Navy_CLEAN_PFAS_FOIA_request_covers.indd

NAVFAC
Naval Facilities Engineering Command

Groundwater/Drinking Water Sample Results, Level 4 Laboratory Report, Electronic Data Deliverable, Data Validation Report, Sample Location Report, SDG 1701432

NAS
Chase Field TX
December 2020

APPROVED FOR PUBLIC RELEASE; DISTRIBUTION UNLIMITED

October 30, 2017

Vista Work Order No. 1701432

Ms. Nia Nikmanesh
KMEA
2423 Hoover Avenue
National City, CA 91950

Dear Ms. Nikmanesh,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on October 07, 2017. This sample set was analyzed on a rush turn-around time, under your Project Name 'BRAC PFAS,NAS Chase Field,TX-TO 0008'.

Vista Analytical Laboratory is committed to serving you effectively. If you require additional information, please contact me at 916-673-1520 or by email at mmaier@vista-analytical.com.

Thank you for choosing Vista as part of your analytical support team.

Sincerely,

Karen J. Volpendesta for

Martha Maier
Laboratory Director

Vista Analytical Laboratory certifies that the report herein meets all the requirements set forth by NELAP for those applicable test methods. Results relate only to the samples as received by the laboratory. This report should not be reproduced except in full without the written approval of Vista.

Vista Work Order No. 1701432
Case Narrative

Sample Condition on Receipt:

Four drinking water samples, nine blank water samples, and five groundwater samples were received in good condition and within the method temperature requirements. The samples were received and stored securely in accordance with Vista standard operating procedures and EPA methodology. As requested, the date was added after each of the blank samples as _YYYYMMDD. In addition, sample "Site 3-GW-421648-20171005" is a drinking water sample and the sample ID was changed to "Site 3-DW-421648-20171005".

As requested on the CoC, the following samples were placed on extract and hold: "FRB03_20171004", "FRB08_20171004", "FRB07_20171004", "FRB02_20171005", and "FRB01_20171005".

Analytical Notes:

EPA Method 537

The drinking water samples were extracted and analyzed for the UCMR list of six PFAS using EPA Method 537.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Laboratory Fortified Blank (LFB) and Laboratory Reagent Blank (LRB) were extracted and analyzed with the preparation batch. No analytes were detected in the Laboratory Reagent Blank above 1/2 the LOQ. The LFB recoveries were within the method acceptance criteria

The surrogate recoveries for all QC and field samples were within the acceptance criteria.

Insufficient sample volume was available to perform a Laboratory Fortified Sample Matrix (LFSM) and Laboratory Fortified Sample Matrix Duplicate (LFSMD). An LCSD was performed as additional QC.

Modified EPA Method 537

Samples "EB02_20171002" and "Site 4-GW-04GW02-20171004" contained particulate and were centrifuged prior to extraction.

The non-drinking water samples were extracted and analyzed for a selected list of PFAS using Modified EPA Method 537.

Holding Times

The samples were extracted and analyzed within the method hold times.

Quality Control

The Initial Calibration and Continuing Calibration Verifications met the method acceptance criteria.

A Method Blank and Ongoing Precision and Recovery (OPR) sample were extracted and analyzed with preparation batch B7J0092. No analytes were detected in the Method Blank above 1/2 the LOQ. The OPR recoveries were within the method acceptance criteria

A Method Blank and Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) were extracted and analyzed with preparation batch B7J0071. No analytes were detected in the Method Blank above 1/2 of the LOQ concentrations. The LCS/LCSD recoveries were within the method acceptance criteria.

The extracts were re-injected because one or more Injection Internal Standard Analyte response areas were outside of criteria. The results were similar in the second injection. The results from the original injections have been reported.

The labeled standard recoveries outside the acceptance criteria are listed in the table below.

An MS/MSD was performed on sample "Site 4-GW-04GW02-20171004". The recovery and/or RPD was outside of the acceptance criteria for PFHxS.

