final Volume
Run #1	540 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	3.7 U	15	3.7	1.8	ng/l	
2706-90-3	Perfluoropentanoic acid	1.9 U	7.4	1.9	0.87	ng/l	
307-24-4	Perfluorohexanoic acid	1.9 U	3.7	1.9	0.46	ng/l	
375-85-9	Perfluoroheptanoic acid	1.9 U	3.7	1.9	0.46	ng/l	
335-67-1	Perfluorooctanoic acid	0.93 U	3.7	0.93	0.46	ng/l	
375-95-1	Perfluorononanoic acid	1.9 U	3.7	1.9	0.56	ng/l	
335-76-2	Perfluorodecanoic acid	1.9 U	3.7	1.9	0.46	ng/l	
2058-94-8	Perfluoroundecanoic acid	1.9 U	3.7	1.9	0.56	ng/l	
307-55-1	Perfluorododecanoic acid	1.9 U	3.7	1.9	0.56	ng/l	
72629-94-8	Perfluorotridecanoic acid	1.9 U	3.7	1.9	0.78	ng/l	
376-06-7	Perfluorotetradecanoic acid	1.9 U	3.7	1.9	0.46	ng/l	

**PERFLUOROALKYL SULFONIC ACIDS**

375-73-5	Perfluorobutanesulfonic acid	1.9 U	3.7	1.9	0.46	ng/l	
2706-91-4	Perfluoropentanesulfonic acid	3.7 U	4.6	3.7	1.0	ng/l	
355-46-4	Perfluorohexanesulfonic acid	1.9 U	3.7	1.9	0.65	ng/l	
375-92-8	Perfluoroheptanesulfonic acid	1.9 U	3.7	1.9	0.46	ng/l	
1763-23-1	Perfluorooctanesulfonic acid	1.9 U	3.7	1.9	0.50	ng/l	
68259-12-1	Perfluorononanesulfonic acid	1.9 U	3.7	1.9	0.53	ng/l	
335-77-3	Perfluorodecanesulfonic acid	1.9 U	3.7	1.9	0.59	ng/l	
79780-39-5	Perfluorododecanesulfonic aci	3.7 U	4.6	3.7	1.1	ng/l	

**FLUOROTELOMER SULFONIC ACIDS**

757124-72-4	4:2 Fluorotelomer sulfonate	7.4 U	19	7.4	3.0	ng/l	
27619-97-2	6:2 Fluorotelomer sulfonate	7.4 U	19	7.4	3.2	ng/l	
39108-34-4	8:2 Fluorotelomer sulfonate	7.4 U	19	7.4	3.8	ng/l	

**PERFLUOROOCCTANE SULFONAMIDES**

754-91-6	PFOSA	1.9 U	3.7	1.9	0.62	ng/l	
31506-32-8	MeFOSA	3.7 U	7.4	3.7	0.93	ng/l	
4151-50-2	EtFOSA	3.7 U	7.4	3.7	0.93	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-RHMW17-WGN01LF-2310	
Lab Sample ID:	FC10247-1	Date Sampled: 10/04/23
Matrix:	AQ - Ground Water	Date Received: 10/06/23
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	3.7 U	4.6	3.7	0.93	ng/l	
2991-50-6	EtFOSAA	3.7 U	4.6	3.7	1.2	ng/l	

**PERFLUOROOCCTANE SULFONAMIDO ETHANOLS**

24448-09-7	MeFOSE	19 U	37	19	4.1	ng/l	
1691-99-2	EtFOSE	19 U	37	19	6.9	ng/l	

**PER and POLYFLUOROETHER CARBOXYLIC ACIDS**

13252-13-6	HFPO-DA (GenX)	1.9 U	3.7	1.9	0.93	ng/l	
919005-14-4	ADONA	3.7 U	7.4	3.7	1.7	ng/l	
377-73-1	PFMPA	1.9 U	7.4	1.9	0.93	ng/l	
863090-89-5	PFMBA	3.7 U	7.4	3.7	1.1	ng/l	
151772-58-6	NFDHA	3.7 U	7.4	3.7	1.1	ng/l	

**PER and POLYFLUOROETHER SULFONIC ACIDS**

756426-58-1	9Cl-PF3ONS (F-53B Major)	3.7 U	7.4	3.7	1.3	ng/l	
763051-92-9	11Cl-PF3OUdS (F-53B Minor)	3.7 U	7.4	3.7	1.6	ng/l	
113507-82-7	PFEESA	1.9 U	7.4	1.9	0.72	ng/l	

**FLUOROTELOMER CARBOXYLIC ACIDS**

356-02-5	3:3 Fluorotelomer carboxylate	9.3 U	19	9.3	4.2	ng/l	
914637-49-3	5:3 Fluorotelomer carboxylate	19 U	93	19	8.1	ng/l	
812-70-4	7:3 Fluorotelomer carboxylate	19 U	93	19	7.3	ng/l	

