Southeast
ACCUTEST LABORATORIES

Reissue #1
02/18/15

Technical Report for

AMEC Environment & Infrastructure, Inc.

Griffis AFB; Rome, NY

775290177

Accutest Job Number: FA20060

Sampling Dates: 11/17/14 - 11/18/14

Report to:

AMEC Environment & Infrastructure, Inc.

marie.bevier@amec.com

ATTN: Marie Bevier

Total number of pages in report: **91**

NELAP ACCREDITED TNI LABORATORY

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

Norm Farmer
Technical Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (2937), TX (T104704404), PA (68-03573), VA (460177), AK, AR, GA, KY, MA, NV, OK, UT, WA

December 8, 2014

Ms. Marie Bevier
AMEC Environment & Infrastructure
7376 SW Durham Rd.
Portland, OR 97224

RE: Accutest job FA20060 Reissue

Dear Ms. Bevier,

The final report for job number FA20060 has been edited to reflect the following corrections. These edits have been incorporated into the revised report.

The solid samples have been reported in mg/kg.

Please feel free to contact us if we can be of further assistance.

Sincerely,

Accutest Laboratories, SE

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Sample Summary

AMEC Environment & Infrastructure, Inc.

Job No: FA20060

Griffis AFB; Rome, NY
Project No: 775290177

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA20060-1	11/18/14	07:55	MF	11/19/14	AQ	Equipment Blank	GRIFS-FT030P-BLK01
FA20060-2	11/17/14	11:45	MF	11/19/14	SO	Soil	GRIFS-SO-001
FA20060-3	11/17/14	12:30	MF	11/19/14	SO	Soil	GRIFS-SO-002
FA20060-4	11/17/14	12:45	MF	11/19/14	SO	Soil	GRIFS-SO-003
FA20060-5	11/17/14	13:05	MF	11/19/14	SO	Soil	GRIFS-SO-004
FA20060-6	11/17/14	13:22	MF	11/19/14	SO	Soil	GRIFS-SO-005
FA20060-7	11/17/14	13:40	MF	11/19/14	SO	Soil	GRIFS-SO-006
FA20060-8	11/17/14	14:40	MF	11/19/14	SO	Soil	GRIFS-SO-007
FA20060-9	11/17/14	14:50	MF	11/19/14	SO	Soil	GRIFS-SO-008
FA20060-10	11/17/14	15:10	MF	11/19/14	SO	Soil	GRIFS-SO-009
FA20060-11	11/18/14	07:40	MF	11/19/14	SO	Soil	GRIFS-SO-010
FA20060-12	11/18/14	07:40	MF	11/19/14	SO	Soil	GRIFS-SO-011
FA20060-13	11/18/14	10:30	MF	11/19/14	AQ	Equipment Blank	GRIFS-FT030P-BLK02

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

Sample Summary
(continued)

AMEC Environment & Infrastructure, Inc.

Job No: FA20060

Griffis AFB; Rome, NY
Project No: 775290177

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA20060-14	11/18/14	14:45	MF	11/19/14	AQ	Ground Water	GRIFS-GW-001
FA20060-15	11/18/14	14:45	MF	11/19/14	AQ	Ground Water	GRIFS-GW-002
FA20060-16	11/18/14	08:10	MF	11/19/14	SO	Soil	GRIFS-SO-012
FA20060-17	11/18/14	08:20	MF	11/19/14	SO	Soil	GRIFS-SO-013
FA20060-18	11/18/14	09:00	MF	11/19/14	SO	Soil	GRIFS-SO-014
FA20060-19	11/18/14	09:14	MF	11/19/14	SO	Soil	GRIFS-SO-015
FA20060-20	11/18/14	09:20	MF	11/19/14	SO	Soil	GRIFS-SO-016
FA20060-21	11/18/14	10:03	MF	11/19/14	SO	Soil	GRIFS-SO-017
FA20060-22	11/18/14	10:10	MF	11/19/14	SO	Soil	GRIFS-SO-018
FA20060-23	11/18/14	10:20	MF	11/19/14	SO	Soil	GRIFS-SO-019
FA20060-24	11/18/14	10:20	MF	11/19/14	SO	Soil	GRIFS-SO-020

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: AMEC Environment & Infrastructure, Inc. **Job No:** FA20060

Site: Griffis AFB; Rome, NY **Report Date:** 12/4/2014 1:29:33 PM

24 Sample(s) were collected on/between 11/17/2014 and 11/18/2014 and were received at Accutest SE on 11/19/2014 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of FA20060. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Extractables by GCMS By Method EPA 537 MOD

Matrix: AQ **Batch ID:** OP53986

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA20066-1MS, FA20066-1MSD were used as the QC samples indicated.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Perfluoroheptanoic acid are outside control limits. Probable cause is due to matrix interference. % RPD was within control limits in MS/MSD. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid, Perfluorooctanoic acid are outside control limits. Outside control limits due to high level in sample relative to spike amount. % RPD was within control limits in MS/MSD. For method performance in a clean matrix, refer to Blank Spike.

Sample(s) OP53986-MS, OP53986-MSD have surrogates outside control limits.

OP53986-MS/MSD for 13C2-PFHxA: Outside control limits due to dilution.

OP53986-MS/MSD for 13C2-PFDA: Outside control limits due to dilution.

Matrix: SO **Batch ID:** OP53982

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA20060-7MS, FA20060-7MSD were used as the QC samples indicated.

Matrix: SO **Batch ID:** OP53998

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA20060-24MS, FA20060-24MSD were used as the QC samples indicated.

Matrix Spike/Matrix Spike Duplicate Recovery(s) for Perfluorooctanesulfonic acid are outside control limits. Outside control limits due to high level in sample relative to spike amount. % RPD was within control limits in MS/MSD. For method performance in a clean matrix, refer to Blank Spike.

RPD(s) for MSD for Perfluorobutanesulfonic acid, Perfluoroheptanoic acid, Perfluorononanoic acid, Perfluorooctanoic acid are outside control limits for sample OP53998-MSD. Probable cause is due to sample non-homogeneity.

Wet Chemistry By Method SM19 2540G

Matrix: SO **Batch ID:** GN64270

Sample(s) FA20053-48DUP was used as the QC samples for Solids, Percent.

Matrix: SO **Batch ID:** GN64274

Sample(s) FA20060-23DUP, FA20060-24DUP were used as the QC samples for Solids, Percent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: December 4, 2014

Kim Benham, Client Services (signature on file)

Manual Integration Summary

Lab Sample ID	Analysis Type	File ID	Manual Integrations
FA20060-10	MSSEMI	Q8143.D	Perfluorooctanesulfonic acid
FA20060-11	MSSEMI	Q8144.D	Perfluorooctanesulfonic acid
FA20060-12	MSSEMI	Q8146.D	Perfluorooctanesulfonic acid, Perfluorooctanoic acid
FA20060-14	MSSEMI	Q8256.D	Perfluorooctanesulfonic acid
FA20060-16	MSSEMI	Q8324.D	Perfluorohexanesulfonic acid
FA20060-16	MSSEMI	Q8325.D	Perfluorooctanesulfonic acid
FA20060-17	MSSEMI	Q8150.D	Perfluorooctanesulfonic acid
FA20060-18	MSSEMI	Q8151.D	Perfluorooctanesulfonic acid
FA20060-19	MSSEMI	Q8326.D	Perfluorooctanesulfonic acid
FA20060-2	MSSEMI	Q8477.D	Perfluorooctanesulfonic acid
FA20060-20	MSSEMI	Q8327.D	Perfluorooctanesulfonic acid, Perfluorooctanoic acid
FA20060-23	MSSEMI	Q8329.D	Perfluorooctanesulfonic acid
FA20060-24	MSSEMI	Q8330.D	Perfluorooctanesulfonic acid
FA20060-3	MSSEMI	Q8478.D	Perfluorooctanesulfonic acid
FA20060-4	MSSEMI	Q8479.D	Perfluorooctanesulfonic acid
FA20060-6	MSSEMI	Q8483.D	Perfluorooctanesulfonic acid
FA20060-7	MSSEMI	Q8484.D	Perfluorooctanesulfonic acid
OP53982-BS	MSSEMI	Q8459.D	Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid
OP53982-MS	MSSEMI	Q8485.D	Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid
OP53982-MSD	MSSEMI	Q8486.D	Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid
OP53986-BS	MSSEMI	Q8212.D	Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid
OP53986-MS	MSSEMI	Q8252.D	Perfluorohexanesulfonic acid, Perfluorohexanoic acid, Perfluorooctanesulfonic acid, Perfluorooctanoic acid
OP53986-MSD	MSSEMI	Q8253.D	Perfluorohexanesulfonic acid, Perfluorohexanoic acid, Perfluorooctanesulfonic acid, Perfluorooctanoic acid
OP53998-BS	MSSEMI	Q8145.D	Perfluoroheptanoic acid, Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid
OP53998-MS	MSSEMI	Q8331.D	Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid
OP53998-MSD	MSSEMI	Q8332.D	Perfluorooctanesulfonic acid
SQ269-ICV269	MSSEMI	Q7979.D	Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid
SQ271-IC271	MSSEMI	Q8197.D	Perfluorooctanoic acid
SQ271-ICV271	MSSEMI	Q8205.D	Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid, Perfluorotetradecanoic acid, Perfluorotridecanoic acid
SQ276-IC276	MSSEMI	Q8403.D	Perfluorooctanesulfonic acid
SQ276-ICV276	MSSEMI	Q8407.D	Perfluorododecanoic acid, Perfluorohexanesulfonic acid, Perfluorooctanesulfonic acid, Perfluorotetradecanoic acid, Perfluorotridecanoic acid

31 Manual Integrations were found for FA20060

Summary of Hits

Job Number: FA20060
Account: AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY
Collected: 11/17/14 thru 11/18/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA20060-1	**GRIFS-FT030P-BLK01**					
No hits reported in this sample.						
FA20060-2	**GRIFS-SO-001**					
Perfluorooctanesulfonic acid		0.0239	0.014	0.011	mg/kg	EPA 537 MOD
FA20060-3	**GRIFS-SO-002**					
Perfluorooctanesulfonic acid		0.0523	0.012	0.010	mg/kg	EPA 537 MOD
FA20060-4	**GRIFS-SO-003**					
Perfluorooctanesulfonic acid		0.0256	0.013	0.010	mg/kg	EPA 537 MOD
FA20060-5	**GRIFS-SO-004**					
No hits reported in this sample.						
FA20060-6	**GRIFS-SO-005**					
Perfluorooctanesulfonic acid		0.137	0.014	0.012	mg/kg	EPA 537 MOD
FA20060-7	**GRIFS-SO-006**					
Perfluorooctanesulfonic acid		0.0177	0.013	0.011	mg/kg	EPA 537 MOD
FA20060-8	**GRIFS-SO-007**					
Perfluorooctanesulfonic acid		0.0133 J	0.014	0.011	mg/kg	EPA 537 MOD
FA20060-9	**GRIFS-SO-008**					
Perfluorooctanesulfonic acid		0.114	0.011	0.0089	mg/kg	EPA 537 MOD
FA20060-10	**GRIFS-SO-009**					
Perfluorooctanesulfonic acid		0.122	0.011	0.0090	mg/kg	EPA 537 MOD
FA20060-11	**GRIFS-SO-010**					
Perfluorooctanesulfonic acid		0.0565	0.014	0.011	mg/kg	EPA 537 MOD

Summary of Hits

Job Number: FA20060
Account: AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY
Collected: 11/17/14 thru 11/18/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA20060-12	**GRIFS-SO-011**					
Perfluorooctanesulfonic acid		0.0758	0.014	0.011	mg/kg	EPA 537 MOD
FA20060-13	**GRIFS-FT030P-BLK02**					
No hits reported in this sample.						
FA20060-14	**GRIFS-GW-001**					
Perfluoroheptanoic acid		0.0102 J	0.021	0.017	ug/l	EPA 537 MOD
Perfluorooctanoic acid		0.0236 J	0.042	0.033	ug/l	EPA 537 MOD
Perfluorohexanesulfonic acid		0.0683	0.021	0.017	ug/l	EPA 537 MOD
Perfluorooctanesulfonic acid		0.617	0.10	0.083	ug/l	EPA 537 MOD
FA20060-15	**GRIFS-GW-002**					
No hits reported in this sample.						
FA20060-16	**GRIFS-SO-012**					
Perfluorohexanesulfonic acid		0.0162	0.014	0.011	mg/kg	EPA 537 MOD
Perfluorooctanesulfonic acid		0.935	0.14	0.11	mg/kg	EPA 537 MOD
FA20060-17	**GRIFS-SO-013**					
Perfluorooctanesulfonic acid		0.0779	0.012	0.0096	mg/kg	EPA 537 MOD
FA20060-18	**GRIFS-SO-014**					
No hits reported in this sample.						
FA20060-19	**GRIFS-SO-015**					
Perfluorooctanesulfonic acid		0.488	0.064	0.052	mg/kg	EPA 537 MOD
FA20060-20	**GRIFS-SO-016**					
Perfluorooctanoic acid		0.0568	0.024	0.019	mg/kg	EPA 537 MOD
Perfluorohexanesulfonic acid		0.153	0.012	0.0097	mg/kg	EPA 537 MOD
Perfluorooctanesulfonic acid		0.0157	0.012	0.0097	mg/kg	EPA 537 MOD
FA20060-21	**GRIFS-SO-017**					
Perfluorooctanesulfonic acid		0.106	0.013	0.010	mg/kg	EPA 537 MOD

Summary of Hits

Job Number: FA20060
Account: AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY
Collected: 11/17/14 thru 11/18/14

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	LOQ	LOD	Units	Method
FA20060-22	**GRIFS-SO-018**					
Perfluorooctanesulfonic acid		0.638	0.057	0.046	mg/kg	EPA 537 MOD
FA20060-23	**GRIFS-SO-019**					
Perfluorohexanesulfonic acid		0.00748 J	0.012	0.0093	mg/kg	EPA 537 MOD
Perfluorooctanesulfonic acid		1.60	0.12	0.093	mg/kg	EPA 537 MOD
FA20060-24	**GRIFS-SO-020**					
Perfluorohexanesulfonic acid		0.00618 J	0.012	0.0094	mg/kg	EPA 537 MOD
Perfluorooctanesulfonic acid		1.39	0.12	0.094	mg/kg	EPA 537 MOD

Southeast ACCUTEST LABORATORIES

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Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	GRIFS-FT030P-BLK01		
Lab Sample ID:	FA20060-1	**Date Sampled:**	11/18/14
Matrix:	AQ - Equipment Blank	**Date Received:**	11/19/14
Method:	EPA 537 MOD EPA 537 MOD	**Percent Solids:**	n/a
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8236.D	1	11/24/14	NAF	11/21/14	OP53986	SQ271
Run #2							

	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.016 U	0.020	0.016	0.0080	ug/l	
335-67-1	Perfluorooctanoic acid	0.032 U	0.040	0.032	0.016	ug/l	
375-95-1	Perfluorononanoic acid	0.016 U	0.020	0.016	0.0080	ug/l	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.016 U	0.020	0.016	0.0080	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.016 U	0.020	0.016	0.0080	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.016 U	0.020	0.016	0.0080	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	92%		70-130%
	13C2-PFDA	98%		70-130%