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1701432-03	EB03_20171003	Modified EPA Method 537	13C8-PFOSA	H	43.9
1701432-05	EB05_20171004	Modified EPA Method 537	13C8-PFOSA	H	45.7
1701432-12	EB06_20171005	Modified EPA Method 537	13C8-PFOSA	H	46.1
B7J0071-BLK1	B7J0071-BLK1	Modified EPA Method 537	13C8-PFOSA	H	49.3
B7J0071-BSD1	B7J0071-BSD1	Modified EPA Method 537	13C8-PFOSA	H	49.4

H = Recovery was outside laboratory acceptance criteria.

TABLE OF CONTENTS

Case Narrative..... 1

Table of Contents..... 4

Sample Inventory..... 5

Analytical Results..... 7

Qualifiers..... 28

Certifications..... 29

Sample Receipt..... 32

Extraction Information..... 37

Sample Data - EPA Method 537..... 49

Sample Data - Modified EPA Method 537..... 74

IIS Areas, IBs and CCVs..... 213

ICAL with ICV and IB..... 367

Sample Inventory Report

Vista Sample ID	Client Sample ID		Sampled	Received	Components/Containers
1701432-01	EB01_20171002		02-Oct-17 11:00	07-Oct-17 09:23	HDPE Bottle, 250 mL
					HDPE Bottle, 250 mL
1701432-02	EB02_20171002		02-Oct-17 17:00	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-03	EB03_20171003		03-Oct-17 09:00	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-04	EB04_20171003		03-Oct-17 12:00	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-05	EB05_20171004		04-Oct-17 09:00	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-06	Site 3-GW-03GW01-20171004		04-Oct-17 09:00	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-07	FRB03_20171004		04-Oct-17 09:05	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-08	Site 4-GW-04GW03-20171004		04-Oct-17 14:00	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-09	FRB08_20171004		04-Oct-17 14:05	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-10	Site 4-GW-04GW02-20171004	MS/MSD	04-Oct-17 16:00	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-11	FRB07_20171004		04-Oct-17 16:05	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-12	EB06_20171005		05-Oct-17 09:00	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-13	Site 3-GW-MW1-20171005		05-Oct-17 09:20	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-14	FRB02_20171005		05-Oct-17 09:25	07-Oct-17 09:23	HDPE Bottle, 125 mL
					HDPE Bottle, 125 mL
1701432-15	Site 3-DW-421648-20171005		05-Oct-17 11:00	07-Oct-17 09:23	HDPE Bottle, 250 mL
					HDPE Bottle, 250 mL
1701432-16	DUP01_20171005		05-Oct-17 11:10	07-Oct-17 09:23	HDPE Bottle, 250 mL
					HDPE Bottle, 250 mL
1701432-17	FRB01_20171005		05-Oct-17 11:05	07-Oct-17 09:23	HDPE Bottle, 250 mL
					HDPE Bottle, 250 mL
1701432-18	Site 3-GW-03GW03-20171005		05-Oct-17 13:10	07-Oct-17 09:23	HDPE Bottle, 125 mL

Vista Project: 1701432

Client Project: BRAC PFAS,NAS Chase Field,TX-TO 0008

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1701432-18	Site 3-GW-03GW03-20171005	05-Oct-17 13:10	07-Oct-17 09:23	HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: LRB

EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Drinking Water

Laboratory Data

Lab Sample: B7J0077-BLK1
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.000443	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFHxA	0.00119	0.000663	0.00500	0.0100	J	B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFHpA	ND	0.000533	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFHxS	ND	0.000415	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFOA	ND	0.00108	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFNA	ND	0.00144	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFOS	ND	0.00104	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFDA	ND	0.00128	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
MeFOSAA	ND	0.00304	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
EtFOSAA	ND	0.00193	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFUnA	ND	0.000255	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFDoA	ND	0.000952	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFTrDA	ND	0.000943	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
PFTeDA	ND	0.000777	0.00500	0.0100		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxA	SURR	94.4	70 - 130		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
13C2-PFDA	SURR	110	70 - 130		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1
d5-EtFOSAA	SURR	94.0	70 - 130		B7J0077	13-Oct-17	0.250 L	15-Oct-17 21:55	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: LCSD **EPA Method 537**