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

	13C4-PFBA	100%		20-150%
	13C5-PFPeA	110%		20-150%
	13C5-PFHxA	107%		20-150%
	13C4-PFHpA	107%		20-150%
	13C8-PFOA	106%		20-150%
	13C9-PFNA	119%		20-150%
	13C6-PFDA	110%		20-150%
	13C7-PFUnDA	101%		20-150%
	13C2-PFDoDA	95%		20-150%
	13C2-PFTeDA	84%		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

<b>Client Sample ID:</b>	AF-RHMW17-WGN01LF-2310	
<b>Lab Sample ID:</b>	FC10247-1	<b>Date Sampled:</b> 10/04/23
<b>Matrix:</b>	AQ - Ground Water	<b>Date Received:</b> 10/06/23
<b>Method:</b>	EPA DRAFT 1633 EPA 1633 DRAFT	<b>Percent Solids:</b> n/a
<b>Project:</b>	N6274223F0104 RH Fire Suppression System	

CAS No.	ID Standard Recoveries	Run# 1	Run# 2	Limits
	13C8-PFOS	98%		20-150%
	13C8-FOSA	88%		20-150%
	d3-MeFOSA	83%		20-150%
	d5-EtFOSA	81%		20-150%
	d3-MeFOSAA	105%		20-150%
	d5-EtFOSAA	94%		20-150%
	d7-MeFOSE	83%		20-150%
	d9-EtFOSE	85%		20-150%
	13C2-4:2FTS	130%		20-180%
	13C2-6:2FTS	115%		20-180%
	13C2-8:2FTS	115%		20-180%
	13C3-HFPO-DA	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

**Misc. Forms**

**Custody Documents and Other Forms**

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**Includes the following where applicable:**

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



### SGS North America Inc - Orlando Chain of Custody

4405 Vinland Road, Suite C-15 Orlando, FL 32811  
TEL: 407-425-6700 FAX: 407-425-0707  
www.sgs.com

# FC10247

COC #: 2310AFSG10

SGS - ORLANDO JOB # :

PAGE 1 OF 1

Client / Reporting Information			Project Information				Analytical Information												Matrix Codes								
Company Name: AECOM			Project Name: N6274223F0104 RH Fire Suppression System				<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">           PFAS EPA Draft 1633         </div> <div style="border: 1px solid black; padding: 5px;">           INITIAL ASSESSMENT <b>SP</b>            LABEL VERIFICATION <b>SP</b> </div> </div>												DW - Drinking Water GW - Ground Water WW - Water SW - Surface Water SO - Soil SL - Sludge OL - Oil LIQ - Other Liquid AIR - Air SOL - Other Solid WP - Wipe								
Address: 1001 Bishop St. ste 1600			Street																								
City: Honolulu		State: HI		Zip: 96813		City Honolulu														State Hawaii							
Project Contact: Katie Abbott Project Manager: Watson Tanji Phone #: 303-796-4624 / 808-954-4512			Email: katie.abbott@aecom.com Email: watson.tanji@aecom.com																	Project # 23F0104 - 60897810				Fax #			
Sampler(s) Name(s) (Printed) Sampler 1: <i>Johnathan</i> Sampler 2:			Client Purchase Order # 151253																								
SGS Orlando Sample #	Field ID / Point of Collection	COLLECTION			CONTAINER INFORMATION												LAB USE ONLY										
		DATE	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONLE	HC1	NOCH	MSCH	MSCH	MSCH	MSCH	MSCH	MSCH		MSCH	MSCH	MSCH	MSCH	MSCH	MSCH	MSCH	MSCH	MSCH	MSCH
1	AF-RHMW17-WGN01LF-2310	10/4/23	1355	<i>[Signature]</i>	GW	3	X																				
Turnaround Time ( Business days)			Data Deliverable Information				Comments / Remarks																				
<input type="checkbox"/> 10 Day (Business) <input type="checkbox"/> 7 Day <input checked="" type="checkbox"/> 5 Day <input type="checkbox"/> 3 Day RUSH <input type="checkbox"/> 2 Day RUSH <input type="checkbox"/> 1 Day RUSH Other _____			Approved By: / Date: _____				<input type="checkbox"/> COMMERCIAL "A" (RESULTS ONLY) <input type="checkbox"/> COMMERCIAL "B" (RESULTS PLUS QC) <input type="checkbox"/> REDT1 (EPA LEVEL 3) <input checked="" type="checkbox"/> FULLT1 (EPA LEVEL 4) <input checked="" type="checkbox"/> EDD'S				EDMS upload database: JBPHE EDMS Coverage: AFFF Assessment Sampling GW <i>Unk'd PWB; 016-97418256</i>																
Rush T/A Data Available VIA Email or Lablink																											
Sample Custody must be documented below each time samples change possession, including courier delivery.																											
Relinquished by Sampler/Affiliation 1 <i>[Signature]</i>		Date Time: 10/4/23 15:35	Received By/Affiliation 2 <i>Christian Perez/AECOM</i> 0930				Relinquished By/Affiliation 3 <i>Christian Perez/AECOM</i>		Date Time: 10/4/23 10:20	Received By/Affiliation 4 <i>UC</i>																	
Relinquished by/Affiliation 5 <i>UC</i>		Date Time: 10/6/23	Received By/Affiliation 6 <i>[Signature]</i> 10/6/23				Relinquished By/Affiliation 7		Date Time: 10/6/23	Received By/Affiliation 8																	
Lab Use Only: Cooler Temperature (s) Celsius (corrected): <i>4.4 / #1</i>																											