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:	GRIFS-SO-001		
Lab Sample ID:	FA20060-2	**Date Sampled:**	11/17/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	91.3
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8477.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277
Run #2							

	Initial Weight	Final Volume
Run #1	1.00 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.011 U	0.014	0.011	0.0055	mg/kg	
335-67-1	Perfluorooctanoic acid	0.022 U	0.027	0.022	0.011	mg/kg	
375-95-1	Perfluorononanoic acid	0.011 U	0.014	0.011	0.0063	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.011 U	0.014	0.011	0.0055	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.011 U	0.014	0.011	0.0055	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0239	0.014	0.011	0.0055	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	87%		70-130%
	13C2-PFDA	88%		70-130%

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:	GRIFS-SO-002		
Lab Sample ID:	FA20060-3	**Date Sampled:**	11/17/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	84.4
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8478.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277
Run #2							

	Initial Weight	Final Volume
Run #1	1.19 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.010 U	0.012	0.010	0.0050	mg/kg	
335-67-1	Perfluorooctanoic acid	0.020 U	0.025	0.020	0.010	mg/kg	
375-95-1	Perfluorononanoic acid	0.010 U	0.012	0.010	0.0057	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.010 U	0.012	0.010	0.0050	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.010 U	0.012	0.010	0.0050	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0523	0.012	0.010	0.0050	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	83%		70-130%
	13C2-PFDA	85%		70-130%

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:	GRIFS-SO-003		
Lab Sample ID:	FA20060-4	**Date Sampled:**	11/17/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	87.5
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8479.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277
Run #2							

	Initial Weight	Final Volume
Run #1	1.12 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.010 U	0.013	0.010	0.0051	mg/kg	
335-67-1	Perfluorooctanoic acid	0.020 U	0.026	0.020	0.010	mg/kg	
375-95-1	Perfluorononanoic acid	0.010 U	0.013	0.010	0.0059	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.010 U	0.013	0.010	0.0051	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.010 U	0.013	0.010	0.0051	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0256	0.013	0.010	0.0051	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	84%		70-130%
	13C2-PFDA	84%		70-130%

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: GRIFS-SO-004
Lab Sample ID: FA20060-5
Matrix: SO - Soil
Method: EPA 537 MOD IN HOUSE
Project: Griffis AFB; Rome, NY

Date Sampled: 11/17/14
Date Received: 11/19/14
Percent Solids: 86.5

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8480.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277
Run #2							

	Initial Weight	Final Volume
Run #1	1.27 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.0091 U	0.011	0.0091	0.0046	mg/kg	
335-67-1	Perfluorooctanoic acid	0.018 U	0.023	0.018	0.0091	mg/kg	
375-95-1	Perfluorononanoic acid	0.0091 U	0.011	0.0091	0.0052	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.0091 U	0.011	0.0091	0.0046	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.0091 U	0.011	0.0091	0.0046	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0091 U	0.011	0.0091	0.0046	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	87%		70-130%
	13C2-PFDA	87%		70-130%

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:	GRIFS-SO-005		
Lab Sample ID:	FA20060-6	**Date Sampled:**	11/17/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	85.8
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8483.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277
Run #2							

	Initial Weight	Final Volume
Run #1	1.01 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.012 U	0.014	0.012	0.0058	mg/kg	
335-67-1	Perfluorooctanoic acid	0.023 U	0.029	0.023	0.012	mg/kg	
375-95-1	Perfluorononanoic acid	0.012 U	0.014	0.012	0.0066	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.012 U	0.014	0.012	0.0058	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.012 U	0.014	0.012	0.0058	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.137	0.014	0.012	0.0058	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	90%		70-130%
	13C2-PFDA	92%		70-130%

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:	GRIFS-SO-006		
Lab Sample ID:	FA20060-7	**Date Sampled:**	11/17/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	91.0
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8484.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277
Run #2							

	Initial Weight	Final Volume
Run #1	1.02 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.011 U	0.013	0.011	0.0054	mg/kg	
335-67-1	Perfluorooctanoic acid	0.022 U	0.027	0.022	0.011	mg/kg	
375-95-1	Perfluorononanoic acid	0.011 U	0.013	0.011	0.0062	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.011 U	0.013	0.011	0.0054	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.011 U	0.013	0.011	0.0054	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0177	0.013	0.011	0.0054	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	89%		70-130%
	13C2-PFDA	89%		70-130%

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:	GRIFS-SO-007		
Lab Sample ID:	FA20060-8	**Date Sampled:**	11/17/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	88.0
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8323.D	1	11/26/14	NAF	11/21/14	OP53998	SQ273
Run #2							

	Initial Weight	Final Volume
Run #1	1.03 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.011 U	0.014	0.011	0.0055	mg/kg	
335-67-1	Perfluorooctanoic acid	0.022 U	0.028	0.022	0.011	mg/kg	
375-95-1	Perfluorononanoic acid	0.011 U	0.014	0.011	0.0063	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.011 U	0.014	0.011	0.0055	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.011 U	0.014	0.011	0.0055	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0133	0.014	0.011	0.0055	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	89%		70-130%
	13C2-PFDA	95%		70-130%

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: GRIFS-SO-008
Lab Sample ID: FA20060-9
Matrix: SO - Soil
Method: EPA 537 MOD IN HOUSE
Project: Griffis AFB; Rome, NY

Date Sampled: 11/17/14
Date Received: 11/19/14
Percent Solids: 87.8

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8142.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2							

	Initial Weight	Final Volume
Run #1	1.28 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.0089 U	0.011	0.0089	0.0044	mg/kg	
335-67-1	Perfluorooctanoic acid	0.018 U	0.022	0.018	0.0089	mg/kg	
375-95-1	Perfluorononanoic acid	0.0089 U	0.011	0.0089	0.0051	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.0089 U	0.011	0.0089	0.0044	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.0089 U	0.011	0.0089	0.0044	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.114	0.011	0.0089	0.0044	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	80%		70-130%
	13C2-PFDA	122%		70-130%

U = Not detected LOD = Limit of Detection
LOQ = Limit of Quantitation DL = Detection Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	GRIFS-SO-009		
Lab Sample ID:	FA20060-10	**Date Sampled:**	11/17/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	83.3
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8143.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2							

	Initial Weight	Final Volume
Run #1	1.33 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.0090 U	0.011	0.0090	0.0045	mg/kg	
335-67-1	Perfluorooctanoic acid	0.018 U	0.023	0.018	0.0090	mg/kg	
375-95-1	Perfluorononanoic acid	0.0090 U	0.011	0.0090	0.0052	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.0090 U	0.011	0.0090	0.0045	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.0090 U	0.011	0.0090	0.0045	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.122	0.011	0.0090	0.0045	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	82%		70-130%
	13C2-PFDA	120%		70-130%

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:	GRIFS-SO-010		
Lab Sample ID:	FA20060-11	**Date Sampled:**	11/18/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	84.8
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8144.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2							

	Initial Weight	Final Volume
Run #1	1.04 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.011 U	0.014	0.011	0.0057	mg/kg	
335-67-1	Perfluorooctanoic acid	0.023 U	0.028	0.023	0.011	mg/kg	
375-95-1	Perfluorononanoic acid	0.011 U	0.014	0.011	0.0065	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.011 U	0.014	0.011	0.0057	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.011 U	0.014	0.011	0.0057	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0565	0.014	0.011	0.0057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	80%		70-130%
	13C2-PFDA	112%		70-130%

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:	GRIFS-SO-011		
Lab Sample ID:	FA20060-12	**Date Sampled:**	11/18/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	87.3
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8146.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2							

	Initial Weight	Final Volume
Run #1	1.06 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.011 U	0.014	0.011	0.0054	mg/kg	
335-67-1	Perfluorooctanoic acid	0.022 U	0.027	0.022	0.011	mg/kg	
375-95-1	Perfluorononanoic acid	0.011 U	0.014	0.011	0.0062	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.011 U	0.014	0.011	0.0054	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.011 U	0.014	0.011	0.0054	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0758	0.014	0.011	0.0054	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	81%		70-130%
	13C2-PFDA	116%		70-130%

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:	GRIFS-FT030P-BLK02		
Lab Sample ID:	FA20060-13	**Date Sampled:**	11/18/14
Matrix:	AQ - Equipment Blank	**Date Received:**	11/19/14
Method:	EPA 537 MOD EPA 537 MOD	**Percent Solids:**	n/a
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8237.D	1	11/24/14	NAF	11/21/14	OP53986	SQ271
Run #2							

	Initial Volume	Final Volume
Run #1	120 ml	1.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.017 U	0.021	0.017	0.0083	ug/l	
335-67-1	Perfluorooctanoic acid	0.033 U	0.042	0.033	0.017	ug/l	
375-95-1	Perfluorononanoic acid	0.017 U	0.021	0.017	0.0083	ug/l	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.017 U	0.021	0.017	0.0083	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.017 U	0.021	0.017	0.0083	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.017 U	0.021	0.017	0.0083	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	100%		70-130%
	13C2-PFDA	102%		70-130%

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:	GRIFS-GW-001		
Lab Sample ID:	FA20060-14	**Date Sampled:**	11/18/14
Matrix:	AQ - Ground Water	**Date Received:**	11/19/14
Method:	EPA 537 MOD EPA 537 MOD	**Percent Solids:**	n/a
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8238.D	1	11/24/14	NAF	11/21/14	OP53986	SQ271
Run #2	Q8256.D	5	11/25/14	NAF	11/21/14	OP53986	SQ272

	Initial Volume	Final Volume
Run #1	120 ml	1.0 ml
Run #2	120 ml	1.0 ml

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.0102	0.021	0.017	0.0083	ug/l	J
335-67-1	Perfluorooctanoic acid	0.0236	0.042	0.033	0.017	ug/l	J
375-95-1	Perfluorononanoic acid	0.017 U	0.021	0.017	0.0083	ug/l	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.017 U	0.021	0.017	0.0083	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.0683	0.021	0.017	0.0083	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.617 [a]	0.10	0.083	0.042	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	96%	94%	70-130%
	13C2-PFDA	110%	90%	70-130%

(a) Result is from Run# 2

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:	GRIFS-GW-002		
Lab Sample ID:	FA20060-15	**Date Sampled:**	11/18/14
Matrix:	AQ - Ground Water	**Date Received:**	11/19/14
Method:	EPA 537 MOD EPA 537 MOD	**Percent Solids:**	n/a
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8224.D	1	11/24/14	NAF	11/21/14	OP53986	SQ271
Run #2							

	Initial Volume	Final Volume
Run #1	125 ml	1.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.016 U	0.020	0.016	0.0080	ug/l	
335-67-1	Perfluorooctanoic acid	0.032 U	0.040	0.032	0.016	ug/l	
375-95-1	Perfluorononanoic acid	0.016 U	0.020	0.016	0.0080	ug/l	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.016 U	0.020	0.016	0.0080	ug/l	
355-46-4	Perfluorohexanesulfonic acid	0.016 U	0.020	0.016	0.0080	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	0.016 U	0.020	0.016	0.0080	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	97%		70-130%
	13C2-PFDA	102%		70-130%

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:	GRIFS-SO-012		
Lab Sample ID:	FA20060-16	**Date Sampled:**	11/18/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	86.2
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8324.D	1	11/26/14	NAF	11/21/14	OP53998	SQ273
Run #2	Q8325.D	10	11/26/14	NAF	11/21/14	OP53998	SQ273

	Initial Weight	Final Volume
Run #1	1.01 g	5.0 ml
Run #2	1.01 g	5.0 ml

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.011 U	0.014	0.011	0.0057	mg/kg	
335-67-1	Perfluorooctanoic acid	0.023 U	0.029	0.023	0.011	mg/kg	
375-95-1	Perfluorononanoic acid	0.011 U	0.014	0.011	0.0066	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.011 U	0.014	0.011	0.0057	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.0162	0.014	0.011	0.0057	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.935 [a]	0.14	0.11	0.057	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	78%	82%	70-130%
	13C2-PFDA	109%	91%	70-130%

(a) Result is from Run# 2

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:	GRIFS-SO-013		
Lab Sample ID:	FA20060-17	**Date Sampled:**	11/18/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	81.2
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8150.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2							

	Initial Weight	Final Volume
Run #1	1.28 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.0096 U	0.012	0.0096	0.0048	mg/kg	
335-67-1	Perfluorooctanoic acid	0.019 U	0.024	0.019	0.0096	mg/kg	
375-95-1	Perfluorononanoic acid	0.0096 U	0.012	0.0096	0.0055	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.0096 U	0.012	0.0096	0.0048	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.0096 U	0.012	0.0096	0.0048	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0779	0.012	0.0096	0.0048	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	81%		70-130%
	13C2-PFDA	125%		70-130%

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:	GRIFS-SO-014		
Lab Sample ID:	FA20060-18	**Date Sampled:**	11/18/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	86.4
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8151.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2							

	Initial Weight	Final Volume
Run #1	1.04 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.011 U	0.014	0.011	0.0056	mg/kg	
335-67-1	Perfluorooctanoic acid	0.022 U	0.028	0.022	0.011	mg/kg	
375-95-1	Perfluorononanoic acid	0.011 U	0.014	0.011	0.0064	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.011 U	0.014	0.011	0.0056	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.011 U	0.014	0.011	0.0056	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.011 U	0.014	0.011	0.0056	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	78%		70-130%
	13C2-PFDA	120%		70-130%

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:	GRIFS-SO-015		
Lab Sample ID:	FA20060-19	**Date Sampled:**	11/18/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	90.7
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8152.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2	Q8326.D	5	11/26/14	NAF	11/21/14	OP53998	SQ273

	Initial Weight	Final Volume
Run #1	1.07 g	5.0 ml
Run #2	1.07 g	5.0 ml

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.010 U	0.013	0.010	0.0052	mg/kg	
335-67-1	Perfluorooctanoic acid	0.021 U	0.026	0.021	0.010	mg/kg	
375-95-1	Perfluorononanoic acid	0.010 U	0.013	0.010	0.0059	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.010 U	0.013	0.010	0.0052	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.010 U	0.013	0.010	0.0052	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.488 [a]	0.064	0.052	0.026	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	82%	77%	70-130%
	13C2-PFDA	121%	84%	70-130%

(a) Result is from Run# 2

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: GRIFS-SO-016
Lab Sample ID: FA20060-20
Matrix: SO - Soil
Method: EPA 537 MOD IN HOUSE
Project: Griffis AFB; Rome, NY

Date Sampled: 11/18/14
Date Received: 11/19/14
Percent Solids: 92.4

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8327.D	1	11/26/14	NAF	11/21/14	OP53998	SQ273
Run #2							

	Initial Weight	Final Volume
Run #1	1.12 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.0097 U	0.012	0.0097	0.0048	mg/kg	
335-67-1	Perfluorooctanoic acid	0.0568	0.024	0.019	0.0097	mg/kg	
375-95-1	Perfluorononanoic acid	0.0097 U	0.012	0.0097	0.0056	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.0097 U	0.012	0.0097	0.0048	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.153	0.012	0.0097	0.0048	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.0157	0.012	0.0097	0.0048	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	82%		70-130%
	13C2-PFDA	85%		70-130%

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:	GRIFS-SO-017		
Lab Sample ID:	FA20060-21	**Date Sampled:**	11/18/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	88.5
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8154.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2							