Name:	KMEA	Lab Sample:	B7J0077-BS1/B7J0077-BSD1		
Project:	BRAC PFAS,NAS Chase Field,TX-TO 0008	QC Batch:	B7J0077	Date Extracted:	13-Oct-17
Matrix:	Drinking Water	Samp Size:	0.250/0.250 L	Column:	BEH C18

Analyte	LCS (ug/L)	LCS Spike Amt	LCS % Rec	LCS Quals	LCSD (ug/L)	LCSD Spike Amt	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBS	0.0331	0.0354	93.5		0.0328	0.0354	92.7	0.819		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFHxA	0.0390	0.0400	97.6	B	0.0366	0.0400	91.5	6.41	B	70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFHpA	0.0375	0.0400	93.6		0.0372	0.0400	92.9	0.753		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFHxS	0.0335	0.0364	92.1		0.0332	0.0364	91.3	0.839		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFOA	0.0381	0.0400	95.4		0.0381	0.0400	95.4	0.000336		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFNA	0.0415	0.0400	104		0.0402	0.0400	100	3.20		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFOS	0.0352	0.0370	95.0		0.0374	0.0370	101	6.26		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFDA	0.0356	0.0400	89.0		0.0382	0.0400	95.5	7.00		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
MeFOSAA	0.0420	0.0400	105		0.0310	0.0400	77.4	30.2		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
EtFOSAA	0.0451	0.0400	113		0.0348	0.0400	87.0	25.8		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFUnA	0.0337	0.0400	84.3		0.0364	0.0400	90.9	7.54		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFDoA	0.0331	0.0400	82.7		0.0329	0.0400	82.2	0.638		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFTrDA	0.0336	0.0400	83.9		0.0332	0.0400	83.0	1.03		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1
PFTeDA	0.0375	0.0400	93.7		0.0391	0.0400	97.8	4.21		70-130	30	15-Oct-17 21:18	1	15-Oct-17 21:30	1

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C2-PFHxA	SURR	94.8		91.2		70-130	15-Oct-17 21:18	1	15-Oct-17 21:30	1
13C2-PFDA	SURR	101		92.3		70-130	15-Oct-17 21:18	1	15-Oct-17 21:30	1
d5-EtFOSAA	SURR	83.4		77.9		70-130	15-Oct-17 21:18	1	15-Oct-17 21:30	1

Sample ID: EB01_20171002

EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Blank Water
Date Collected: 02-Oct-17 11:00

Laboratory Data

Lab Sample: 1701432-01
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.000422	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFHxA	0.00112	0.000631	0.00476	0.00952	J, B	B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFHpA	ND	0.000507	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFHxS	ND	0.000395	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFOA	ND	0.00103	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFNA	ND	0.00137	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFOS	ND	0.000990	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFDA	ND	0.00122	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
MeFOSAA	ND	0.00289	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
EtFOSAA	ND	0.00184	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFUnA	ND	0.000243	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFDoA	ND	0.000906	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFTrDA	ND	0.000898	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
PFTeDA	ND	0.000740	0.00476	0.00952		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxA	SURR	92.1	70 - 130		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
13C2-PFDA	SURR	101	70 - 130		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1
d5-EtFOSAA	SURR	108	70 - 130		B7J0077	13-Oct-17	0.263 L	15-Oct-17 22:07	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: Site 3-DW-421648-20171005

EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Drinking Water
Date Collected: 05-Oct-17 11:00

Laboratory Data

Lab Sample: 1701432-15
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.000438	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFHxA	0.00125	0.000655	0.00494	0.00988	J, B	B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFHpA	ND	0.000527	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFHxS	ND	0.000410	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFOA	ND	0.00107	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFNA	ND	0.00142	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFOS	ND	0.00103	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFDA	ND	0.00126	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
MeFOSAA	ND	0.00300	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
EtFOSAA	ND	0.00191	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFUnA	ND	0.000252	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFDoA	ND	0.000941	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFTrDA	ND	0.000932	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
PFTeDA	ND	0.000768	0.00494	0.00988		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxA	SURR	101	70 - 130		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
13C2-PFDA	SURR	98.5	70 - 130		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1
d5-EtFOSAA	SURR	102	70 - 130		B7J0077	13-Oct-17	0.253 L	15-Oct-17 22:20	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: DUP01_20171005

EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Drinking Water
Date Collected: 05-Oct-17 11:10

Laboratory Data

Lab Sample: 1701432-16
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.000430	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFHxA	0.00189	0.000643	0.00485	0.00970	J, B	B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFHpA	ND	0.000517	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFHxS	ND	0.000403	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFOA	ND	0.00105	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFNA	ND	0.00140	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFOS	ND	0.00101	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFDA	ND	0.00124	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
MeFOSAA	ND	0.00295	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
EtFOSAA	ND	0.00187	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFUnA	ND	0.000247	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFDoA	ND	0.000924	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFTrDA	ND	0.000915	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
PFTeDA	ND	0.000754	0.00485	0.00970		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFHxA	SURR	107	70 - 130		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
13C2-PFDA	SURR	100	70 - 130		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1
d5-EtFOSAA	SURR	87.6	70 - 130		B7J0077	13-Oct-17	0.258 L	15-Oct-17 22:32	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation

LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: Method Blank

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Aqueous

Laboratory Data

Lab Sample: B7J0071-BLK1
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	0.000729	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFPeA	ND	0.00128	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFBS	ND	0.00179	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFHxA	ND	0.00218	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFHpA	ND	0.000591	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFHxS	ND	0.000947	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFOA	ND	0.000651	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFOS	ND	0.000807	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFNA	ND	0.000810	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFDA	ND	0.00149	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFOSA	ND	0.00177	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
MeFOSAA	ND	0.00165	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFDS	ND	0.00123	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFUnA	ND	0.00105	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
EtFOSAA	ND	0.00137	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFDoA	ND	0.000792	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFTrDA	ND	0.000494	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
PFTeDA	ND	0.000755	0.00500	0.00800		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.2	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C3-PFPeA	IS	108	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C3-PFBS	IS	111	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C2-PFHxA	IS	87.8	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C4-PFHpA	IS	74.5	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
18O2-PFHxS	IS	89.3	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C2-PFOA	IS	87.0	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C8-PFOS	IS	93.3	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C5-PFNA	IS	82.1	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C2-PFDA	IS	74.4	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C8-PFOSA	IS	49.3	50 - 150	H	B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
d3-MeFOSAA	IS	76.4	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C2-PFUnA	IS	67.7	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
d5-EtFOSAA	IS	71.5	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C2-PFDoA	IS	65.7	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1
13C2-PFTeDA	IS	88.1	50 - 150		B7J0071	12-Oct-17	0.125 L	16-Oct-17 16:28	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: LCSD **Modified EPA Method 537**

Name:	KMEA	Lab Sample:	B7J0071-BS1/B7J0071-BSD1
Project:	BRAC PFAS,NAS Chase Field,TX-TO 0008	QC Batch:	B7J0071
Matrix:	Aqueous	Samp Size:	0.125/0.125 L
		Date Extracted:	12-Oct-17
		Column:	BEH C18

Analyte	LCS (ug/L)	LCS Spike Amt	LCS % Rec	LCS Quals	LCSD (ug/L)	LCSD Spike Amt	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBA	0.0812	0.0800	101		0.0826	0.0800	103	1.74		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFPeA	0.0855	0.0800	107		0.0896	0.0800	112	4.66		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFBS	0.0912	0.0800	114		0.0858	0.0800	107	6.18		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFHxA	0.0930	0.0800	116		0.0993	0.0800	124	6.62		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFHpA	0.0834	0.0800	104		0.0857	0.0800	107	2.70		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFHxS	0.0738	0.0800	92.2		0.0759	0.0800	94.8	2.78		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFOA	0.0843	0.0800	105		0.0885	0.0800	111	4.86		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFOS	0.0883	0.0800	110		0.0900	0.0800	113	1.97		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFNA	0.0889	0.0800	111		0.0827	0.0800	103	7.26		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFDA	0.0812	0.0800	102		0.0840	0.0800	105	3.41		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFOSA	0.0770	0.0800	96.2		0.0810	0.0800	101	5.14		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
MeFOSAA	0.0789	0.0800	98.6		0.0785	0.0800	98.1	0.454		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFDS	0.0969	0.0800	121		0.104	0.0800	130	7.22		60-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFUnA	0.0846	0.0800	106		0.0801	0.0800	100	5.53		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
EtFOSAA	0.0805	0.0800	101		0.0838	0.0800	105	4.02		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFDoA	0.0845	0.0800	106		0.0887	0.0800	111	4.74		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFTrDA	0.0861	0.0800	108		0.0983	0.0800	123	13.3		60-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1
PFTeDA	0.0796	0.0800	99.5		0.0864	0.0800	108	8.22		70-130		16-Oct-17 15:56	1	16-Oct-17 16:07	1