PFAS\_COCs\_ALL\_10022023.xls Rev 031318



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## SGS Sample Receipt Summary

**Job Number:** fc10247

**Client:** AECOM

**Project:** N6274223F0104 RH Fire Suppression Syst

**Date / Time Received:** 10/6/2023 9:30:00 AM

**Delivery Method:** United Cargo/Airspace

**Airbill #'s:** United Cargo AWB #: 016-97418086

**Cooler Temps (Raw Measured) °C:** Cooler 1: (4.6);

**Cooler Temps (Corrected) °C:** Cooler 1: (5.0);

**Cooler Informatio**

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 presented properly
- 3. Sufficient volume/containers recv'd for analysi
- 4. Condition of sample: Intact
- 5. Sample recv'd within HT
- 6. Dates/Times/IDs on COC match sample labe
- 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 Lab Filtered Metals

Test Strip Lot #: pH 0-3: \_\_\_\_\_

pH 10-12: \_\_\_\_\_ Other: (Specify) \_\_\_\_\_

Residual Chlorine Test Strip Lot: \_\_\_\_\_

Comments

SM001

Rev. Date 05/04/17

Technician: SHAYLAP

Date: 10/6/2023 9:30:00 AM

Reviewer: ZB

Date: 10/06/2023

**FC10247: Chain of Custody**

**Page 2 of 2**

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# QC Evaluation: DOD QSM5.x Limits

**Job Number:** FC10247  
**Account:** AECOM, INC.  
**Project:** N6274223F0104 RH Fire Suppression System  
**Collected:** 10/04/23

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.

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\* Sample used for QC is not from job FC10247

5.2  
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## MS Semi-volatiles

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### QC Data Summaries

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#### Includes the following where applicable:

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

# Instrument Blank

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q370-IBLK	6Q26258.D	1	10/12/23	MV	n/a	n/a	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

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	

# Instrument Blank

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q370-IBLK	6Q26258.D	1	10/12/23	MV	n/a	n/a	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

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	99% 20-150%
	13C5-PFPeA	99% 20-150%
	13C5-PFHxA	100% 20-150%
	13C4-PFHpA	98% 20-150%
	13C8-PFOA	100% 20-150%
	13C9-PFNA	98% 20-150%
	13C6-PFDA	107% 20-150%
	13C7-PFUnDA	101% 20-150%
	13C2-PFDoDA	97% 20-150%
	13C2-PFTeDA	107% 20-150%
	13C3-PFBS	100% 20-150%
	13C3-PFHxS	99% 20-150%
	13C8-PFOS	100% 20-150%
	13C8-FOSA	100% 20-150%
	d3-MeFOSAA	95% 20-150%
	d5-EtFOSAA	97% 20-150%
	13C2-4:2FTS	125% 20-180%
	13C2-6:2FTS	110% 20-180%
	13C2-8:2FTS	116% 20-180%

6.1.1

6



# Instrument Blank

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q370-IBLK	6Q26350.D	1	10/13/23	MV	n/a	n/a	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

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	

# Instrument Blank

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q370-IBLK	6Q26350.D	1	10/13/23	MV	n/a	n/a	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

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	98% 20-150%
	13C5-PFPeA	103% 20-150%
	13C5-PFHxA	107% 20-150%
	13C4-PFHpA	98% 20-150%
	13C8-PFOA	98% 20-150%
	13C9-PFNA	103% 20-150%
	13C6-PFDA	100% 20-150%
	13C7-PFUnDA	100% 20-150%
	13C2-PFDoDA	97% 20-150%
	13C2-PFTeDA	99% 20-150%
	13C3-PFBS	99% 20-150%
	13C3-PFHxS	101% 20-150%
	13C8-PFOS	99% 20-150%
	13C8-FOSA	105% 20-150%
	d3-MeFOSAA	104% 20-150%
	d5-EtFOSAA	100% 20-150%
	13C2-4:2FTS	120% 20-180%
	13C2-6:2FTS	114% 20-180%
	13C2-8:2FTS	105% 20-180%

# Continuing Calibration Blank

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q370-ICCB	6Q26290.D	1	10/12/23	MV	n/a	n/a	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

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: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q370-ICCB	6Q26290.D	1	10/12/23	MV	n/a	n/a	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

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	98% 20-150%
	13C5-PFPeA	97% 20-150%
	13C5-PFHxA	94% 20-150%
	13C4-PFHpA	95% 20-150%
	13C8-PFOA	100% 20-150%
	13C9-PFNA	96% 20-150%
	13C6-PFDA	105% 20-150%
	13C7-PFUnDA	96% 20-150%
	13C2-PFDoDA	101% 20-150%
	13C2-PFTeDA	105% 20-150%
	13C3-PFBS	102% 20-150%
	13C3-PFHxS	98% 20-150%
	13C8-PFOS	99% 20-150%
	13C8-FOSA	96% 20-150%
	d3-MeFOSAA	102% 20-150%
	d5-EtFOSAA	101% 20-150%
	13C2-4:2FTS	119% 20-180%
	13C2-6:2FTS	116% 20-180%
	13C2-8:2FTS	111% 20-180%