	Initial Weight	Final Volume
Run #1	1.10 g	5.0 ml
Run #2		

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.010 U	0.013	0.010	0.0051	mg/kg	
335-67-1	Perfluorooctanoic acid	0.021 U	0.026	0.021	0.010	mg/kg	
375-95-1	Perfluorononanoic acid	0.010 U	0.013	0.010	0.0059	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.010 U	0.013	0.010	0.0051	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.010 U	0.013	0.010	0.0051	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.106	0.013	0.010	0.0051	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	81%		70-130%
	13C2-PFDA	115%		70-130%

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:	GRIFS-SO-018		
Lab Sample ID:	FA20060-22	**Date Sampled:**	11/18/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	91.9
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8155.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2	Q8328.D	5	11/26/14	NAF	11/21/14	OP53998	SQ273

	Initial Weight	Final Volume
Run #1	1.19 g	5.0 ml
Run #2	1.19 g	5.0 ml

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.0091 U	0.011	0.0091	0.0046	mg/kg	
335-67-1	Perfluorooctanoic acid	0.018 U	0.023	0.018	0.0091	mg/kg	
375-95-1	Perfluorononanoic acid	0.0091 U	0.011	0.0091	0.0053	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.0091 U	0.011	0.0091	0.0046	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.0091 U	0.011	0.0091	0.0046	mg/kg	
1763-23-1	Perfluorooctanesulfonic acid	0.638 [a]	0.057	0.046	0.023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	78%	76%	70-130%
	13C2-PFDA	117%	90%	70-130%

(a) Result is from Run# 2

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:	GRIFS-SO-019		
Lab Sample ID:	FA20060-23	**Date Sampled:**	11/18/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	91.7
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8156.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2	Q8329.D	10	11/26/14	NAF	11/21/14	OP53998	SQ273

	Initial Weight	Final Volume
Run #1	1.17 g	5.0 ml
Run #2	1.17 g	5.0 ml

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.0093 U	0.012	0.0093	0.0047	mg/kg	
335-67-1	Perfluorooctanoic acid	0.019 U	0.023	0.019	0.0093	mg/kg	
375-95-1	Perfluorononanoic acid	0.0093 U	0.012	0.0093	0.0054	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.0093 U	0.012	0.0093	0.0047	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00748	0.012	0.0093	0.0047	mg/kg	J
1763-23-1	Perfluorooctanesulfonic acid	1.60 [a]	0.12	0.093	0.047	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	80%	80%	70-130%
	13C2-PFDA	119%	93%	70-130%

(a) Result is from Run# 2

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:	GRIFS-SO-020		
Lab Sample ID:	FA20060-24	**Date Sampled:**	11/18/14
Matrix:	SO - Soil	**Date Received:**	11/19/14
Method:	EPA 537 MOD IN HOUSE	**Percent Solids:**	91.9
Project:	Griffis AFB; Rome, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	Q8157.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
Run #2	Q8330.D	10	11/26/14	NAF	11/21/14	OP53998	SQ273

	Initial Weight	Final Volume
Run #1	1.16 g	5.0 ml
Run #2	1.16 g	5.0 ml

Perfluorinated Carboxylic Acids and Sulfonates

CAS No.	Compound	Result	LOQ	LOD	DL	Units	Q
PERFLUOROALKYLCARBOXYLIC ACIDS							
375-85-9	Perfluoroheptanoic acid	0.0094 U	0.012	0.0094	0.0047	mg/kg	
335-67-1	Perfluorooctanoic acid	0.019 U	0.023	0.019	0.0094	mg/kg	
375-95-1	Perfluorononanoic acid	0.0094 U	0.012	0.0094	0.0054	mg/kg	
PERFLUOROALKYLSULFONATES							
375-73-5	Perfluorobutanesulfonic acid	0.0094 U	0.012	0.0094	0.0047	mg/kg	
355-46-4	Perfluorohexanesulfonic acid	0.00618	0.012	0.0094	0.0047	mg/kg	J
1763-23-1	Perfluorooctanesulfonic acid	1.39 [a]	0.12	0.094	0.047	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
	13C2-PFHxA	77%	77%	70-130%
	13C2-PFDA	118%	88%	70-130%

(a) Result is from Run# 2

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

amec Foster Wheeler
(207) 775-5401

SHIP TO:
Accutest
4405 Vineland Road, Suite C-15
Orlando, Florida 32811
Atten: Andrea Colby
Lab Phone# 386-615-8479

FA20060

CHAIN OF CUSTODY

DATE: 11/18/2014
COC #: GRFIS141118A
PAGE: 1 OF 2

Sample Information						Methods for Analysis	RUSH		
No.	Sample ID	Date & Time Sampled	Matrix	Sample Type	MS/MSD	PFCs (LC/MS/MS)		TOTAL BOTTLES	HOLD All Analyses
1	GRIFS-FT030P-BLK01	11/18/14 07:55	WQ	RB	N	X			
2	GRIFS-SO-001	11/17/14 11:45	SO	N	N	X			
3	GRIFS-SO-002	11/17/14 12:30	SO	N	N	X			
4	GRIFS-SO-003	11/17/14 12:45	SO	N	N	X			
5	GRIFS-SO-004	11/17/14 13:05	SO	N	N	X			
6	GRIFS-SO-005	11/17/14 13:22	SO	N	N	X			
7	GRIFS-SO-006	11/17/14 13:40	SO	N	N	X			
8	GRIFS-SO-007	11/17/14 14:40	SO	N	N	X			
9	GRIFS-SO-008	11/17/14 14:50	SO	N	N	X			
10	GRIFS-SO-009	11/17/14 15:10	SO	N	N	X			
11	GRIFS-SO-010	11/18/14 07:40	SO	N	N	X			
12	GRIFS-SO-011	11/18/14 07:40	SO	FD	N	X			

Sampler's Signature: Date: 11/18/14 Time: 700

Relinquished By/Affiliation: Amec Foster Wheeler Date: 11/18/14 Time: 700

Received By: FX Date: Time:

Relinquished By/Affiliation: FX 11-19-14 Date: 700 Time:

Received By: Date: Time:

Relinquished By/Affiliation: Date: Time:

Received By (LAB): Date: Time:

For Lab Use

Does COC match samples:	Y or N
Broken Container:	Y or N
COC seal intact:	Y or N
Other problems:	Y or N
WSDOT contacted:	Y or N
Date contacted:	
Cooler Temperature at receipt:	2.8 °C

Comments:
X=Analyze H=Hold Analysis Request

NUMBER OF COOLERS SENT:

FA20060: Chain of Custody
Page 1 of 5

FA20060

amec (207) 775-5401

SHIP TO:
Accutest
4405 Vineland Road, Suite C-15
Orlando, Florida 32811
Attn: Andrea Colby
Lab Phone# 386-615-8479

CHAIN OF CUSTODY

DATE: 11/18/2014
COC #: GRFIS141118A
PAGE: 2 OF 2

	Sample Information					Methods for Analysis	RUSH	TOTAL BOTTLES	HOLD All Analyses
No.	Sample ID	Date & Time Sampled	Matrix	Sample Type	MS/MSD	PFCs (LC/MS/MS)			
13	1 GRIFS-FT030P-BLK02	11/18/14 10:30	WQ	N	N	X			
14	2 GRIFS-GW-001	11/18/14 14:45	GW	N	N	X			
15	3 GRIFS-GW-002	11/18/14 14:45	GW	FD	Y	X			
16	4 GRIFS-SO-012	11/18/14 08:10	SO	N	N	X			
17	5 GRIFS-SO-013	11/18/14 08:20	SO	N	N	X			
18	6 GRIFS-SO-014	11/18/14 09:00	SO	N	N	X			
19	7 GRIFS-SO-015	11/18/14 09:14	SO	N	N	X			
20	8 GRIFS-SO-016	11/18/14 09:20	SO	N	N	X			
21	9 GRIFS-SO-017	11/18/14 10:03	SO	N	N	X			
22	10 GRIFS-SO-018	11/18/14 10:10	SO	N	N	X			
23	11 GRIFS-SO-019	11/18/14 10:20	SO	N	N	X			
24	12 GRIFS-SO-020	11/18/14 10:20	SO	FD	Y	X			

Sampler's Signature: Date: 11/18/14 Time: 1700

Relinquished By/Affiliation: AMEC Foster Wheeler Date: 11/18/14 Time: 1720
Received By: FV

Relinquished By/Affiliation: FV Date: 11-19-14 Time: 700
Received By: Date: Time:

Relinquished By/Affiliation: Date: Time:

Received By (LAB): Date: Time:

For Lab Use

Does COC match samples:	Y or N
Broken Container:	Y or N
COC seal intact:	Y or N
Other problems:	Y or N
WSDOT contacted:	Y or N
Date contacted:	
Cooler Temperature at receipt:	°C

Comments:
X=Analyze H=Hold Analysis Request

NUMBER OF COOLERS SENT:

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA20060 CLIENT: AMEC PROJECT: GAFFISS AFB

DATE/TIME RECEIVED: 11-19-14 700 {MM/DD/YY 24:00} NUMBER OF COOLERS RECEIVED:

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER DELIVERY OTHER:

AIRBILL NUMBERS: 8063 1881 6891

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [X] TRIP BLANK NOT PROVIDED
- [X] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM 5-GRAM

NUMBER OF 5035 FIELD KITS ?

NUMBER OF LAB FILTERED METALS ?

TEMPERATURE INFORMATION

- [ ] IR THERM ID 1 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 2.4
- [ ] CORRECTED TEMPS: 2.8

SAMPLE INFORMATION

- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] 5035 FIELD KITS NOT RECEIVED WITHIN 48 HOURS
- [ ] BULK VOA SOIL JARS NOT RECEIVED WITHIN 48 HOURS
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] RESIDUAL CHLORINE PRESENT LOT#

{APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS}

pH PAPER LOT#s WIDE RANGE A036122 NARROW RANGE HC421754 OTHER (specify) 405-230010

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 11-19-14 REVIEWER SIGNATURE/DATE 11-19-14

NF 10/14 receipt confirmation 102914.xls

5.1 5

FA20060: Chain of Custody
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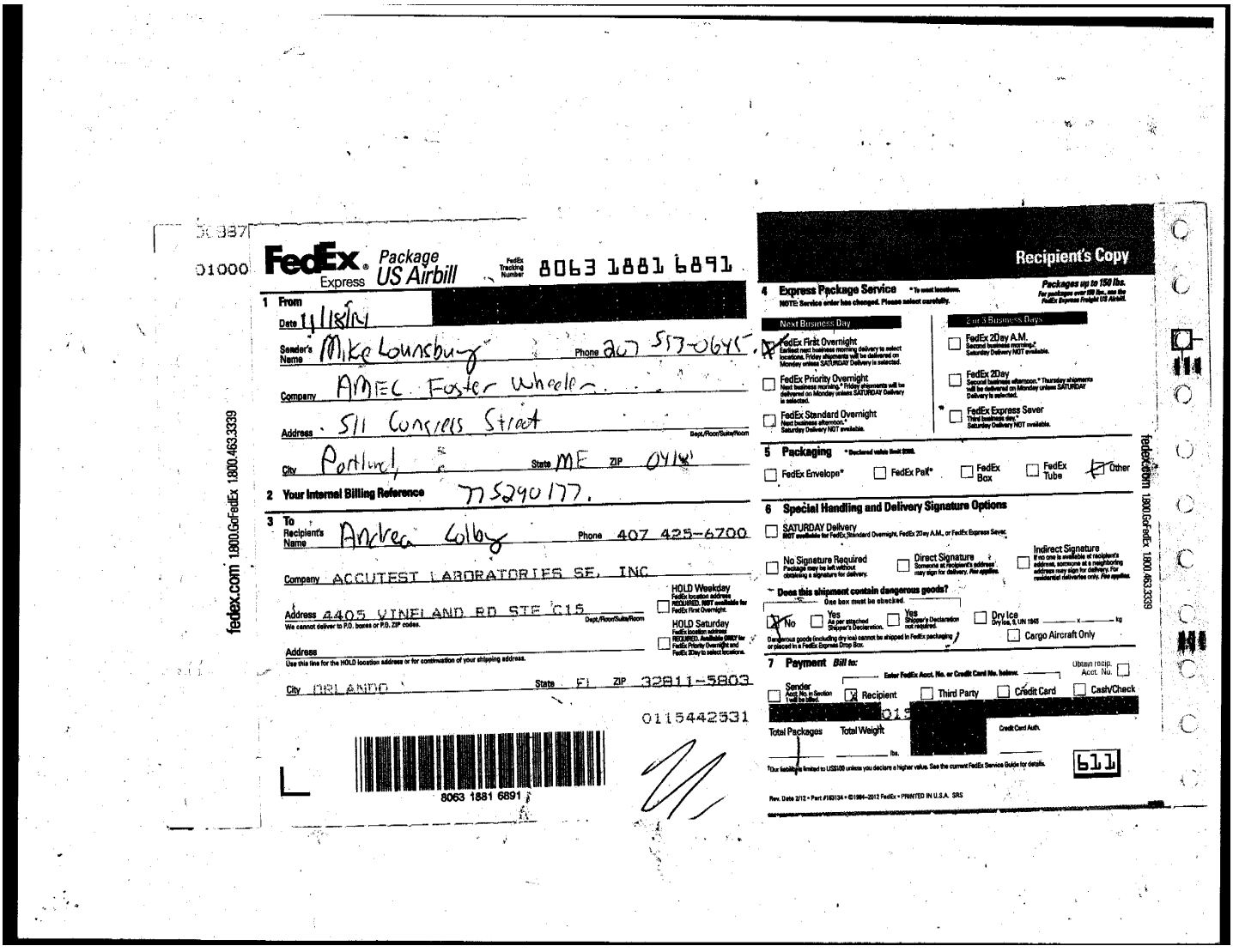

FedEx Express Package US Airbill — FedEx Tracking Number 8063 1881 6891

1 From
Date 11/18/14
Sender's Name Mike Lounsbury Phone 207 517-0645
Company AMEC Foster Wheeler
Address 511 Congress Street
City Portland State ME ZIP 0416
2 Your Internal Billing Reference 7752940177.
3 To Recipient's Name Andrea Colby Phone 407 425-6700
Company ACCUTEST LABORATORIES SE, INC
Address 4405 VINELAND RD STE C15
We cannot deliver to P.O. boxes or P.O. ZIP codes.
Address
Use this line for the HOLD location address or for continuation of your shipping address.
City ORLANDO State FL ZIP 32811-5803
0115442531
8063 1881 6891