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C3-PFBA	IS	92.1		93.2		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C3-PFPeA	IS	110		105		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C3-PFBS	IS	108		115		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C2-PFHxA	IS	85.1		85.8		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C4-PFHpA	IS	81.2		75.0		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
18O2-PFHxS	IS	93.4		95.3		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C2-PFOA	IS	85.0		83.3		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C8-PFOS	IS	90.9		95.6		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C5-PFNA	IS	81.6		76.7		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C2-PFDA	IS	78.9		75.1		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C8-PFOSA	IS	51.9		49.4	H	50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
d3-MeFOSAA	IS	78.4		84.3		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C2-PFUnA	IS	69.1		70.3		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
d5-EtFOSAA	IS	70.1		71.4		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C2-PFDoA	IS	75.5		66.8		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1
13C2-PFTeDA	IS	86.9		83.3		50-150	16-Oct-17 15:56	1	16-Oct-17 16:07	1

Sample ID: Method Blank

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Aqueous

Laboratory Data

Lab Sample: B7J0092-BLK1
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	0.000729	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFPeA	ND	0.00128	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFBS	ND	0.00179	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFHxA	ND	0.00218	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFHpA	ND	0.000591	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFHxS	ND	0.000947	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFOA	ND	0.000651	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFOS	ND	0.000807	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFNA	ND	0.000810	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFDA	ND	0.00149	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFOSA	ND	0.00177	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
MeFOSAA	ND	0.00165	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFDS	ND	0.00123	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFUnA	ND	0.00105	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
EtFOSAA	ND	0.00137	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFDoA	ND	0.000792	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFTrDA	ND	0.000494	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
PFTeDA	ND	0.000755	0.00500	0.00800		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.9	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C3-PFPeA	IS	82.8	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C3-PFBS	IS	95.4	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C2-PFHxA	IS	87.5	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C4-PFHpA	IS	86.9	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
18O2-PFHxS	IS	89.9	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C2-PFOA	IS	82.4	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C8-PFOS	IS	102	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C5-PFNA	IS	83.4	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C2-PFDA	IS	72.7	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C8-PFOSA	IS	53.6	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
d3-MeFOSAA	IS	64.4	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C2-PFUnA	IS	70.7	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
d5-EtFOSAA	IS	73.0	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C2-PFDoA	IS	62.0	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1
13C2-PFTeDA	IS	63.1	50 - 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 13:10	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: OPR **Modified EPA Method 537**

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Aqueous

Laboratory Data

Lab Sample: B7J0092-BS1
Column: BEH C18

Analyte	Amt Found (ug/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	0.0699	0.0800	87.3	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFPeA	0.0707	0.0800	88.3	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFBS	0.0714	0.0800	89.2	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFHxA	0.0741	0.0800	92.7	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFHpA	0.0708	0.0800	88.5	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFHxS	0.0743	0.0800	92.9	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFOA	0.0667	0.0800	83.4	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFOS	0.0606	0.0800	75.7	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFNA	0.0696	0.0800	87.1	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFDA	0.0818	0.0800	102	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFOSA	0.0596	0.0800	74.6	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
MeFOSAA	0.0715	0.0800	89.4	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFDS	0.0997	0.0800	125	60-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFUnA	0.0707	0.0800	88.3	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
EtFOSAA	0.0622	0.0800	77.8	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFDoA	0.0766	0.0800	95.7	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFTrDA	0.0917	0.0800	115	60-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
PFTeDA	0.0582	0.0800	72.8	70-130		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.9	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C3-PFPeA	IS	79.3	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C3-PFBS	IS	81.8	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C2-PFHxA	IS	83.1	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C4-PFHpA	IS	84.8	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
18O2-PFHxS	IS	82.4	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C2-PFOA	IS	82.5	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C8-PFOS	IS	97.7	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C5-PFNA	IS	81.7	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C2-PFDA	IS	68.7	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C8-PFOSA	IS	57.8	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
d3-MeFOSAA	IS	57.6	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C2-PFUnA	IS	66.4	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
d5-EtFOSAA	IS	61.9	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C2-PFDoA	IS	66.6	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1
13C2-PFTeDA	IS	92.0	50- 150		B7J0092	17-Oct-17	0.125 L	26-Oct-17 12:03	1