# Method Blank Summary

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP99445-MB	6Q26282.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

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	0.0059	0.020	0.0035	ug/l	J
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: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP99445-MB	6Q26282.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

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	108% 20-150%
	13C5-PFPeA	107% 20-150%
	13C5-PFHxA	107% 20-150%
	13C4-PFHpA	104% 20-150%
	13C8-PFOA	107% 20-150%
	13C9-PFNA	114% 20-150%
	13C6-PFDA	105% 20-150%
	13C7-PFUnDA	100% 20-150%
	13C2-PFDoDA	87% 20-150%
	13C2-PFTeDA	84% 20-150%
	13C3-PFBS	101% 20-150%
	13C3-PFHxS	102% 20-150%
	13C8-PFOS	107% 20-150%
	13C8-FOSA	76% 20-150%
	d3-MeFOSA	74% 20-150%
	d5-EtFOSA	83% 20-150%
	d3-MeFOSAA	102% 20-150%
	d5-EtFOSAA	95% 20-150%
	d7-MeFOSE	72% 20-150%
	d9-EtFOSE	79% 20-150%
	13C2-4:2FTS	129% 20-180%
	13C2-6:2FTS	111% 20-180%
	13C2-8:2FTS	117% 20-180%
	13C3-HFPO-DA	105% 20-150%

# Continuing Calibration Blank

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q370-ICCB	6Q26279.D	1	10/12/23	MV	n/a	n/a	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

OP99445-BS, OP99445-LLBS, OP99445-MB

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: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q370-ICCB	6Q26279.D	1	10/12/23	MV	n/a	n/a	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

OP99445-BS, OP99445-LLBS, OP99445-MB

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	99% 20-150%
	13C5-PFPeA	97% 20-150%
	13C5-PFHxA	97% 20-150%
	13C4-PFHpA	101% 20-150%
	13C8-PFOA	99% 20-150%
	13C9-PFNA	103% 20-150%
	13C6-PFDA	105% 20-150%
	13C7-PFUnDA	94% 20-150%
	13C2-PFDoDA	97% 20-150%
	13C2-PFTeDA	95% 20-150%
	13C3-PFBS	106% 20-150%
	13C3-PFHxS	103% 20-150%
	13C8-PFOS	97% 20-150%
	13C8-FOSA	99% 20-150%
	d3-MeFOSAA	106% 20-150%
	d5-EtFOSAA	104% 20-150%
	13C2-4:2FTS	130% 20-180%
	13C2-6:2FTS	116% 20-180%
	13C2-8:2FTS	113% 20-180%

6.1.5

6



# Continuing Calibration Blank

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q370-ICCB	6Q26346.D	1	10/13/23	MV	n/a	n/a	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

S6Q370-IBLK

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: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
S6Q370-ICCB	6Q26346.D	1	10/13/23	MV	n/a	n/a	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

S6Q370-IBLK

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	98% 20-150%
	13C5-PFPeA	97% 20-150%
	13C5-PFHxA	94% 20-150%
	13C4-PFHpA	96% 20-150%
	13C8-PFOA	106% 20-150%
	13C9-PFNA	102% 20-150%
	13C6-PFDA	107% 20-150%
	13C7-PFUnDA	102% 20-150%
	13C2-PFDoDA	104% 20-150%
	13C2-PFTeDA	105% 20-150%
	13C3-PFBS	102% 20-150%
	13C3-PFHxS	102% 20-150%
	13C8-PFOS	100% 20-150%
	13C8-FOSA	100% 20-150%
	d3-MeFOSAA	106% 20-150%
	d5-EtFOSAA	96% 20-150%
	13C2-4:2FTS	113% 20-180%
	13C2-6:2FTS	112% 20-180%
	13C2-8:2FTS	109% 20-180%