Recipient's Copy

4 Express Package Service
Next Business Day: FedEx First Overnight; FedEx Priority Overnight; FedEx Standard Overnight
2 or 3 Business Days: FedEx 2Day A.M.; FedEx 2Day; FedEx Express Saver
5 Packaging: FedEx Envelope; FedEx Pak; FedEx Box; FedEx Tube; Other
6 Special Handling and Delivery Signature Options: SATURDAY Delivery; No Signature Required; Direct Signature; Indirect Signature; Does this shipment contain dangerous goods? No; Yes; Dry Ice; Cargo Aircraft Only
7 Payment Bill to: Sender; Recipient; Third Party; Credit Card; Cash/Check
Total Packages Total Weight Credit Card Auth.
611

fedex.com 1.800.GoFedEx 1.800.463.3339

Sample ID	Location	Depth	Accutest ID
GRIFS-SO-001	GRIFS-FT030P-001	(0 to 1)	FA20060-2
GRIFS-SO-002	GRIFS-FT030P-001	(3 to 5)	FA20060-3
GRIFS-SO-003	GRIFS-FT030P-001	(8 to 10)	FA20060-4
GRIFS-SO-004	GRIFS-FT030P-002	(0 to 1)	FA20060-5
GRIFS-SO-005	GRIFS-FT030P-002	(3 to 5)	FA20060-6
GRIFS-SO-006	GRIFS-FT030P-002	(8 to 10)	FA20060-7
GRIFS-SO-007	GRIFS-FT030P-003	(0 to 1)	FA20060-8
GRIFS-SO-008	GRIFS-FT030P-003	(3 to 5)	FA20060-9
GRIFS-SO-009	GRIFS-FT030P-003	(8 to 10)	FA20060-10
GRIFS-SO-010	GRIFS-FT030P-004	(0 to 1)	FA20060-11
GRIFS-SO-011	GRIFS-FT030P-004	(0 to 1)	FA20060-12
GRIFS-FT030P-BLK01	GRIFS-FT030P-BLK		FA20060-1
GRIFS-SO-012	GRIFS-FT030P-004	(3 to 5)	FA20060-16
GRIFS-SO-013	GRIFS-FT030P-004	(8 to 10)	FA20060-17
GRIFS-SO-014	GRIFS-FT030P-005	(0 to 1)	FA20060-18
GRIFS-SO-015	GRIFS-FT030P-005	(3 to 5)	FA20060-19
GRIFS-SO-016	GRIFS-FT030P-005	(8 to 10)	FA20060-20
GRIFS-SO-017	GRIFS-FT030P-006	(0 to 1)	FA20060-21
GRIFS-SO-018	GRIFS-FT030P-006	(3 to 5)	FA20060-22
GRIFS-SO-019	GRIFS-FT030P-006	(8 to 10)	FA20060-23
GRIFS-SO-020	GRIFS-FT030P-006	(8 to 10)	FA20060-24
GRIFS-FT030P-BLK02	GRIFS-FT030P-BLK		FA20060-13
GRIFS-GW-001	GRIFS-FT030P-002		FA20060-14
GRIFS-GW-002	GRIFS-FT030P-002		FA20060-15

FA20060: Chain of Custody
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Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP53982-MB	Q8460.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277

The QC reported here applies to the following samples: **Method:** EPA 537 MOD

FA20060-2, FA20060-3, FA20060-4, FA20060-5, FA20060-6, FA20060-7

CAS No.	Compound	Result	RL	MDL	Units	Q
375-85-9	Perfluoroheptanoic acid	ND	13	5.0	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	25	10	ug/kg	
375-95-1	Perfluorononanoic acid	ND	13	5.8	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	13	5.0	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	13	5.0	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	13	5.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
	13C2-PFHxA	86%	70-130%
	13C2-PFDA	86%	70-130%

Method Blank Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP53986-MB	Q8213.D	1	11/24/14	NAF	11/21/14	OP53986	SQ271

The QC reported here applies to the following samples: **Method:** EPA 537 MOD

FA20060-1, FA20060-13, FA20060-14, FA20060-15

CAS No.	Compound	Result	RL	MDL	Units	Q
375-85-9	Perfluoroheptanoic acid	ND	0.020	0.0080	ug/l	
335-67-1	Perfluorooctanoic acid	ND	0.040	0.016	ug/l	
375-95-1	Perfluorononanoic acid	ND	0.020	0.0080	ug/l	
375-73-5	Perfluorobutanesulfonic acid	ND	0.020	0.0080	ug/l	
355-46-4	Perfluorohexanesulfonic acid	ND	0.020	0.0080	ug/l	
1763-23-1	Perfluorooctanesulfonic acid	ND	0.020	0.0080	ug/l	

CAS No.	Surrogate Recoveries		Limits
	13C2-PFHxA	103%	70-130%
	13C2-PFDA	104%	70-130%

Method Blank Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP53998-MB	Q8139.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270

The QC reported here applies to the following samples: **Method:** EPA 537 MOD

FA20060-8, FA20060-9, FA20060-10, FA20060-11, FA20060-12, FA20060-16, FA20060-17, FA20060-18, FA20060-19, FA20060-20, FA20060-21, FA20060-22, FA20060-23, FA20060-24

CAS No.	Compound	Result	RL	MDL	Units	Q
375-85-9	Perfluoroheptanoic acid	ND	13	5.0	ug/kg	
335-67-1	Perfluorooctanoic acid	ND	25	10	ug/kg	
375-95-1	Perfluorononanoic acid	ND	13	5.8	ug/kg	
375-73-5	Perfluorobutanesulfonic acid	ND	13	5.0	ug/kg	
355-46-4	Perfluorohexanesulfonic acid	ND	13	5.0	ug/kg	
1763-23-1	Perfluorooctanesulfonic acid	ND	13	5.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
	13C2-PFHxA	75%	70-130%
	13C2-PFDA	121%	70-130%

Blank Spike Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP53982-BS	Q8459.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277

The QC reported here applies to the following samples: **Method:** EPA 537 MOD

FA20060-2, FA20060-3, FA20060-4, FA20060-5, FA20060-6, FA20060-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
375-85-9	Perfluoroheptanoic acid	100	75.3	75	70-130
335-67-1	Perfluorooctanoic acid	100	76.8	77	70-130
375-95-1	Perfluorononanoic acid	100	88.8	89	70-130
375-73-5	Perfluorobutanesulfonic acid	100	83.9	84	70-130
355-46-4	Perfluorohexanesulfonic acid	100	84.9	85	70-130
1763-23-1	Perfluorooctanesulfonic acid	100	79.1	79	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	92%	70-130%
	13C2-PFDA	91%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP53986-BS	Q8212.D	1	11/24/14	NAF	11/21/14	OP53986	SQ271

The QC reported here applies to the following samples: **Method:** EPA 537 MOD

FA20060-1, FA20060-13, FA20060-14, FA20060-15

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
375-85-9	Perfluoroheptanoic acid	0.16	0.137	86	70-130
335-67-1	Perfluorooctanoic acid	0.16	0.149	93	70-130
375-95-1	Perfluorononanoic acid	0.16	0.159	99	70-130
375-73-5	Perfluorobutanesulfonic acid	0.16	0.164	103	70-130
355-46-4	Perfluorohexanesulfonic acid	0.16	0.170	106	70-130
1763-23-1	Perfluorooctanesulfonic acid	0.16	0.152	95	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	110%	70-130%
	13C2-PFDA	112%	70-130%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP53998-BS	Q8145.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270

The QC reported here applies to the following samples: **Method:** EPA 537 MOD

FA20060-8, FA20060-9, FA20060-10, FA20060-11, FA20060-12, FA20060-16, FA20060-17, FA20060-18, FA20060-19, FA20060-20, FA20060-21, FA20060-22, FA20060-23, FA20060-24

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
375-85-9	Perfluoroheptanoic acid	100	79.8	80	70-130
335-67-1	Perfluorooctanoic acid	100	90.2	90	70-130
375-95-1	Perfluorononanoic acid	100	89.5	90	70-130
375-73-5	Perfluorobutanesulfonic acid	100	102	102	70-130
355-46-4	Perfluorohexanesulfonic acid	100	94.5	95	70-130
1763-23-1	Perfluorooctanesulfonic acid	100	91.3	91	70-130

CAS No.	Surrogate Recoveries	BSP	Limits
	13C2-PFHxA	87%	70-130%
	13C2-PFDA	126%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP53982-MS	Q8485.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277
OP53982-MSD	Q8486.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277
FA20060-7	Q8484.D	1	12/03/14	NAF	11/20/14	OP53982	SQ277

The QC reported here applies to the following samples: **Method:** EPA 537 MOD

FA20060-2, FA20060-3, FA20060-4, FA20060-5, FA20060-6, FA20060-7

CAS No.	Compound	FA20060-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
375-85-9	Perfluoroheptanoic acid	13 U		110	85.9	78	97.2	72.5	75	17	70-130/30
335-67-1	Perfluorooctanoic acid	27 U		110	88.9	81	97.2	74.5	77	18	70-130/30
375-95-1	Perfluorononanoic acid	13 U		110	92.5	84	97.2	80.0	82	14	70-130/30
375-73-5	Perfluorobutanesulfonic acid	13 U		110	110	100	97.2	89.1	92	21	70-130/30
355-46-4	Perfluorohexanesulfonic acid	13 U		110	111	101	97.2	89.6	92	21	70-130/30
1763-23-1	Perfluorooctanesulfonic acid	17.7		110	105	79	97.2	91.6	76	14	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	FA20060-7	Limits
	13C2-PFHxA	86%	82%	89%	70-130%
	13C2-PFDA	86%	81%	89%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP53986-MS	Q8252.D	25	11/25/14	NAF	11/21/14	OP53986	SQ272
OP53986-MSD	Q8253.D	25	11/25/14	NAF	11/21/14	OP53986	SQ272
FA20066-1	Q8254.D	50	11/25/14	NAF	11/21/14	OP53986	SQ272

The QC reported here applies to the following samples: **Method:** EPA 537 MOD

FA20060-1, FA20060-13, FA20060-14, FA20060-15

CAS No.	Compound	FA20066-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Spike ug/l	MSD ug/l	MSD %	RPD	Limits Rec/RPD
375-85-9	Perfluoroheptanoic acid	1.0 U		0.333	0.604	181*	0.333	0.620	186*	3	70-130/30
335-67-1	Perfluorooctanoic acid	3.90		0.333	3.63	-81* [a]	0.333	3.75	-45* [a]	3	70-130/30
375-73-5	Perfluorobutanesulfonic acid	0.620	J	0.333	0.868	74	0.333	0.892	82	3	70-130/30
355-46-4	Perfluorohexanesulfonic acid	3.99		0.333	3.60	-117* [a]	0.333	3.75	-72* [a]	4	70-130/30
1763-23-1	Perfluorooctanesulfonic acid	9.43		0.333	8.49	-282* [a]	0.333	8.91	-156* [a]	5	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	FA20066-1	Limits
	13C2-PFHxA	0%* [b]	0%* [b]	0%* [b]	70-130%
	13C2-PFDA	0%* [b]	0%* [b]	0%* [b]	70-130%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Outside control limits due to dilution.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP53998-MS	Q8331.D	10	11/26/14	NAF	11/21/14	OP53998	SQ273
OP53998-MSD	Q8332.D	10	11/26/14	NAF	11/21/14	OP53998	SQ273
FA20060-24	Q8157.D	1	11/22/14	NAF	11/21/14	OP53998	SQ270
FA20060-24	Q8330.D	10	11/26/14	NAF	11/21/14	OP53998	SQ273

The QC reported here applies to the following samples: **Method:** EPA 537 MOD

FA20060-8, FA20060-9, FA20060-10, FA20060-11, FA20060-12, FA20060-16, FA20060-17, FA20060-18, FA20060-19, FA20060-20, FA20060-21, FA20060-22, FA20060-23, FA20060-24

CAS No.	Compound	FA20060-24 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	Spike ug/kg	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
375-85-9	Perfluoroheptanoic acid	12 U		89.2	68.6	77	98.9	95.7	97	33*	70-130/30
335-67-1	Perfluorooctanoic acid	23 U		89.2	91.4	102	98.9	128	129	33*	70-130/30
375-95-1	Perfluorononanoic acid	12 U		89.2	73.2	82	98.9	106	107	37*	70-130/30
375-73-5	Perfluorobutanesulfonic acid	12 U		89.2	74.6	84	98.9	103	104	32*	70-130/30
355-46-4	Perfluorohexanesulfonic acid	6.18	J	89.2	80.0	83	98.9	98.4	93	21	70-130/30
1763-23-1	Perfluorooctanesulfonic acid	1390 [b]		89.2	1450	67* [a]	98.9	1810	425* [a]	22	70-130/30

CAS No.	Surrogate Recoveries	MS	MSD	FA20060-24	FA20060-24	Limits
	13C2-PFHxA	73%	93%	77%	77%	70-130%
	13C2-PFDA	86%	103%	118%	88%	70-130%

(a) Outside control limits due to high level in sample relative to spike amount.
(b) Result is from Run #2.

* = Outside of Control Limits.

Semivolatile Internal Standard Area Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Check Std:	SQ270-CC269	**Injection Date:**	11/22/14
Lab File ID:	Q8136.D	**Injection Time:**	08:07
Instrument ID:	GCMSQ	**Method:**	EPA 537 MOD

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	29793	6.07	12398	6.62	29085	8.62
Check Std [b]	34329	6.11	14450	6.66	25762	8.82
Upper Limit [c]	44690	7.11	18597	7.66	43628	9.82
Lower Limit [d]	14897	5.11	6199	5.66	14543	7.82

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
OP53998-MB	39460	6.11	15766	6.66	27802	8.82
ZZZZZZ	37716	6.11	14834	6.66	26625	8.82
FA20060-9	36965	6.11	14126	6.67	27039	8.86
FA20060-10	33181	6.13	13479	6.69	26678	8.90
FA20060-11	34942	6.13	14335	6.69	29662	8.90
OP53998-BS	30319	6.13	12452	6.69	24495	8.91
FA20060-12	34720	6.13	14095	6.69	28982	8.91

IS 1 = 13C2-PFOA
IS 2 = 13C4-PFOS
IS 3 = 13C2-PFDoDA

(a) Initial Cal is: SQ269-ICC269 Q7974.D 11/19/14 13:54. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to +50% of initial cal area.
(c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

Semivolatile Internal Standard Area Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Check Std:	SQ270-CC269	**Injection Date:**	11/22/14
Lab File ID:	Q8148.D	**Injection Time:**	12:20
Instrument ID:	GCMSQ	**Method:**	EPA 537 MOD

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	29793	6.07	12398	6.62	29085	8.62
Check Std [b]	31064	6.13	13328	6.69	24075	8.90
Upper Limit [c]	44690	7.13	18597	7.69	43628	9.90
Lower Limit [d]	14897	5.13	6199	5.69	14543	7.90

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
FA20060-17	32566	6.13	13227	6.69	25447	8.90
FA20060-18	33464	6.13	14077	6.69	25989	8.91
FA20060-19	35064	6.13	12642	6.69	28176	8.90
FA20060-21	33995	6.13	13679	6.69	27977	8.91
FA20060-22	33969	6.13	11437	6.69	27233	8.91
FA20060-23	34370	6.13	9962	6.69	27871	8.91
FA20060-24	35721	6.13	10241	6.68	28184	8.91

IS 1 = 13C2-PFOA
IS 2 = 13C4-PFOS
IS 3 = 13C2-PFDoDA

(a) Initial Cal is: SQ269-ICC269 Q7974.D 11/19/14 13:54. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to +50% of initial cal area.
(c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

Semivolatile Internal Standard Area Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Check Std:	SQ271-ICC271	**Injection Date:**	11/24/14
Lab File ID:	Q8200.D	**Injection Time:**	11:32
Instrument ID:	GCMSQ	**Method:**	EPA 537 MOD

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	25025	6.18	11186	6.74	18338	9.10
Check Std [b]	24991	6.18	11191	6.74	18033	9.10
Upper Limit [c]	37538	7.18	16779	7.74	27507	10.10
Lower Limit [d]	12513	5.18	5593	5.74	9169	8.10