Sample ID: EB02_20171002

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Blank Water
Date Collected: 02-Oct-17 17:00

Laboratory Data

Lab Sample: 1701432-02
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	0.000835	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFPeA	ND	0.00147	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFBS	ND	0.00205	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFHxA	ND	0.00250	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFHpA	ND	0.000677	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFHxS	ND	0.00108	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFOA	ND	0.000746	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFOS	ND	0.000925	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFNA	ND	0.000928	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFDA	ND	0.00171	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFOSA	ND	0.00203	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
MeFOSAA	ND	0.00189	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFDS	ND	0.00141	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFUnA	ND	0.00120	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
EtFOSAA	ND	0.00157	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFDoA	ND	0.000907	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFTrDA	ND	0.000566	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
PFTeDA	ND	0.000865	0.00573	0.00917		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	92.5	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C3-PFPeA	IS	113	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C3-PFBS	IS	118	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C2-PFHxA	IS	91.0	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C4-PFHpA	IS	77.1	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
18O2-PFHxS	IS	85.9	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C2-PFOA	IS	80.0	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C8-PFOS	IS	86.9	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C5-PFNA	IS	75.9	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C2-PFDA	IS	70.1	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C8-PFOSA	IS	53.6	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
d3-MeFOSAA	IS	86.5	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C2-PFUnA	IS	71.0	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
d5-EtFOSAA	IS	79.2	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C2-PFDoA	IS	70.8	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1
13C2-PFTeDA	IS	84.4	50 - 150		B7J0071	12-Oct-17	0.109 L	16-Oct-17 17:43	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: EB03_20171003

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Blank Water
Date Collected: 03-Oct-17 09:00

Laboratory Data

Lab Sample: 1701432-03
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	0.000796	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFPeA	ND	0.00140	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFBS	ND	0.00196	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFHxA	ND	0.00238	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFHpA	ND	0.000645	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFHxS	ND	0.00103	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFOA	ND	0.000711	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFOS	ND	0.000881	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFNA	ND	0.000885	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFDA	ND	0.00163	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFOSA	ND	0.00193	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
MeFOSAA	ND	0.00180	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFDS	ND	0.00134	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFUnA	ND	0.00115	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
EtFOSAA	ND	0.00150	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFDoA	ND	0.000865	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFTrDA	ND	0.000540	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
PFTeDA	ND	0.000825	0.00548	0.00874		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.9	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C3-PFPeA	IS	111	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C3-PFBS	IS	110	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C2-PFHxA	IS	95.2	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C4-PFHpA	IS	72.9	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
18O2-PFHxS	IS	88.7	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C2-PFOA	IS	83.9	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C8-PFOS	IS	93.5	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C5-PFNA	IS	78.8	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C2-PFDA	IS	71.2	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C8-PFOSA	IS	43.9	50 - 150	H	B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
d3-MeFOSAA	IS	69.7	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C2-PFUnA	IS	64.8	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
d5-EtFOSAA	IS	69.5	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C2-PFDoA	IS	65.9	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1
13C2-PFTeDA	IS	87.6	50 - 150		B7J0071	12-Oct-17	0.114 L	16-Oct-17 17:54	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: EB04_20171003

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Blank Water
Date Collected: 03-Oct-17 12:00