# Blank Spike Summary

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP99445-LLBS	6Q26281.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
375-22-4	Perfluorobutanoic acid	0.03	0.0316	105	40-150
2706-90-3	Perfluoropentanoic acid	0.015	0.0151	101	40-150
307-24-4	Perfluorohexanoic acid	0.0075	0.0074	99	40-150
375-85-9	Perfluoroheptanoic acid	0.0075	0.0074	99	40-150
335-67-1	Perfluorooctanoic acid	0.0075	0.0082	109	40-150
375-95-1	Perfluorononanoic acid	0.0075	0.0073	97	40-150
335-76-2	Perfluorodecanoic acid	0.0075	0.0074	99	40-150
2058-94-8	Perfluoroundecanoic acid	0.0075	0.0081	108	40-150
307-55-1	Perfluorododecanoic acid	0.0075	0.0085	113	40-150
72629-94-8	Perfluorotridecanoic acid	0.0075	0.0079	105	40-150
376-06-7	Perfluorotetradecanoic acid	0.0075	0.0087	116	40-150
375-73-5	Perfluorobutanesulfonic acid	0.00665	0.0068	102	40-150
2706-91-4	Perfluoropentanesulfonic acid	0.00706	0.0078	111	40-150
355-46-4	Perfluorohexanesulfonic acid	0.00686	0.0078	114	40-150
375-92-8	Perfluoroheptanesulfonic acid	0.00715	0.0078	109	40-150
1763-23-1	Perfluorooctanesulfonic acid	0.00696	0.0072	103	40-150
68259-12-1	Perfluorononanesulfonic acid	0.00722	0.0074	103	40-150
335-77-3	Perfluorodecanesulfonic acid	0.00724	0.0075	104	40-150
79780-39-5	Perfluorododecanesulfonic aci	0.00728	0.0063	87	40-150
757124-72-44:2	Fluorotelomer sulfonate	0.0281	0.0307	109	40-150
27619-97-2	6:2 Fluorotelomer sulfonate	0.0285	0.0311	109	40-150
39108-34-4	8:2 Fluorotelomer sulfonate	0.0288	0.0309	107	40-150
754-91-6	PFOSA	0.0075	0.0082	109	40-150
31506-32-8	MeFOSA	0.015	0.0171	114	40-150
4151-50-2	EtFOSA	0.015	0.0151	101	40-150
2355-31-9	MeFOSAA	0.0075	0.0079	105	40-150
2991-50-6	EtFOSAA	0.0075	0.0073	97	40-150
24448-09-7	MeFOSE	0.0375	0.0367	98	40-150
1691-99-2	EtFOSE	0.0375	0.0405	108	40-150
13252-13-6	HFPO-DA (GenX)	0.015	0.0162	108	40-150
919005-14-4	ADONA	0.0142	0.0148	104	40-150
377-73-1	PFMPA	0.015	0.0150	100	40-150
863090-89-5	PFMBA	0.015	0.0146	97	40-150
151772-58-6	NFDHA	0.015	0.0148	99	40-150
756426-58-19	Cl-PF3ONS (F-53B Major)	0.014	0.0140	100	40-150
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.0142	0.0135	95	40-150

\* = Outside of Control Limits.

# Blank Spike Summary

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP99445-LLBS	6Q26281.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
113507-82-7	PFEESA	0.0134	0.0129	97	40-150
356-02-5	3:3 Fluorotelomer carboxylate	0.0375	0.0289	77	40-150
914637-49-35:3	Fluorotelomer carboxylate	0.188	0.170	91	40-150
812-70-4	7:3 Fluorotelomer carboxylate	0.188	0.181	97	40-150

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	112%	20-150%
	13C5-PFPeA	112%	20-150%
	13C5-PFHxA	112%	20-150%
	13C4-PFHpA	111%	20-150%
	13C8-PFOA	113%	20-150%
	13C9-PFNA	115%	20-150%
	13C6-PFDA	123%	20-150%
	13C7-PFUnDA	106%	20-150%
	13C2-PFDoDA	100%	20-150%
	13C2-PFTeDA	88%	20-150%
	13C3-PFBS	119%	20-150%
	13C3-PFHxS	113%	20-150%
	13C8-PFOS	111%	20-150%
	13C8-FOSA	76%	20-150%
	d3-MeFOSA	67%	20-150%
	d5-EtFOSA	72%	20-150%
	d3-MeFOSAA	109%	20-150%
	d5-EtFOSAA	106%	20-150%
	d7-MeFOSE	69%	20-150%
	d9-EtFOSE	71%	20-150%
	13C2-4:2FTS	141%	20-180%
	13C2-6:2FTS	126%	20-180%
	13C2-8:2FTS	122%	20-180%
	13C3-HFPO-DA	107%	20-150%

\* = Outside of Control Limits.