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
OP53986-BS	24790	6.16	10627	6.73	20732	9.05
OP53986-MB	25397	6.16	10844	6.73	19568	9.05
ZZZZZZ	25921	6.16	10933	6.73	21833	8.98
ZZZZZZ	24791	6.16	10604	6.73	19118	9.03

IS 1 = 13C2-PFOA
IS 2 = 13C4-PFOS
IS 3 = 13C2-PFDoDA

(a) Initial Cal is: SQ271-ICC271 Q8200.D 11/24/14 11:32. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to +50% of initial cal area.
(c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

Semivolatile Internal Standard Area Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Check Std:	SQ271-CC271	**Injection Date:**	11/24/14
Lab File ID:	Q8216.D	**Injection Time:**	16:44
Instrument ID:	GCMSQ	**Method:**	EPA 537 MOD

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	25025	6.18	11186	6.74	18338	9.10
Check Std [b]	26173	6.16	11590	6.73	21260	9.03
Upper Limit [c]	37538	7.16	16779	7.73	27507	10.03
Lower Limit [d]	12513	5.16	5593	5.73	9169	8.03

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
ZZZZZZ	27010	6.17	11422	6.73	21979	9.05
ZZZZZZ	27478	6.16	11671	6.73	22227	9.03
ZZZZZZ	27981	6.16	11918	6.73	21800	9.05
ZZZZZZ	27544	6.17	11648	6.73	21822	9.05
ZZZZZZ	28385	6.17	11835	6.73	22574	9.05
ZZZZZZ	28352	6.17	11964	6.73	23471	9.05
FA20060-15	30049	6.17	12850	6.73	27109	9.05
ZZZZZZ	30545	6.17	11780	6.73	24994	9.06

IS 1 = 13C2-PFOA
IS 2 = 13C4-PFOS
IS 3 = 13C2-PFDoDA

(a) Initial Cal is: SQ271-ICC271 Q8200.D 11/24/14 11:32. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to +50% of initial cal area.
(c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

Semivolatile Internal Standard Area Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Check Std:	SQ271-CC271	**Injection Date:**	11/24/14
Lab File ID:	Q8228.D	**Injection Time:**	20:35
Instrument ID:	GCMSQ	**Method:**	EPA 537 MOD

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	25025	6.18	11186	6.74	18338	9.10
Check Std [b]	28378	6.17	12704	6.74	22674	9.07
Upper Limit [c]	37538	7.17	16779	7.74	27507	10.07
Lower Limit [d]	12513	5.17	5593	5.74	9169	8.07

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
ZZZZZZ	32768	6.17	13720	6.74	25665	9.07
ZZZZZZ	29295	6.17	12339	6.74	23592	9.06
ZZZZZZ	29400	6.17	12513	6.74	22629	9.06
ZZZZZZ	29913	6.18	12688	6.74	22727	9.06
ZZZZZZ	30449	6.18	12878	6.74	23529	9.06
ZZZZZZ	31378	6.18	13157	6.74	24539	9.06
FA20060-1	30254	6.18	13012	6.74	22994	9.05
FA20060-13	30044	6.18	12699	6.74	24285	9.06
FA20060-14	28903	6.18	11305	6.74	22676	9.07

IS 1 = 13C2-PFOA
IS 2 = 13C4-PFOS
IS 3 = 13C2-PFDoDA

(a) Initial Cal is: SQ271-ICC271 Q8200.D 11/24/14 11:32. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to +50% of initial cal area.
(c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

Semivolatile Internal Standard Area Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Check Std:	SQ272-CC271	**Injection Date:**	11/25/14
Lab File ID:	Q8250.D	**Injection Time:**	10:43
Instrument ID:	GCMSQ	**Method:**	EPA 537 MOD

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	25025	6.18	11186	6.74	18338	9.10
Check Std [b]	25614	6.20	12094	6.76	19972	9.11
Upper Limit [c]	37538	7.20	16779	7.76	27507	10.11
Lower Limit [d]	12513	5.20	5593	5.76	9169	8.11

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
OP53986-MS	27628	6.20	12647	6.76	19759	9.11
OP53986-MSD	28199	6.20	12766	6.76	20073	9.11
FA20066-1	25279	6.20	11487	6.76	19067	9.10
ZZZZZZ	24480	6.20	10463	6.76	20243	9.10
FA20060-14	25769	6.20	11402	6.76	19946	9.10
ZZZZZZ	27434	6.20	11987	6.76	19676	9.10
ZZZZZZ	26516	6.20	11658	6.76	19614	9.11
ZZZZZZ	27109	6.20	11762	6.76	19794	9.11
ZZZZZZ	26673	6.20	11712	6.76	19218	9.11

IS 1 = 13C2-PFOA
IS 2 = 13C4-PFOS
IS 3 = 13C2-PFDoDA

(a) Initial Cal is: SQ271-ICC271 Q8200.D 11/24/14 11:32. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to +50% of initial cal area.
(c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

Semivolatile Internal Standard Area Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Check Std:	SQ273-CC271	**Injection Date:**	11/26/14
Lab File ID:	Q8321.D	**Injection Time:**	16:52
Instrument ID:	GCMSQ	**Method:**	EPA 537 MOD

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	25025	6.18	11186	6.74	18338	9.10
Check Std [b]	27421	6.20	12748	6.77	34436*	9.13
Upper Limit [c]	37538	7.20	16779	7.77	27507	10.13
Lower Limit [d]	12513	5.20	5593	5.77	9169	8.13

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
FA20060-8	25924	6.20	12075	6.77	31721*	9.15
FA20060-16	27953	6.20	10759	6.77	30810*	9.15
FA20060-16	28646	6.20	12943	6.77	29780*	9.15
FA20060-19	28650	6.20	12906	6.77	33351*	9.15
FA20060-20	26700	6.20	12725	6.77	32360*	9.15
FA20060-22	29537	6.21	12854	6.77	34367*	9.15
FA20060-23	28671	6.20	12597	6.77	33793*	9.16
FA20060-24	28744	6.20	12374	6.77	33633*	9.15
OP53998-MS	28280	6.20	12320	6.77	33516*	9.15
OP53998-MSD	22578	6.20	9977	6.77	26859	9.16
SQ273-ECC271	27918	6.20	13278	6.77	35408*	9.15

IS 1 = 13C2-PFOA
IS 2 = 13C4-PFOS
IS 3 = 13C2-PFDoDA

(a) Initial Cal is: SQ271-ICC271 Q8200.D 11/24/14 11:32. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to +50% of initial cal area.
(c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

Semivolatile Internal Standard Area Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Check Std:	SQ277-CC276	**Injection Date:**	12/03/14
Lab File ID:	Q8458.D	**Injection Time:**	10:23
Instrument ID:	GCMSQ	**Method:**	EPA 537 MOD

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	24740	6.25	16002	6.83	41511	9.28
Check Std [b]	23820	6.27	12292	6.84	43763	9.31
Upper Limit [c]	37110	7.27	24003	7.84	62267	10.31
Lower Limit [d]	12370	5.27	8001	5.84	20756	8.31

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
OP53982-BS	27218	6.27	14339	6.84	50379	9.30
OP53982-MB	28731	6.26	14335	6.84	48190	9.31
ZZZZZZ	29309	6.26	14328	6.84	47517	9.31
ZZZZZZ	26055	6.26	13361	6.83	42246	9.30
ZZZZZZ	24797	6.26	12203	6.83	41688	9.29
ZZZZZZ	26441	6.25	13696	6.83	44857	9.29
ZZZZZZ	25348	6.25	12839	6.83	43724	9.29
ZZZZZZ	26555	6.25	13445	6.82	45537	9.27

IS 1 = 13C2-PFOA
IS 2 = 13C4-PFOS
IS 3 = 13C2-PFDoDA

(a) Initial Cal is: SQ276-ICC276 Q8402.D 12/02/14 17:46. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to +50% of initial cal area.
(c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

Semivolatile Internal Standard Area Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Check Std:	SQ277-CC276	**Injection Date:**	12/03/14
Lab File ID:	Q8469.D	**Injection Time:**	14:20
Instrument ID:	GCMSQ	**Method:**	EPA 537 MOD

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	24740	6.25	16002	6.83	41511	9.28
Check Std [b]	23690	6.25	12141	6.82	42510	9.27
Upper Limit [c]	37110	7.25	24003	7.82	62267	10.27
Lower Limit [d]	12370	5.25	8001	5.82	20756	8.27

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
ZZZZZZ	25330	6.25	12671	6.82	41228	9.20
ZZZZZZ	26410	6.25	13948	6.82	41976	9.13
ZZZZZZ	23713	6.25	12285	6.82	39486	9.13
ZZZZZZ	25452	6.25	13024	6.82	40532	9.13
ZZZZZZ	26682	6.25	13483	6.82	44402	9.15
ZZZZZZ	25344	6.25	12448	6.82	41943	9.15
FA20060-2	26205	6.25	13894	6.82	44029	9.15
FA20060-3	26575	6.25	14070	6.82	44178	9.15
FA20060-4	23893	6.25	12727	6.82	39634	9.15
FA20060-5	25721	6.25	13772	6.83	42650	9.15

IS 1 = 13C2-PFOA
IS 2 = 13C4-PFOS
IS 3 = 13C2-PFDoDA

(a) Initial Cal is: SQ276-ICC276 Q8402.D 12/02/14 17:46. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to +50% of initial cal area.
(c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

Semivolatile Internal Standard Area Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Check Std:	SQ277-CC276	**Injection Date:**	12/03/14
Lab File ID:	Q8481.D	**Injection Time:**	18:12
Instrument ID:	GCMSQ	**Method:**	EPA 537 MOD

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Initial Cal [a]	24740	6.25	16002	6.83	41511	9.28
Check Std [b]	22593	6.25	12510	6.83	39941	9.15
Upper Limit [c]	37110	7.25	24003	7.83	62267	10.15
Lower Limit [d]	12370	5.25	8001	5.83	20756	8.15

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
FA20060-6	28723	6.26	14943	6.83	46874	9.15
FA20060-7	26236	6.25	14384	6.83	43723	9.15
OP53982-MS	26625	6.25	14102	6.83	44199	9.15
OP53982-MSD	26102	6.25	14312	6.83	44188	9.15
ZZZZZZ	25344	6.26	12823	6.83	46687	9.16
ZZZZZZ	23568	6.26	12653	6.83	39694	9.16
ZZZZZZ	23220	6.26	12861	6.83	40929	9.16
ZZZZZZ	22664	6.26	12559	6.83	38861	9.15

IS 1 = 13C2-PFOA
IS 2 = 13C4-PFOS
IS 3 = 13C2-PFDoDA

(a) Initial Cal is: SQ276-ICC276 Q8402.D 12/02/14 17:46. Area is AVERAGE of initial cal points.
(b) Check Std Limit = -50 to +50% of initial cal area.
(c) Upper Limit = +50% of initial standard area; Retention time +1 minutes of check standard.
(d) Lower Limit = -50% of initial standard area; Retention time -1 minutes of check standard.

Semivolatile Surrogate Recovery Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Method: EPA 537 MOD **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA20060-1	Q8236.D	92	98
FA20060-13	Q8237.D	100	102
FA20060-14	Q8256.D	94	90
FA20060-14	Q8238.D	96	110
FA20060-15	Q8224.D	97	102
OP53986-BS	Q8212.D	110	112
OP53986-MB	Q8213.D	103	104
OP53986-MS	Q8252.D	0* [a]	0* [a]
OP53986-MSD	Q8253.D	0* [a]	0* [a]

Surrogate Compounds	Recovery Limits
S1 = 13C2-PFHxA	70-130%
S2 = 13C2-PFDA	70-130%

(a) Outside control limits due to dilution.

Semivolatile Surrogate Recovery Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Method: EPA 537 MOD **Matrix:** SO

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2
FA20060-2	Q8477.D	87	88
FA20060-3	Q8478.D	83	85
FA20060-4	Q8479.D	84	84
FA20060-5	Q8480.D	87	87
FA20060-6	Q8483.D	90	92
FA20060-7	Q8484.D	89	89
FA20060-8	Q8323.D	89	95
FA20060-9	Q8142.D	80	122
FA20060-10	Q8143.D	82	120
FA20060-11	Q8144.D	80	112
FA20060-12	Q8146.D	81	116
FA20060-16	Q8324.D	78	109
FA20060-16	Q8325.D	82	91
FA20060-17	Q8150.D	81	125
FA20060-18	Q8151.D	78	120
FA20060-19	Q8326.D	77	84
FA20060-19	Q8152.D	82	121
FA20060-20	Q8327.D	82	85
FA20060-21	Q8154.D	81	115
FA20060-22	Q8328.D	76	90
FA20060-22	Q8155.D	78	117
FA20060-23	Q8329.D	80	93
FA20060-23	Q8156.D	80	119
FA20060-24	Q8330.D	77	88
FA20060-24	Q8157.D	77	118
OP53982-BS	Q8459.D	92	91
OP53982-MB	Q8460.D	86	86
OP53982-MS	Q8485.D	86	86
OP53982-MSD	Q8486.D	82	81
OP53998-BS	Q8145.D	87	126
OP53998-MB	Q8139.D	75	121
OP53998-MS	Q8331.D	73	86
OP53998-MSD	Q8332.D	93	103

Surrogate Compounds	Recovery Limits
S1 = 13C2-PFHxA	70-130%
S2 = 13C2-PFDA	70-130%

Initial Calibration Summary

Job Number: FA20060 **Sample:** SQ269-ICC269
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q7974.D
Project: Griffis AFB; Rome, NY

Initial Calibration ReSponse Factors - D:\MassHunter\Data\1119_PFC_SQ269\sq269.batch.bin

Level ID : Calibration File
1 : D:\MassHunter\Data\1119_PFC_SQ269\Q7978.d
2 : D:\MassHunter\Data\1119_PFC_SQ269\Q7972.d
3 : D:\MassHunter\Data\1119_PFC_SQ269\Q7973.d
4 : D:\MassHunter\Data\1119_PFC_SQ269\Q7974.d
5 : D:\MassHunter\Data\1119_PFC_SQ269\Q7975.d
6 : D:\MassHunter\Data\1119_PFC_SQ269\Q7976.d
7 : D:\MassHunter\Data\1119_PFC_SQ269\Q7977.d