Laboratory Data

Lab Sample: 1701432-04
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	0.000794	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFPeA	ND	0.00139	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFBS	ND	0.00195	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFHxA	ND	0.00237	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFHpA	ND	0.000644	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFHxS	0.00213	0.00103	0.00543	0.00872	J	B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFOA	ND	0.000709	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFOS	ND	0.000879	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFNA	ND	0.000882	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFDA	ND	0.00162	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFOSA	ND	0.00193	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
MeFOSAA	ND	0.00180	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFDS	ND	0.00134	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFUnA	ND	0.00114	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
EtFOSAA	ND	0.00149	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFDoA	ND	0.000863	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFTrDA	ND	0.000538	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
PFTeDA	ND	0.000823	0.00543	0.00872		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	90.5	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C3-PFPeA	IS	102	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C3-PFBS	IS	110	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C2-PFHxA	IS	90.9	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C4-PFHpA	IS	75.7	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
18O2-PFHxS	IS	82.8	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C2-PFOA	IS	84.2	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C8-PFOS	IS	89.3	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C5-PFNA	IS	73.6	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C2-PFDA	IS	71.5	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C8-PFOSA	IS	55.8	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
d3-MeFOSAA	IS	82.8	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C2-PFUnA	IS	64.3	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
d5-EtFOSAA	IS	74.5	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C2-PFDoA	IS	65.0	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1
13C2-PFTeDA	IS	88.5	50 - 150		B7J0071	12-Oct-17	0.115 L	16-Oct-17 18:05	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: EB05_20171004

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Blank Water
Date Collected: 04-Oct-17 09:00

Laboratory Data

Lab Sample: 1701432-05
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	0.000765	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFPeA	ND	0.00134	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFBS	ND	0.00188	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFHxA	ND	0.00229	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFHpA	ND	0.000620	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFHxS	0.00203	0.000993	0.00525	0.00839	J	B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFOA	ND	0.000683	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFOS	ND	0.000846	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFNA	ND	0.000849	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFDA	ND	0.00156	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFOSA	ND	0.00186	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
MeFOSAA	ND	0.00173	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFDS	ND	0.00129	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFUnA	ND	0.00110	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
EtFOSAA	ND	0.00144	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFDoA	ND	0.000831	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFTrDA	ND	0.000518	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
PFTeDA	ND	0.000792	0.00525	0.00839		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.7	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C3-PFPeA	IS	106	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C3-PFBS	IS	112	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C2-PFHxA	IS	92.6	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C4-PFHpA	IS	70.9	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
18O2-PFHxS	IS	85.6	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C2-PFOA	IS	73.8	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C8-PFOS	IS	89.4	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C5-PFNA	IS	66.5	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C2-PFDA	IS	74.7	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C8-PFOSA	IS	45.7	50 - 150	H	B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
d3-MeFOSAA	IS	75.0	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C2-PFUnA	IS	55.6	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
d5-EtFOSAA	IS	73.4	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C2-PFDoA	IS	58.4	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1
13C2-PFTeDA	IS	82.3	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:15	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: Site 3-GW-03GW01-20171004

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Groundwater
Date Collected: 04-Oct-17 09:00

Laboratory Data

Lab Sample: 1701432-06
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	0.00760	0.000767	0.00525	0.00841	J	B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFPeA	0.0107	0.00135	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFBS	0.00586	0.00188	0.00525	0.00841	J	B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFHxA	0.0359	0.00229	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFHpA	0.00550	0.000622	0.00525	0.00841	J	B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFHxS	0.0700	0.000996	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFOA	0.134	0.000685	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFOS	0.00768	0.000849	0.00525	0.00841	J	B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFNA	ND	0.000852	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFDA	ND	0.00157	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFOSA	ND	0.00186	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
MeFOSAA	ND	0.00174	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFDS	ND	0.00129	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFUnA	ND	0.00110	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
EtFOSAA	ND	0.00144	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFDoA	ND	0.000833	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFTrDA	ND	0.000520	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
PFTeDA	ND	0.000794	0.00525	0.00841		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	92.8	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C3-PFPeA	IS	114	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C3-PFBS	IS	131	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C2-PFHxA	IS	90.9	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C4-PFHpA	IS	75.2	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
18O2-PFHxS	IS	84.2	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C2-PFOA	IS	84.6	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C8-PFOS	IS	84.4	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C5-PFNA	IS	81.8	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C2-PFDA	IS	82.2	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C8-PFOSA	IS	69.3	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
d3-MeFOSAA	IS	105	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C2-PFUnA	IS	81.0	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
d5-EtFOSAA	IS	97.1	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C2-PFDoA	IS	78.5	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1
13C2-PFTeDA	IS	98.9	50 - 150		B7J0071	12-Oct-17	0.119 L	16-Oct-17 18:26	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: Site 4-GW-04GW03-20171004