# Blank Spike Summary

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP99445-BS	6Q26280.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
375-22-4	Perfluorobutanoic acid	0.1	0.0983	98	40-150
2706-90-3	Perfluoropentanoic acid	0.05	0.0471	94	40-150
307-24-4	Perfluorohexanoic acid	0.025	0.0236	94	40-150
375-85-9	Perfluoroheptanoic acid	0.025	0.0252	101	40-150
335-67-1	Perfluorooctanoic acid	0.025	0.0248	99	40-150
375-95-1	Perfluorononanoic acid	0.025	0.0218	87	40-150
335-76-2	Perfluorodecanoic acid	0.025	0.0246	98	40-150
2058-94-8	Perfluoroundecanoic acid	0.025	0.0252	101	40-150
307-55-1	Perfluorododecanoic acid	0.025	0.0241	96	40-150
72629-94-8	Perfluorotridecanoic acid	0.025	0.0241	96	40-150
376-06-7	Perfluorotetradecanoic acid	0.025	0.0224	90	40-150
375-73-5	Perfluorobutanesulfonic acid	0.0222	0.0229	103	40-150
2706-91-4	Perfluoropentanesulfonic acid	0.0235	0.0237	101	40-150
355-46-4	Perfluorohexanesulfonic acid	0.0229	0.0215	94	40-150
375-92-8	Perfluoroheptanesulfonic acid	0.0238	0.0237	99	40-150
1763-23-1	Perfluorooctanesulfonic acid	0.0232	0.0225	97	40-150
68259-12-1	Perfluorononanesulfonic acid	0.0241	0.0224	93	40-150
335-77-3	Perfluorodecanesulfonic acid	0.0241	0.0211	87	40-150
79780-39-5	Perfluorododecanesulfonic aci	0.0243	0.0216	89	40-150
757124-72-44:2	Fluorotelomer sulfonate	0.0938	0.0964	103	40-150
27619-97-2	6:2 Fluorotelomer sulfonate	0.095	0.103	108	40-150
39108-34-4	8:2 Fluorotelomer sulfonate	0.096	0.0919	96	40-150
754-91-6	PFOSA	0.025	0.0247	99	40-150
31506-32-8	MeFOSA	0.05	0.0505	101	40-150
4151-50-2	EtFOSA	0.05	0.0464	93	40-150
2355-31-9	MeFOSAA	0.025	0.0250	100	40-150
2991-50-6	EtFOSAA	0.025	0.0245	98	40-150
24448-09-7	MeFOSE	0.125	0.108	86	40-150
1691-99-2	EtFOSE	0.125	0.120	96	40-150
13252-13-6	HFPO-DA (GenX)	0.05	0.0473	95	40-150
919005-14-4	ADONA	0.0473	0.0451	95	40-150
377-73-1	PFMPA	0.05	0.0365	73	40-150
863090-89-5	PFMBA	0.05	0.0451	90	40-150
151772-58-6	NFDHA	0.05	0.0451	90	40-150
756426-58-19	Cl-PF3ONS (F-53B Major)	0.0468	0.0410	88	40-150
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.0473	0.0357	76	40-150

\* = Outside of Control Limits.

# Blank Spike Summary

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP99445-BS	6Q26280.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
113507-82-7	PFEESA	0.0445	0.0409	92	40-150
356-02-5	3:3 Fluorotelomer carboxylate	0.125	0.145	116	40-150
914637-49-35:3	Fluorotelomer carboxylate	0.625	0.567	91	40-150
812-70-4	7:3 Fluorotelomer carboxylate	0.625	0.585	94	40-150

CAS No.	ID Standard Recoveries	BSP	Limits
	13C4-PFBA	53%	20-150%
	13C5-PFPeA	112%	20-150%
	13C5-PFHxA	112%	20-150%
	13C4-PFHpA	106%	20-150%
	13C8-PFOA	108%	20-150%
	13C9-PFNA	122%	20-150%
	13C6-PFDA	115%	20-150%
	13C7-PFUnDA	106%	20-150%
	13C2-PFDoDA	102%	20-150%
	13C2-PFTeDA	101%	20-150%
	13C3-PFBS	107%	20-150%
	13C3-PFHxS	106%	20-150%
	13C8-PFOS	111%	20-150%
	13C8-FOSA	86%	20-150%
	d3-MeFOSA	84%	20-150%
	d5-EtFOSA	86%	20-150%
	d3-MeFOSAA	112%	20-150%
	d5-EtFOSAA	112%	20-150%
	d7-MeFOSE	81%	20-150%
	d9-EtFOSE	82%	20-150%
	13C2-4:2FTS	130%	20-180%
	13C2-6:2FTS	114%	20-180%
	13C2-8:2FTS	116%	20-180%
	13C3-HFPO-DA	113%	20-150%

\* = Outside of Control Limits.

# Matrix Spike Summary

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP99445-MS	6Q26292.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370
FC10290-5	6Q26291.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