Compound	1	2	3	4	5	6	7	AvgRF	%RSD	r^2
2) 13C2-PFDoDA	----------ISTD----------									
1) 13C2-PFDA	0.6508	0.6404	0.6273	0.5963	0.5852	0.5765	0.5469	0.6033	6.231	0.9961
8) PFDA	0.6189	0.6016	0.5914	0.5600	0.5457	0.5405	0.5104	0.5669	6.794	0.9958
9) PFDoDA	0.9615	0.9369	0.9152	0.9093	0.9082	0.9178	0.9082	0.9224	2.163	0.9999
10) PFDS	0.1792	0.1790	0.1788	0.1729	0.1730	0.1737	0.1647	0.1745	2.984	0.9980
19) PFTeDA	0.5396	0.4192	0.4377	0.4085	0.4178	0.4261	0.4099	0.4370	10.605	0.9987
20) PFTrDA	0.7024	0.6331	0.6252	0.6109	0.6156	0.6252	0.6050	0.6311	5.212	0.9993
21) PFUnDA	0.7669	0.7095	0.7088	0.6874	0.6778	0.6824	0.6478	0.6972	5.330	0.9978
4) 13C2-PFOA	----------ISTD----------									
3) 13C2-PFHxA	0.2965	0.3176	0.3031	0.3003	0.2967	0.3008	0.3013	0.3023	2.366	0.9999
6) PFBA	0.2400	0.2773	0.2607	0.2648	0.2580	0.2753	0.2717	0.2639	4.859	0.9986
11) PFHpA	0.3274	0.3378	0.3121	0.3169	0.3079	0.3106	0.3085	0.3173	3.548	0.9997
13) PFHxA	0.3060	0.3303	0.3153	0.3158	0.3077	0.3149	0.3142	0.3149	2.492	0.9998
15) PFNA	0.4502	0.4598	0.4378	0.4416	0.4388	0.4506	0.4432	0.4460	1.774	0.9997
16) PFOA	1.2279	1.1136	1.0258	0.9966	0.9832	0.9865	0.9683	1.0431	9.091	0.9991
18) PFPeA	0.1103	0.1278	0.1227	0.1246	0.1224	0.1273	0.1285	0.1234	5.076	0.9991
5) 13C4-PFOS	----------ISTD----------									
7) PFBS	0.3698	0.3653	0.3544	0.3557	0.3425	0.3544	0.3584	0.3572	2.453	0.9993
12) PFHpS	0.6741	0.6727	0.6405	0.6541	0.6442	0.6463	0.6482	0.6543	2.089	0.9999
14) PFHxS	0.5483	0.5740	0.5465	0.5506	0.5368	0.5420	0.5481	0.5495	2.139	0.9998
17) PFOS	1.0110	1.0171	0.9826	0.9865	0.9730	0.9919	0.9849	0.9924	1.603	0.9999

*(value) - Average RF below (value)

Initial Calibration Verification

Job Number: FA20060 **Sample:** SQ269-ICV269
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q7979.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1119_PFC_SQ269\sq269.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1119_PFC_SQ269\Q7978.d
2:D:\MassHunter\Data\1119_PFC_SQ269\Q7972.d
3:D:\MassHunter\Data\1119_PFC_SQ269\Q7973.d
4:D:\MassHunter\Data\1119_PFC_SQ269\Q7974.d
5:D:\MassHunter\Data\1119_PFC_SQ269\Q7975.d
6:D:\MassHunter\Data\1119_PFC_SQ269\Q7976.d
7:D:\MassHunter\Data\1119_PFC_SQ269\Q7977.d

Data File: Q7979
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	0.000	0.0	0.0
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	0.000	0.0	0.0
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	0.000	0.0	0.0
PFBS	20.000	22.612	13.1	113.1
PFDA	20.000	0.000	0.0	0.0
PFDoDA	20.000	0.000	0.0	0.0
PFDS	20.000	0.000	0.0	0.0
PFHpA	20.000	18.329	-8.4	91.6
PFHpS	20.000	0.000	0.0	0.0
PFHxA	20.000	0.000	0.0	0.0
PFHxS	20.000	21.101	5.5	105.5
PFNA	20.000	20.596	3.0	103.0
PFOA	20.000	19.839	-0.8	99.2
PFOS	20.000	18.852	-5.7	94.3
PFPeA	20.000	0.000	0.0	0.0
PFTeDA	20.000	0.000	0.0	0.0
PFTrDA	20.000	0.000	0.0	0.0
PFUnDA	20.000	0.000	0.0	0.0

CC Criteria: +/- 25%

Initial Calibration Verification

Job Number: FA20060 **Sample:** SQ269-ICV269
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q7980.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1119_PFC_SQ269\sq269.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1119_PFC_SQ269\Q7978.d
2:D:\MassHunter\Data\1119_PFC_SQ269\Q7972.d
3:D:\MassHunter\Data\1119_PFC_SQ269\Q7973.d
4:D:\MassHunter\Data\1119_PFC_SQ269\Q7974.d
5:D:\MassHunter\Data\1119_PFC_SQ269\Q7975.d
6:D:\MassHunter\Data\1119_PFC_SQ269\Q7976.d
7:D:\MassHunter\Data\1119_PFC_SQ269\Q7977.d

Data File: Q7980
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	0.000	0.0	0.0
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	0.000	0.0	0.0
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	20.933	4.7	104.7
PFBS	20.000	22.382	11.9	111.9
PFDA	20.000	24.834	24.2	124.2
PFDoDA	20.000	22.196	11.0	111.0
PFDS	20.000	23.201	16.0	116.0
PFHpA	20.000	21.830	9.2	109.2
PFHpS	20.000	0.000	0.0	0.0
PFHxA	20.000	22.123	10.6	110.6
PFHxS	20.000	22.410	12.0	112.0
PFNA	20.000	21.714	8.6	108.6
PFOA	20.000	22.449	12.2	112.2
PFOS	20.000	22.936	14.7	114.7
PFPeA	20.000	21.170	5.9	105.9
PFTeDA	20.000	22.113	10.6	110.6
PFTrDA	20.000	22.640	13.2	113.2
PFUnDA	20.000	23.794	19.0	119.0

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ270-CC269
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8136.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1121_PFC_SQ270\sq270.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1119_PFC_SQ269\Q7978.d
2:D:\MassHunter\Data\1119_PFC_SQ269\Q7972.d
3:D:\MassHunter\Data\1119_PFC_SQ269\Q7973.d
4:D:\MassHunter\Data\1119_PFC_SQ269\Q7974.d
5:D:\MassHunter\Data\1119_PFC_SQ269\Q7975.d
6:D:\MassHunter\Data\1119_PFC_SQ269\Q7976.d
7:D:\MassHunter\Data\1119_PFC_SQ269\Q7977.d

Data File: Q8136
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	28.806	# 44.0	144.0
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	18.753	-6.2	93.8
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	17.012	-14.9	85.1
PFBS	20.000	19.203	-4.0	96.0
PFDA	20.000	28.217	# 41.1	141.1
PFDoDA	20.000	19.698	-1.5	98.5
PFDS	20.000	27.216	# 36.1	136.1
PFHpA	20.000	19.519	-2.4	97.6
PFHpS	20.000	19.847	-0.8	99.2
PFHxA	20.000	18.689	-6.6	93.4
PFHxS	20.000	19.783	-1.1	98.9
PFNA	20.000	19.321	-3.4	96.6
PFOA	20.000	20.379	1.9	101.9
PFOS	20.000	19.967	-0.2	99.8
PFPeA	20.000	17.568	-12.2	87.8
PFTeDA	20.000	24.524	22.6	122.6
PFTrDA	20.000	25.946	# 29.7	129.7
PFUnDA	20.000	28.542	# 42.7	142.7

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ270-CC269
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8148.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1121_PFC_SQ270\sq270.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1119_PFC_SQ269\Q7978.d
2:D:\MassHunter\Data\1119_PFC_SQ269\Q7972.d
3:D:\MassHunter\Data\1119_PFC_SQ269\Q7973.d
4:D:\MassHunter\Data\1119_PFC_SQ269\Q7974.d
5:D:\MassHunter\Data\1119_PFC_SQ269\Q7975.d
6:D:\MassHunter\Data\1119_PFC_SQ269\Q7976.d
7:D:\MassHunter\Data\1119_PFC_SQ269\Q7977.d

Data File: Q8148
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	27.893	# 39.5	139.5
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	18.256	-8.7	91.3
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	15.953	-20.2	79.8
PFBS	20.000	20.109	0.5	100.5
PFDA	20.000	27.385	# 36.9	136.9
PFDoDA	20.000	19.340	-3.3	96.7
PFDS	20.000	27.607	# 38.0	138.0
PFHpA	20.000	19.144	-4.3	95.7
PFHpS	20.000	19.654	-1.7	98.3
PFHxA	20.000	18.028	-9.9	90.1
PFHxS	20.000	19.708	-1.5	98.5
PFNA	20.000	19.207	-4.0	96.0
PFOA	20.000	19.812	-0.9	99.1
PFOS	20.000	19.564	-2.2	97.8
PFPeA	20.000	17.040	-14.8	85.2
PFTeDA	20.000	22.187	10.9	110.9
PFTrDA	20.000	24.492	22.5	122.5
PFUnDA	20.000	27.520	# 37.6	137.6

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ270-CC269
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8160.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1121_PFC_SQ270\sq270.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1119_PFC_SQ269\Q7978.d
2:D:\MassHunter\Data\1119_PFC_SQ269\Q7972.d
3:D:\MassHunter\Data\1119_PFC_SQ269\Q7973.d
4:D:\MassHunter\Data\1119_PFC_SQ269\Q7974.d
5:D:\MassHunter\Data\1119_PFC_SQ269\Q7975.d
6:D:\MassHunter\Data\1119_PFC_SQ269\Q7976.d
7:D:\MassHunter\Data\1119_PFC_SQ269\Q7977.d

Data File: Q8160
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	25.811	# 29.1	129.1
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	18.433	-7.8	92.2
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	15.962	-20.2	79.8
PFBS	20.000	19.777	-1.1	98.9
PFDA	20.000	25.109	# 25.5	125.5
PFDoDA	20.000	19.437	-2.8	97.2
PFDS	20.000	26.440	# 32.2	132.2
PFHpA	20.000	19.355	-3.2	96.8
PFHpS	20.000	19.522	-2.4	97.6
PFHxA	20.000	18.188	-9.1	90.9
PFHxS	20.000	19.506	-2.5	97.5
PFNA	20.000	19.390	-3.0	97.0
PFOA	20.000	19.794	-1.0	99.0
PFOS	20.000	19.507	-2.5	97.5
PFPeA	20.000	17.050	-14.7	85.3
PFTeDA	20.000	21.986	9.9	109.9
PFTrDA	20.000	24.734	23.7	123.7
PFUnDA	20.000	26.347	# 31.7	131.7

CC Criteria: +/- 25%

Initial Calibration Summary

Job Number: FA20060 **Sample:** SQ271-ICC271
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8200.D
Project: Griffis AFB; Rome, NY

Initial Calibration ReSponse Factors - D:\MassHunter\Data\1124_PFC_SQ271\sq271.batch.bin

Level ID : Calibration File
1 : D:\MassHunter\Data\1124_PFC_SQ271\Q8197.d
2 : D:\MassHunter\Data\1124_PFC_SQ271\Q8198.d
3 : D:\MassHunter\Data\1124_PFC_SQ271\Q8199.d
4 : D:\MassHunter\Data\1124_PFC_SQ271\Q8200.d
5 : D:\MassHunter\Data\1124_PFC_SQ271\Q8201.d
6 : D:\MassHunter\Data\1124_PFC_SQ271\Q8202.d
7 : D:\MassHunter\Data\1124_PFC_SQ271\Q8203.d

Compound	1	2	3	4	5	6	7	AvgRF	%RSD	r^2
2) 13C2-PFDoDA	----------ISTD----------									
8) PFDA	0.8138	0.7040	0.6494	0.7001	0.6932	0.7009	0.7663	0.7182	7.550	0.9956
9) PFDoDA	0.9981	0.8810	0.8483	0.8794	0.8985	0.9190	1.0186	0.9204	6.956	0.9905
10) PFDS	0.3127	0.2764	0.2589	0.2806	0.2751	0.2766	0.3006	0.2830	6.332	0.9950
19) PFTeDA	0.5793	0.4904	0.4526	0.4948	0.5068	0.5239	0.5771	0.5178	8.987	0.9920
20) PFTrDA	0.9079	0.7986	0.7276	0.8067	0.8383	0.8539	0.9519	0.8407	8.791	0.9911
21) PFUnDA	1.0737	0.9237	0.9145	0.9683	0.9939	1.0268	1.1634	1.0092	8.718	0.9977
4) 13C2-PFOA	----------ISTD----------									
3) 13C2-PFHxA	0.3041	0.2709	0.2666	0.2761	0.2872	0.2818	0.3195	0.2866	6.630	0.9935
6) PFBA	0.2466	0.2101	0.2074	0.2171	0.2250	0.2207	0.2467	0.2248	7.151	0.9918
11) PFHpA	0.3358	0.2991	0.2808	0.2907	0.3054	0.2989	0.3372	0.3068	7.066	0.9903
13) PFHxA	0.3318	0.2902	0.2785	0.2891	0.3015	0.2969	0.3368	0.3035	7.333	0.9931
15) PFNA	0.4732	0.4116	0.4052	0.4061	0.4365	0.4304	0.4965	0.4371	8.093	0.9905
16) PFOA	1.3348	1.0518	0.9754	0.9700	0.9875	0.9769	1.1062	1.0575	12.516	0.9921
18) PFPeA	0.1138	0.1013	0.0993	0.1036	0.1091	0.1081	0.1222	0.1082	7.322	0.9924
5) 13C4-PFOS	----------ISTD----------									
1) 13C2-PFDA	1.3399	1.1503	1.1614	1.1748	1.1968	1.2719	1.3727	1.2383	7.294	0.9910
7) PFBS	0.4009	0.3461	0.3372	0.3533	0.3465	0.3655	0.3819	0.3616	6.288	0.9961
12) PFHpS	0.7336	0.6510	0.6258	0.6447	0.6230	0.6528	0.6903	0.6602	5.944	0.9959
14) PFHxS	0.6154	0.5457	0.5317	0.5385	0.5302	0.5505	0.5899	0.5574	5.845	0.9949
17) PFOS	1.1246	0.9707	0.9394	0.9700	0.9667	0.9999	1.0922	1.0091	7.007	0.9924

*(value) - Average RF below (value)

Initial Calibration Verification

Job Number: FA20060 **Sample:** SQ271-ICV271
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8204.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1124_PFC_SQ271\sq271.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1124_PFC_SQ271\Q8197.d
2:D:\MassHunter\Data\1124_PFC_SQ271\Q8198.d
3:D:\MassHunter\Data\1124_PFC_SQ271\Q8199.d
4:D:\MassHunter\Data\1124_PFC_SQ271\Q8200.d
5:D:\MassHunter\Data\1124_PFC_SQ271\Q8201.d
6:D:\MassHunter\Data\1124_PFC_SQ271\Q8202.d
7:D:\MassHunter\Data\1124_PFC_SQ271\Q8203.d

Data File: Q8204
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	0.000		
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	0.000		
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	21.316	6.6	106.6
PFBS	20.000	22.904	14.5	114.5
PFDA	20.000	22.839	14.2	114.2
PFDoDA	20.000	22.825	14.1	114.1
PFDS	20.000	21.356	6.8	106.8
PFHpA	20.000	21.623	8.1	108.1
PFHpS	20.000			
PFHxA	20.000	22.278	11.4	111.4
PFHxS	20.000	22.372	11.9	111.9
PFNA	20.000	21.863	9.3	109.3
PFOA	20.000	22.411	12.1	112.1
PFOS	20.000	22.373	11.9	111.9
PFPeA	20.000	22.975	14.9	114.9
PFTeDA	20.000	23.318	16.6	116.6
PFTrDA	20.000	22.941	14.7	114.7
PFUnDA	20.000	24.377	21.9	121.9