CAS No.	Compound	FC10290-5 ug/l	Spike Q	MS ug/l	MS %	Limits
375-22-4	Perfluorobutanoic acid	0.015 U	0.0893	0.0887	99	40-150
2706-90-3	Perfluoropentanoic acid	0.0074 U	0.0446	0.0424	95	40-150
307-24-4	Perfluorohexanoic acid	0.0037 U	0.0223	0.0216	97	40-150
375-85-9	Perfluoroheptanoic acid	0.0037 U	0.0223	0.0221	99	40-150
335-67-1	Perfluorooctanoic acid	0.0037 U	0.0223	0.0225	101	40-150
375-95-1	Perfluorononanoic acid	0.0037 U	0.0223	0.0207	93	40-150
335-76-2	Perfluorodecanoic acid	0.0037 U	0.0223	0.0210	94	40-150
2058-94-8	Perfluoroundecanoic acid	0.0037 U	0.0223	0.0250	112	40-150
307-55-1	Perfluorododecanoic acid	0.0037 U	0.0223	0.0230	103	40-150
72629-94-8	Perfluorotridecanoic acid	0.0037 U	0.0223	0.0218	98	40-150
376-06-7	Perfluorotetradecanoic acid	0.0037 U	0.0223	0.0209	94	40-150
375-73-5	Perfluorobutanesulfonic acid	0.0037 U	0.0198	0.0194	98	40-150
2706-91-4	Perfluoropentanesulfonic acid	0.0046 U	0.021	0.0204	97	40-150
355-46-4	Perfluorohexanesulfonic acid	0.0037 U	0.0204	0.0193	95	40-150
375-92-8	Perfluoroheptanesulfonic acid	0.0037 U	0.0213	0.0214	101	40-150
1763-23-1	Perfluorooctanesulfonic acid	0.0037 U	0.0207	0.0221	107	40-150
68259-12-1	Perfluorononanesulfonic acid	0.0037 U	0.0215	0.0210	98	40-150
335-77-3	Perfluorodecanesulfonic acid	0.0037 U	0.0215	0.0205	95	40-150
79780-39-5	Perfluorododecanesulfonic aci	0.0046 U	0.0217	0.0215	99	40-150
757124-72-44:2	Fluorotelomer sulfonate	0.019 U	0.0837	0.0880	105	40-150
27619-97-2	6:2 Fluorotelomer sulfonate	0.019 U	0.0848	0.0918	108	40-150
39108-34-4	8:2 Fluorotelomer sulfonate	0.019 U	0.0857	0.0851	99	40-150
754-91-6	PFOSA	0.0037 U	0.0223	0.0217	97	40-150
31506-32-8	MeFOSA	0.0074 U	0.0446	0.0477	107	40-150
4151-50-2	EtFOSA	0.0074 U	0.0446	0.0449	101	40-150
2355-31-9	MeFOSAA	0.0046 U	0.0223	0.0240	108	40-150
2991-50-6	EtFOSAA	0.0046 U	0.0223	0.0233	104	40-150
24448-09-7	MeFOSE	0.037 U	0.112	0.101	90	40-150
1691-99-2	EtFOSE	0.037 U	0.112	0.112	100	40-150
13252-13-6	HFPO-DA (GenX)	0.0037 U	0.0446	0.0441	99	40-150
919005-14-4	ADONA	0.0074 U	0.0422	0.0399	95	40-150
377-73-1	PFMPA	0.0074 U	0.0446	0.0402	90	40-150
863090-89-5	PFMBA	0.0074 U	0.0446	0.0403	90	40-150
151772-58-6	NFDHA	0.0074 U	0.0446	0.0425	95	40-150
756426-58-19	Cl-PF3ONS (F-53B Major)	0.0074 U	0.0417	0.0398	95	40-150
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.0074 U	0.0422	0.0358	85	40-150

\* = Outside of Control Limits.

# Matrix Spike Summary

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP99445-MS	6Q26292.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370
FC10290-5	6Q26291.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

CAS No.	Compound	FC10290-5 ug/l	Spike Q	MS ug/l	MS %	Limits
113507-82-7	PFEESA	0.0074 U	0.0397	0.0358	90	40-150
356-02-5	3:3 Fluorotelomer carboxylate	0.019 U	0.112	0.0941	84	40-150
914637-49-35:3	Fluorotelomer carboxylate	0.093 U	0.558	0.483	87	40-150
812-70-4	7:3 Fluorotelomer carboxylate	0.093 U	0.558	0.526	94	40-150

CAS No.	ID Standard Recoveries	MS	FC10290-5	Limits
	13C4-PFBA	95%	106%	20-150%
	13C5-PFPeA	114%	111%	20-150%
	13C5-PFHxA	111%	106%	20-150%
	13C4-PFHpA	112%	108%	20-150%
	13C8-PFOA	114%	112%	20-150%
	13C9-PFNA	117%	110%	20-150%
	13C6-PFDA	122%	116%	20-150%
	13C7-PFUnDA	109%	108%	20-150%
	13C2-PFDoDA	107%	108%	20-150%
	13C2-PFTeDA	109%	102%	20-150%
	13C3-PFBS	119%	115%	20-150%
	13C3-PFHxS	116%	113%	20-150%
	13C8-PFOS	95%	115%	20-150%
	13C8-FOSA	88%	84%	20-150%
	d3-MeFOSA	78%	86%	20-150%
	d5-EtFOSA	79%	87%	20-150%
	d3-MeFOSAA	105%	126%	20-150%
	d5-EtFOSAA	100%	104%	20-150%
	d7-MeFOSE	82%	88%	20-150%
	d9-EtFOSE	84%	95%	20-150%
	13C2-4:2FTS	143%	138%	20-180%
	13C2-6:2FTS	130%	132%	20-180%
	13C2-8:2FTS	130%	129%	20-180%
	13C3-HFPO-DA	109%	109%	20-150%

\* = Outside of Control Limits.