CC Criteria: +/- 25%

Initial Calibration Verification

Job Number: FA20060 **Sample:** SQ271-ICV271
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8205.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1124_PFC_SQ271\sq271.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1124_PFC_SQ271\Q8197.d
2:D:\MassHunter\Data\1124_PFC_SQ271\Q8198.d
3:D:\MassHunter\Data\1124_PFC_SQ271\Q8199.d
4:D:\MassHunter\Data\1124_PFC_SQ271\Q8200.d
5:D:\MassHunter\Data\1124_PFC_SQ271\Q8201.d
6:D:\MassHunter\Data\1124_PFC_SQ271\Q8202.d
7:D:\MassHunter\Data\1124_PFC_SQ271\Q8203.d

Data File: Q8205
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	0.000		
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	0.000		
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	0.000		
PFBS	20.000	20.927	4.6	104.6
PFDA	20.000	0.000		
PFDoDA	20.000	0.000		
PFDS	20.000	0.000		
PFHpA	20.000	17.172	-14.1	85.9
PFHpS	20.000	0.000		
PFHxA	20.000	0.000		
PFHxS	20.000	20.141	0.7	100.7
PFNA	20.000	19.754	-1.2	98.8
PFOA	20.000	18.230	-8.8	91.2
PFOS	20.000	17.825	-10.9	89.1
PFPeA	20.000	0.000		
PFTeDA	20.000	0.000		
PFTrDA	20.000	0.000		
PFUnDA	20.000	0.000		

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ271-CC271
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8216.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1124_PFC_SQ271\sq271.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1124_PFC_SQ271\Q8197.d
2:D:\MassHunter\Data\1124_PFC_SQ271\Q8198.d
3:D:\MassHunter\Data\1124_PFC_SQ271\Q8199.d
4:D:\MassHunter\Data\1124_PFC_SQ271\Q8200.d
5:D:\MassHunter\Data\1124_PFC_SQ271\Q8201.d
6:D:\MassHunter\Data\1124_PFC_SQ271\Q8202.d
7:D:\MassHunter\Data\1124_PFC_SQ271\Q8203.d

Data File: Q8216
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	19.684	-1.6	98.4
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	18.457	-7.7	92.3
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	18.303	-8.5	91.5
PFBS	20.000	18.809	-6.0	94.0
PFDA	20.000	18.483	-7.6	92.4
PFDoDA	20.000	18.680	-6.6	93.4
PFDS	20.000	17.043	-14.8	85.2
PFHpA	20.000	18.513	-7.4	92.6
PFHpS	20.000	19.373	-3.1	96.9
PFHxA	20.000	18.382	-8.1	91.9
PFHxS	20.000	18.704	-6.5	93.5
PFNA	20.000	19.100	-4.5	95.5
PFOA	20.000	18.804	-6.0	94.0
PFOS	20.000	18.903	-5.5	94.5
PFPeA	20.000	18.303	-8.5	91.5
PFTeDA	20.000	17.696	-11.5	88.5
PFTrDA	20.000	17.669	-11.7	88.3
PFUnDA	20.000	21.212	6.1	106.1

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ271-CC271
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8228.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1124_PFC_SQ271\sq271.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1124_PFC_SQ271\Q8197.d
2:D:\MassHunter\Data\1124_PFC_SQ271\Q8198.d
3:D:\MassHunter\Data\1124_PFC_SQ271\Q8199.d
4:D:\MassHunter\Data\1124_PFC_SQ271\Q8200.d
5:D:\MassHunter\Data\1124_PFC_SQ271\Q8201.d
6:D:\MassHunter\Data\1124_PFC_SQ271\Q8202.d
7:D:\MassHunter\Data\1124_PFC_SQ271\Q8203.d

Data File: Q8228
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	19.290	-3.5	96.5
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	18.336	-8.3	91.7
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	17.905	-10.5	89.5
PFBS	20.000	18.582	-7.1	92.9
PFDA	20.000	18.461	-7.7	92.3
PFDoDA	20.000	18.584	-7.1	92.9
PFDS	20.000	18.255	-8.7	91.3
PFHpA	20.000	18.390	-8.1	91.9
PFHpS	20.000	19.062	-4.7	95.3
PFHxA	20.000	18.456	-7.7	92.3
PFHxS	20.000	18.486	-7.6	92.4
PFNA	20.000	18.907	-5.5	94.5
PFOA	20.000	18.614	-6.9	93.1
PFOS	20.000	18.928	-5.4	94.6
PFPeA	20.000	18.870	-5.6	94.4
PFTeDA	20.000	18.181	-9.1	90.9
PFTrDA	20.000	18.336	-8.3	91.7
PFUnDA	20.000	21.280	6.4	106.4

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ271-CC271
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8240.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1124_PFC_SQ271\sq271.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1124_PFC_SQ271\Q8197.d
2:D:\MassHunter\Data\1124_PFC_SQ271\Q8198.d
3:D:\MassHunter\Data\1124_PFC_SQ271\Q8199.d
4:D:\MassHunter\Data\1124_PFC_SQ271\Q8200.d
5:D:\MassHunter\Data\1124_PFC_SQ271\Q8201.d
6:D:\MassHunter\Data\1124_PFC_SQ271\Q8202.d
7:D:\MassHunter\Data\1124_PFC_SQ271\Q8203.d

Data File: Q8240
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	18.794	-6.0	94.0
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	18.795	-6.0	94.0
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	18.360	-8.2	91.8
PFBS	20.000	18.786	-6.1	93.9
PFDA	20.000	18.493	-7.5	92.5
PFDoDA	20.000	18.301	-8.5	91.5
PFDS	20.000	18.705	-6.5	93.5
PFHpA	20.000	18.805	-6.0	94.0
PFHpS	20.000	19.281	-3.6	96.4
PFHxA	20.000	18.755	-6.2	93.8
PFHxS	20.000	18.949	-5.3	94.7
PFNA	20.000	18.489	-7.6	92.4
PFOA	20.000	18.646	-6.8	93.2
PFOS	20.000	19.410	-3.0	97.0
PFPeA	20.000	18.631	-6.8	93.2
PFTeDA	20.000	18.034	-9.8	90.2
PFTrDA	20.000	17.265	-13.7	86.3
PFUnDA	20.000	21.527	7.6	107.6

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ272-CC271
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8250.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1125_PFC_SQ272\SQ272.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1119_PFC_SQ269\Q7978.d
2:D:\MassHunter\Data\1119_PFC_SQ269\Q7972.d
3:D:\MassHunter\Data\1119_PFC_SQ269\Q7973.d
4:D:\MassHunter\Data\1119_PFC_SQ269\Q7974.d
5:D:\MassHunter\Data\1119_PFC_SQ269\Q7975.d
6:D:\MassHunter\Data\1119_PFC_SQ269\Q7976.d
7:D:\MassHunter\Data\1119_PFC_SQ269\Q7977.d

Data File: Q8250
Type : QC
Level : 3

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	10.000	8.086	-19.1	80.9
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	10.000	9.300	-7.0	93.0
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	10.000	7.854	-21.5	78.5
PFBS	10.000	9.268	-7.3	92.7
PFDA	10.000	11.863	18.6	118.6
PFDoDA	10.000	9.428	-5.7	94.3
PFDS	10.000	16.162	# 61.6	161.6
PFHpA	10.000	9.735	-2.7	97.3
PFHpS	10.000	9.678	-3.2	96.8
PFHxA	10.000	9.228	-7.7	92.3
PFHxS	10.000	9.559	-4.4	95.6
PFNA	10.000	9.038	-9.6	90.4
PFOA	10.000	9.979	-0.2	99.8
PFOS	10.000	9.812	-1.9	98.1
PFPeA	10.000	8.306	-16.9	83.1
PFTeDA	10.000	11.137	11.4	111.4
PFTrDA	10.000	11.445	14.4	114.4
PFUnDA	10.000	13.468	# 34.7	134.7

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ272-CC271
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8261.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1125_PFC_SQ272\SQ272.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1119_PFC_SQ269\Q7978.d
2:D:\MassHunter\Data\1119_PFC_SQ269\Q7972.d
3:D:\MassHunter\Data\1119_PFC_SQ269\Q7973.d
4:D:\MassHunter\Data\1119_PFC_SQ269\Q7974.d
5:D:\MassHunter\Data\1119_PFC_SQ269\Q7975.d
6:D:\MassHunter\Data\1119_PFC_SQ269\Q7976.d
7:D:\MassHunter\Data\1119_PFC_SQ269\Q7977.d

Data File: Q8261
Type : QC
Level : 3

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	10.000	8.516	-14.8	85.2
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	10.000	8.841	-11.6	88.4
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	10.000	7.375	# -26.2	73.8
PFBS	10.000	9.216	-7.8	92.2
PFDA	10.000	11.870	18.7	118.7
PFDoDA	10.000	9.402	-6.0	94.0
PFDS	10.000	15.165	# 51.7	151.7
PFHpA	10.000	9.346	-6.5	93.5
PFHpS	10.000	9.573	-4.3	95.7
PFHxA	10.000	8.846	-11.5	88.5
PFHxS	10.000	9.362	-6.4	93.6
PFNA	10.000	9.149	-8.5	91.5
PFOA	10.000	9.892	-1.1	98.9
PFOS	10.000	9.685	-3.1	96.9
PFPeA	10.000	7.763	-22.4	77.6
PFTeDA	10.000	10.885	8.8	108.8
PFTrDA	10.000	11.155	11.6	111.6
PFUnDA	10.000	14.294	# 42.9	142.9

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ273-CC271
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8321.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1126_PFC_SQ273\SQ273.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1124_PFC_SQ271\Q8197.d
2:D:\MassHunter\Data\1124_PFC_SQ271\Q8198.d
3:D:\MassHunter\Data\1124_PFC_SQ271\Q8199.d
4:D:\MassHunter\Data\1124_PFC_SQ271\Q8200.d
5:D:\MassHunter\Data\1124_PFC_SQ271\Q8201.d
6:D:\MassHunter\Data\1124_PFC_SQ271\Q8202.d
7:D:\MassHunter\Data\1124_PFC_SQ271\Q8203.d

Data File: Q8321
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	19.197	-4.0	96.0
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	17.982	-10.1	89.9
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	16.669	-16.7	83.3
PFBS	20.000	16.948	-15.3	84.7
PFDA	20.000	12.231	# -38.8	61.2
PFDoDA	20.000	13.017	# -34.9	65.1
PFDS	20.000	12.608	# -37.0	63.0
PFHpA	20.000	18.520	-7.4	92.6
PFHpS	20.000	19.604	-2.0	98.0
PFHxA	20.000	17.850	-10.8	89.2
PFHxS	20.000	18.676	-6.6	93.4
PFNA	20.000	18.932	-5.3	94.7
PFOA	20.000	19.134	-4.3	95.7
PFOS	20.000	19.682	-1.6	98.4
PFPeA	20.000	17.868	-10.7	89.3
PFTeDA	20.000	13.249	# -33.8	66.2
PFTrDA	20.000	12.440	# -37.8	62.2
PFUnDA	20.000	14.656	# -26.7	73.3

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ273-ECC271
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8333.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1126_PFC_SQ273\SQ273.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1124_PFC_SQ271\Q8197.d
2:D:\MassHunter\Data\1124_PFC_SQ271\Q8198.d
3:D:\MassHunter\Data\1124_PFC_SQ271\Q8199.d
4:D:\MassHunter\Data\1124_PFC_SQ271\Q8200.d
5:D:\MassHunter\Data\1124_PFC_SQ271\Q8201.d
6:D:\MassHunter\Data\1124_PFC_SQ271\Q8202.d
7:D:\MassHunter\Data\1124_PFC_SQ271\Q8203.d

Data File: Q8333
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	19.400	-3.0	97.0
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	18.080	-9.6	90.4
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	17.228	-13.9	86.1
PFBS	20.000	17.022	-14.9	85.1
PFDA	20.000	12.365	# -38.2	61.8
PFDoDA	20.000	12.982	# -35.1	64.9
PFDS	20.000	12.931	# -35.3	64.7
PFHpA	20.000	18.855	-5.7	94.3
PFHpS	20.000	19.368	-3.2	96.8
PFHxA	20.000	18.078	-9.6	90.4
PFHxS	20.000	18.418	-7.9	92.1
PFNA	20.000	19.445	-2.8	97.2
PFOA	20.000	19.353	-3.2	96.8
PFOS	20.000	19.595	-2.0	98.0
PFPeA	20.000	18.397	-8.0	92.0
PFTeDA	20.000	13.286	# -33.6	66.4
PFTrDA	20.000	12.460	# -37.7	62.3
PFUnDA	20.000	14.836	# -25.8	74.2

CC Criteria: +/- 25%

Initial Calibration Summary

Job Number: FA20060 **Sample:** SQ276-ICC276
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8402.D
Project: Griffis AFB; Rome, NY

Initial Calibration ReSponse Factors - D:\MassHunter\Data\1202_PFC_SQ276\SQ276.batch.bin

Level ID : Calibration File
1 : D:\MassHunter\Data\1202_PFC_SQ276\Q8399.d
2 : D:\MassHunter\Data\1202_PFC_SQ276\Q8400.d
3 : D:\MassHunter\Data\1202_PFC_SQ276\Q8401.d
4 : D:\MassHunter\Data\1202_PFC_SQ276\Q8402.d
6 : D:\MassHunter\Data\1202_PFC_SQ276\Q8404.d
7 : D:\MassHunter\Data\1202_PFC_SQ276\Q8405.d

Compound	1	2	3	4	6	7	5	AvgRF	%RSD	r^2
2) 13C2-PFDoDA	----------ISTD----------									
8) PFDA	0.3598	0.3654	0.3458	0.3232	0.3070	0.3123	-----	0.3356	7.411	0.9984
9) PFDoDA	0.4696	0.4665	0.4565	0.4484	0.4431	0.4588	-----	0.4571	2.228	0.9994
10) PFDS	0.2114	0.2154	0.2062	0.2000	0.1937	0.1983	-----	0.2042	4.065	0.9994
19) PFTeDA	0.2896	0.2884	0.2912	0.2848	0.2852	0.2943	-----	0.2889	1.251	0.9994
20) PFTrDA	0.4456	0.4430	0.4363	0.4209	0.4161	0.4302	-----	0.4320	2.746	0.9994
21) PFUnDA	0.4616	0.4600	0.4422	0.4393	0.4383	0.4618	-----	0.4505	2.598	0.9985
4) 13C2-PFOA	----------ISTD----------									
1) 13C2-PFDA	0.5841	0.5780	0.5844	0.5768	0.5899	0.6039	-----	0.5862	1.685	0.9994
3) 13C2-PFHxA	0.2865	0.2870	0.2794	0.2727	0.2767	0.2800	-----	0.2804	1.985	0.9998
6) PFBA	0.2306	0.2249	0.2202	0.2123	0.2244	0.2290	-----	0.2236	2.974	0.9989
11) PFHpA	0.3365	0.3254	0.3173	0.3075	0.3056	0.3125	-----	0.3175	3.701	0.9996
13) PFHxA	0.3076	0.2984	0.2938	0.2908	0.2883	0.2947	-----	0.2956	2.306	0.9997
15) PFNA	0.4467	0.4281	0.4270	0.4299	0.4356	0.4566	-----	0.4373	2.719	0.9985
16) PFOA	1.1754	1.0660	1.0468	1.0007	0.9905	1.0344	-----	1.0523	6.330	0.9988
18) PFPeA	0.1080	0.1072	0.1061	0.1072	0.1082	0.1106	-----	0.1079	1.434	0.9996
5) 13C4-PFOS	----------ISTD----------									
7) PFBS	0.3426	0.3343	0.3268	0.3316	0.3169	0.3311	-----	0.3305	2.567	0.9990
12) PFHpS	0.6631	0.6717	0.6534	0.6485	0.6182	0.6365	-----	0.6486	2.960	0.9993
14) PFHxS	0.5627	0.5459	0.5348	0.5268	0.5045	0.5182	-----	0.5322	3.863	0.9993
17) PFOS	1.0302	1.0214	1.0133	1.0038	0.9809	1.0344	-----	1.0140	1.940	0.9986