# Duplicate Summary

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP99445-DUP	6Q26294.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370
FC10290-6	6Q26293.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

CAS No.	Compound	FC10290-6 ug/l	DUP Q	ug/l	Q	RPD	Limits
375-22-4	Perfluorobutanoic acid	0.015 U		ND		nc	30
2706-90-3	Perfluoropentanoic acid	0.0075 U		ND		nc	30
307-24-4	Perfluorohexanoic acid	0.00074 J		0.00087 J		16	30
375-85-9	Perfluoroheptanoic acid	0.0038 U		ND		nc	30
335-67-1	Perfluorooctanoic acid	0.00074 J		0.00084 J		13	30
375-95-1	Perfluorononanoic acid	0.0038 U		ND		nc	30
335-76-2	Perfluorodecanoic acid	0.0038 U		ND		nc	30
2058-94-8	Perfluoroundecanoic acid	0.0038 U		ND		nc	30
307-55-1	Perfluorododecanoic acid	0.0038 U		ND		nc	30
72629-94-8	Perfluorotridecanoic acid	0.0038 U		ND		nc	30
376-06-7	Perfluorotetradecanoic acid	0.0038 U		ND		nc	30
375-73-5	Perfluorobutanesulfonic acid	0.00061 J		0.00057 J		7	30
2706-91-4	Perfluoropentanesulfonic acid	0.0047 U		ND		nc	30
355-46-4	Perfluorohexanesulfonic acid	0.0038 U		0.00079 J		200*	30
375-92-8	Perfluoroheptanesulfonic acid	0.0038 U		ND		nc	30
1763-23-1	Perfluorooctanesulfonic acid	0.0038 U		ND		nc	30
68259-12-1	Perfluorononanesulfonic acid	0.0038 U		ND		nc	30
335-77-3	Perfluorodecanesulfonic acid	0.0038 U		ND		nc	30
79780-39-5	Perfluorododecanesulfonic aci	0.0047 U		ND		nc	30
757124-72-44:2	Fluorotelomer sulfonate	0.019 U		ND		nc	30
27619-97-2	6:2 Fluorotelomer sulfonate	0.019 U		0.0112 J		200*	30
39108-34-4	8:2 Fluorotelomer sulfonate	0.019 U		ND		nc	30
754-91-6	PFOSA	0.0038 U		ND		nc	30
31506-32-8	MeFOSA	0.0075 U		ND		nc	30
4151-50-2	EtFOSA	0.0075 U		ND		nc	30
2355-31-9	MeFOSAA	0.0047 U		ND		nc	30
2991-50-6	EtFOSAA	0.0047 U		ND		nc	30
24448-09-7	MeFOSE	0.038 U		ND		nc	30
1691-99-2	EtFOSE	0.038 U		ND		nc	30
13252-13-6	HFPO-DA (GenX)	0.0038 U		ND		nc	30
919005-14-4	ADONA	0.0075 U		ND		nc	30
377-73-1	PFMPA	0.0075 U		ND		nc	30
863090-89-5	PFMBA	0.0075 U		ND		nc	30
151772-58-6	NFDHA	0.0075 U		ND		nc	30
756426-58-19	Cl-PF3ONS (F-53B Major)	0.0075 U		ND		nc	30
763051-92-91	Cl-PF3OUdS (F-53B Minor)	0.0075 U		ND		nc	30

\* = Outside of Control Limits.

# Duplicate Summary

Job Number: FC10247  
 Account: AECOMCOD AECOM, INC.  
 Project: N6274223F0104 RH Fire Suppression System

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP99445-DUP	6Q26294.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370
FC10290-6	6Q26293.D	1	10/12/23	MV	10/10/23	OP99445	S6Q370

The QC reported here applies to the following samples:

Method: EPA DRAFT 1633

FC10247-1

CAS No.	Compound	FC10290-6 ug/l	DUP Q	ug/l	Q	RPD	Limits
113507-82-7PFEESA		0.0075 U	ND			nc	30
356-02-5	3:3 Fluorotelomer carboxylate	0.019 U	ND			nc	30
914637-49-35:3	Fluorotelomer carboxylate	0.094 U	ND			nc	30
812-70-4	7:3 Fluorotelomer carboxylate	0.094 U	ND			nc	30

CAS No.	ID Standard Recoveries	DUP	FC10290-6	Limits
	13C4-PFBA	100%	99%	20-150%
	13C5-PFPeA	117%	108%	20-150%
	13C5-PFHxA	113%	107%	20-150%
	13C4-PFHpA	116%	105%	20-150%
	13C8-PFOA	113%	112%	20-150%
	13C9-PFNA	120%	105%	20-150%
	13C6-PFDA	110%	109%	20-150%
	13C7-PFUnDA	100%	103%	20-150%
	13C2-PFDoDA	93%	95%	20-150%
	13C2-PFTeDA	77%	95%	20-150%
	13C3-PFBS	108%	118%	20-150%
	13C3-PFHxS	105%	109%	20-150%
	13C8-PFOS	112%	100%	20-150%
	13C8-FOSA	87%	85%	20-150%
	d3-MeFOSA	79%	81%	20-150%
	d5-EtFOSA	83%	83%	20-150%
	d3-MeFOSAA	110%	105%	20-150%
	d5-EtFOSAA	101%	109%	20-150%
	d7-MeFOSE	82%	83%	20-150%
	d9-EtFOSE	83%	82%	20-150%
	13C2-4:2FTS	130%	156%	20-180%
	13C2-6:2FTS	110%	124%	20-180%
	13C2-8:2FTS	110%	117%	20-180%
	13C3-HFPO-DA	117%	106%	20-150%

\* = Outside of Control Limits.