*(value) - Average RF below (value)

Initial Calibration Verification

Job Number: FA20060 **Sample:** SQ276-ICV276
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8406.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1202_PFC_SQ276\SQ276.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1202_PFC_SQ276\Q8399.d
2:D:\MassHunter\Data\1202_PFC_SQ276\Q8400.d
3:D:\MassHunter\Data\1202_PFC_SQ276\Q8401.d
4:D:\MassHunter\Data\1202_PFC_SQ276\Q8402.d
6:D:\MassHunter\Data\1202_PFC_SQ276\Q8404.d
7:D:\MassHunter\Data\1202_PFC_SQ276\Q8405.d

Data File: Q8406
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	0.000		
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	0.000		
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	19.789	-1.1	98.9
PFBS	20.000	20.830	4.1	104.1
PFDA	20.000	23.196	16.0	116.0
PFDoDA	20.000	21.652	8.3	108.3
PFDS	20.000	21.221	6.1	106.1
PFHpA	20.000	20.299	1.5	101.5
PFHpS	20.000	0.000		
PFHxA	20.000	20.859	4.3	104.3
PFHxS	20.000	21.256	6.3	106.3
PFNA	20.000	19.705	-1.5	98.5
PFOA	20.000	20.789	3.9	103.9
PFOS	20.000	20.975	4.9	104.9
PFPeA	20.000	20.064	0.3	100.3
PFTeDA	20.000	21.977	9.9	109.9
PFTrDA	20.000	21.748	8.7	108.7
PFUnDA	20.000	22.226	11.1	111.1

CC Criteria: +/- 25%

Initial Calibration Verification

Job Number: FA20060 **Sample:** SQ276-ICV276
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8407.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1202_PFC_SQ276\SQ276.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1202_PFC_SQ276\Q8399.d
2:D:\MassHunter\Data\1202_PFC_SQ276\Q8400.d
3:D:\MassHunter\Data\1202_PFC_SQ276\Q8401.d
4:D:\MassHunter\Data\1202_PFC_SQ276\Q8402.d
6:D:\MassHunter\Data\1202_PFC_SQ276\Q8404.d
7:D:\MassHunter\Data\1202_PFC_SQ276\Q8405.d

Data File: Q8407
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	0.000		
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	0.000		
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	0.000		
PFBS	20.000	22.621	13.1	113.1
PFDA	20.000	0.000		
PFDoDA	20.000	0.000		
PFDS	20.000	0.000		
PFHpA	20.000	18.152	-9.2	90.8
PFHpS	20.000	0.000		
PFHxA	20.000	0.000		
PFHxS	20.000	22.030	10.1	110.1
PFNA	20.000	20.105	0.5	100.5
PFOA	20.000	19.278	-3.6	96.4
PFOS	20.000	20.186	0.9	100.9
PFPeA	20.000	0.000		
PFTeDA	20.000	0.000		
PFTrDA	20.000	0.000		
PFUnDA	20.000	0.000		

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ277-CC276
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8458.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1203_PFC_SQ277\SQ277.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1202_PFC_SQ276\Q8399.d
2:D:\MassHunter\Data\1202_PFC_SQ276\Q8400.d
3:D:\MassHunter\Data\1202_PFC_SQ276\Q8401.d
4:D:\MassHunter\Data\1202_PFC_SQ276\Q8402.d
6:D:\MassHunter\Data\1202_PFC_SQ276\Q8404.d
7:D:\MassHunter\Data\1202_PFC_SQ276\Q8405.d

Data File: Q8458
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	21.429	7.1	107.1
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	21.619	8.1	108.1
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	20.333	1.7	101.7
PFBS	20.000	19.093	-4.5	95.5
PFDA	20.000	21.219	6.1	106.1
PFDoDA	20.000	20.466	2.3	102.3
PFDS	20.000	14.957	# -25.2	74.8
PFHpA	20.000	20.682	3.4	103.4
PFHpS	20.000	20.099	0.5	100.5
PFHxA	20.000	21.394	7.0	107.0
PFHxS	20.000	20.545	2.7	102.7
PFNA	20.000	21.132	5.7	105.7
PFOA	20.000	20.514	2.6	102.6
PFOS	20.000	20.210	1.0	101.0
PFPeA	20.000	20.363	1.8	101.8
PFTeDA	20.000	18.789	-6.1	93.9
PFTrDA	20.000	19.277	-3.6	96.4
PFUnDA	20.000	20.081	0.4	100.4

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ277-CC276
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8469.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1203_PFC_SQ277\SQ277.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1202_PFC_SQ276\Q8399.d
2:D:\MassHunter\Data\1202_PFC_SQ276\Q8400.d
3:D:\MassHunter\Data\1202_PFC_SQ276\Q8401.d
4:D:\MassHunter\Data\1202_PFC_SQ276\Q8402.d
6:D:\MassHunter\Data\1202_PFC_SQ276\Q8404.d
7:D:\MassHunter\Data\1202_PFC_SQ276\Q8405.d

Data File: Q8469
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	21.515	7.6	107.6
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	20.158	0.8	100.8
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	19.595	-2.0	98.0
PFBS	20.000	19.638	-1.8	98.2
PFDA	20.000	21.492	7.5	107.5
PFDoDA	20.000	20.166	0.8	100.8
PFDS	20.000	15.189	-24.1	75.9
PFHpA	20.000	20.257	1.3	101.3
PFHpS	20.000	20.473	2.4	102.4
PFHxA	20.000	20.271	1.4	101.4
PFHxS	20.000	20.363	1.8	101.8
PFNA	20.000	21.158	5.8	105.8
PFOA	20.000	20.089	0.4	100.4
PFOS	20.000	20.259	1.3	101.3
PFPeA	20.000	20.155	0.8	100.8
PFTeDA	20.000	18.137	-9.3	90.7
PFTrDA	20.000	19.074	-4.6	95.4
PFUnDA	20.000	20.684	3.4	103.4

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ277-CC276
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8481.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1203_PFC_SQ277\SQ277.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1202_PFC_SQ276\Q8399.d
2:D:\MassHunter\Data\1202_PFC_SQ276\Q8400.d
3:D:\MassHunter\Data\1202_PFC_SQ276\Q8401.d
4:D:\MassHunter\Data\1202_PFC_SQ276\Q8402.d
6:D:\MassHunter\Data\1202_PFC_SQ276\Q8404.d
7:D:\MassHunter\Data\1202_PFC_SQ276\Q8405.d

Data File: Q8481
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	20.738	3.7	103.7
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	20.233	1.2	101.2
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	20.807	4.0	104.0
PFBS	20.000	19.850	-0.8	99.2
PFDA	20.000	21.144	5.7	105.7
PFDoDA	20.000	20.159	0.8	100.8
PFDS	20.000	16.336	-18.3	81.7
PFHpA	20.000	20.360	1.8	101.8
PFHpS	20.000	21.111	5.6	105.6
PFHxA	20.000	20.622	3.1	103.1
PFHxS	20.000	20.347	1.7	101.7
PFNA	20.000	20.347	1.7	101.7
PFOA	20.000	20.328	1.6	101.6
PFOS	20.000	20.149	0.7	100.7
PFPeA	20.000	21.376	6.9	106.9
PFTeDA	20.000	16.559	-17.2	82.8
PFTrDA	20.000	18.590	-7.1	92.9
PFUnDA	20.000	20.535	2.7	102.7

CC Criteria: +/- 25%

Continuing Calibration Summary

Job Number: FA20060 **Sample:** SQ277-CC276
Account: AMECORP AMEC Environment & Infrastructure, Inc. **Lab FileID:** Q8491.D
Project: Griffis AFB; Rome, NY

Continuing Calibration Report

Batch: D:\MassHunter\Data\1203_PFC_SQ277\SQ277.batch.bin

Level ID:Calibration File
1:D:\MassHunter\Data\1202_PFC_SQ276\Q8399.d
2:D:\MassHunter\Data\1202_PFC_SQ276\Q8400.d
3:D:\MassHunter\Data\1202_PFC_SQ276\Q8401.d
4:D:\MassHunter\Data\1202_PFC_SQ276\Q8402.d
6:D:\MassHunter\Data\1202_PFC_SQ276\Q8404.d
7:D:\MassHunter\Data\1202_PFC_SQ276\Q8405.d

Data File: Q8491
Type : QC
Level : 4

Cpnd Name	Exp. Conc	Final Conc	Dev %	Area %
13C2-PFDA	20.000	20.565	2.8	102.8
13C2-PFDoDA	---	--ISTD--		
13C2-PFHxA	20.000	20.736	3.7	103.7
13C2-PFOA	---	--ISTD--		
13C4-PFOS	---	--ISTD--		
PFBA	20.000	21.058	5.3	105.3
PFBS	20.000	20.370	1.9	101.9
PFDA	20.000	21.470	7.4	107.4
PFDoDA	20.000	20.118	0.6	100.6
PFDS	20.000	16.723	-16.4	83.6
PFHpA	20.000	20.165	0.8	100.8
PFHpS	20.000	20.974	4.9	104.9
PFHxA	20.000	20.928	4.6	104.6
PFHxS	20.000	21.251	6.3	106.3
PFNA	20.000	20.209	1.0	101.0
PFOA	20.000	20.292	1.5	101.5
PFOS	20.000	20.335	1.7	101.7
PFPeA	20.000	20.604	3.0	103.0
PFTeDA	20.000	16.308	-18.5	81.5
PFTrDA	20.000	18.450	-7.8	92.2
PFUnDA	20.000	20.686	3.4	103.4

CC Criteria: +/- 25%

Southeast ACCUTEST LABORATORIES

General Chemistry

QC Data Summaries

Includes the following where applicable:

- Percent Solids Raw Data Summary

Percent Solids Raw Data Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample: FA20060-2	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-001			
Wet Weight (Total)	7.06	g	
Tare Weight	1.06	g	
Dry Weight (Total)	6.54	g	
Solids, Percent	91.3	%	
Sample: FA20060-3	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-002			
Wet Weight (Total)	6.49	g	
Tare Weight	1.04	g	
Dry Weight (Total)	5.64	g	
Solids, Percent	84.4	%	
Sample: FA20060-4	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-003			
Wet Weight (Total)	7.99	g	
Tare Weight	1.03	g	
Dry Weight (Total)	7.12	g	
Solids, Percent	87.5	%	
Sample: FA20060-5	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-004			
Wet Weight (Total)	7.51	g	
Tare Weight	1	g	
Dry Weight (Total)	6.63	g	
Solids, Percent	86.5	%	
Sample: FA20060-6	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-005			
Wet Weight (Total)	7.56	g	
Tare Weight	1.07	g	
Dry Weight (Total)	6.64	g	
Solids, Percent	85.8	%	
Sample: FA20060-7	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-006			
Wet Weight (Total)	6.97	g	
Tare Weight	1	g	
Dry Weight (Total)	6.43	g	
Solids, Percent	91	%	

Percent Solids Raw Data Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample: FA20060-8	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-007			
Wet Weight (Total)	6.11	g	
Tare Weight	1.01	g	
Dry Weight (Total)	5.5	g	
Solids, Percent	88	%	
Sample: FA20060-9	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-008			
Wet Weight (Total)	6.86	g	
Tare Weight	1.02	g	
Dry Weight (Total)	6.15	g	
Solids, Percent	87.8	%	
Sample: FA20060-10	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-009			
Wet Weight (Total)	8.54	g	
Tare Weight	1	g	
Dry Weight (Total)	7.28	g	
Solids, Percent	83.3	%	
Sample: FA20060-11	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-010			
Wet Weight (Total)	7.47	g	
Tare Weight	1.01	g	
Dry Weight (Total)	6.49	g	
Solids, Percent	84.8	%	
Sample: FA20060-12	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-011			
Wet Weight (Total)	7.38	g	
Tare Weight	1	g	
Dry Weight (Total)	6.57	g	
Solids, Percent	87.3	%	
Sample: FA20060-16	**Analyzed:** 26-NOV-14 by LE		**Method:** SM19 2540G
ClientID: GRIFS-SO-012			
Wet Weight (Total)	7.77	g	
Tare Weight	1.04	g	
Dry Weight (Total)	6.84	g	
Solids, Percent	86.2	%	

Percent Solids Raw Data Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample: FA20060-17 **Analyzed:** 26-NOV-14 by LE **Method:** SM19 2540G
ClientID: GRIFS-SO-013

Wet Weight (Total)	6.95	g
Tare Weight	1	g
Dry Weight (Total)	5.83	g
Solids, Percent	81.2	%

Sample: FA20060-18 **Analyzed:** 26-NOV-14 by LE **Method:** SM19 2540G
ClientID: GRIFS-SO-014

Wet Weight (Total)	7.29	g
Tare Weight	1.03	g
Dry Weight (Total)	6.44	g
Solids, Percent	86.4	%

Sample: FA20060-19 **Analyzed:** 26-NOV-14 by LE **Method:** SM19 2540G
ClientID: GRIFS-SO-015

Wet Weight (Total)	6.54	g
Tare Weight	.98	g
Dry Weight (Total)	6.02	g
Solids, Percent	90.7	%

Sample: FA20060-20 **Analyzed:** 26-NOV-14 by LE **Method:** SM19 2540G
ClientID: GRIFS-SO-016

Wet Weight (Total)	6.38	g
Tare Weight	1.02	g
Dry Weight (Total)	5.97	g
Solids, Percent	92.4	%

Sample: FA20060-21 **Analyzed:** 26-NOV-14 by LE **Method:** SM19 2540G
ClientID: GRIFS-SO-017

Wet Weight (Total)	6.94	g
Tare Weight	1.01	g
Dry Weight (Total)	6.26	g
Solids, Percent	88.5	%

Sample: FA20060-22 **Analyzed:** 26-NOV-14 by LE **Method:** SM19 2540G
ClientID: GRIFS-SO-018

Wet Weight (Total)	6.16	g
Tare Weight	1	g
Dry Weight (Total)	5.74	g
Solids, Percent	91.9	%

Percent Solids Raw Data Summary

Job Number: FA20060
Account: AMECORP AMEC Environment & Infrastructure, Inc.
Project: Griffis AFB; Rome, NY

Sample: FA20060-23 **Analyzed:** 26-NOV-14 by LE **Method:** SM19 2540G
ClientID: GRIFS-SO-019

Wet Weight (Total)	6.4	g
Tare Weight	.99	g
Dry Weight (Total)	5.95	g
Solids, Percent	91.7	%

Sample: FA20060-24 **Analyzed:** 26-NOV-14 by LE **Method:** SM19 2540G
ClientID: GRIFS-SO-020

Wet Weight (Total)	6.81	g
Tare Weight	1.02	g
Dry Weight (Total)	6.34	g
Solids, Percent	91.9	%