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Groundwater
Date Collected: 04-Oct-17 14:00

Laboratory Data

Lab Sample: 1701432-08
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	0.0500	0.00150	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFPeA	0.104	0.00263	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFBS	0.191	0.00367	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFHxA	0.506	0.00447	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFHpA	0.0330	0.00121	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFHxS	1.51	0.00194	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFOA	0.295	0.00134	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFOS	0.00229	0.00166	0.0103	0.0164	J	B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFNA	ND	0.00166	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFDA	ND	0.00306	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFOSA	ND	0.00363	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
MeFOSAA	ND	0.00339	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFDS	ND	0.00252	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFUnA	ND	0.00216	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
EtFOSAA	ND	0.00281	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFDoA	ND	0.00163	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFTrDA	ND	0.00101	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
PFTeDA	ND	0.00155	0.0103	0.0164		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	89.2	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C3-PFPeA	IS	85.4	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C3-PFBS	IS	96.3	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C2-PFHxA	IS	90.9	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C4-PFHpA	IS	90.2	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
18O2-PFHxS	IS	91.1	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C2-PFOA	IS	84.8	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C8-PFOS	IS	89.4	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C5-PFNA	IS	78.5	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C2-PFDA	IS	73.2	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C8-PFOSA	IS	78.1	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
d3-MeFOSAA	IS	79.7	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C2-PFUnA	IS	94.2	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
d5-EtFOSAA	IS	82.9	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C2-PFDoA	IS	91.1	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1
13C2-PFTeDA	IS	113	50 - 150		B7J0092	17-Oct-17	0.0609 L	26-Oct-17 15:02	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: Site 4-GW-04GW02-20171004

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Groundwater
Date Collected: 04-Oct-17 16:00

Laboratory Data

Lab Sample: 1701432-10
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	0.0517	0.000848	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFPeA	0.128	0.00149	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFBS	0.0662	0.00208	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFHxA	0.300	0.00254	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFHpA	0.0556	0.000687	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFHxS	0.549	0.00110	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFOA	0.582	0.000757	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFOS	0.0744	0.000939	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFNA	0.00162	0.000942	0.00584	0.00930	J	B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFDA	ND	0.00173	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFOSA	ND	0.00206	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
MeFOSAA	ND	0.00192	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFDS	ND	0.00143	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFUnA	ND	0.00122	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
EtFOSAA	ND	0.00159	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFDoA	ND	0.000921	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFTrDA	ND	0.000575	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
PFTeDA	ND	0.000878	0.00584	0.00930		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	94.4	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C3-PFPeA	IS	104	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C3-PFBS	IS	118	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C2-PFHxA	IS	89.9	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C4-PFHpA	IS	82.8	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
18O2-PFHxS	IS	92.6	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C2-PFOA	IS	89.9	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C8-PFOS	IS	84.9	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C5-PFNA	IS	89.1	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C2-PFDA	IS	81.0	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C8-PFOSA	IS	61.7	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
d3-MeFOSAA	IS	89.7	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C2-PFUnA	IS	80.5	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
d5-EtFOSAA	IS	103	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C2-PFDoA	IS	75.1	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1
13C2-PFTeDA	IS	84.5	50 - 150		B7J0071	12-Oct-17	0.107 L	16-Oct-17 18:48	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: Site 4-GW-04GW02-20171004 **Modified EPA Method 537**

Name:	KMEA	Lab Sample:	B7J0071-MS1/B7J0071-MSD1	Source Lab Sample:	1701432-10
Project:	BRAC PFAS,NAS Chase Field,TX-TO 0008	QC Batch:	B7J0071	Date Extracted:	12-Oct-17
Matrix:	Aqueous	Samp Size:	0.117/0.110 L	Column:	BEH C18

Analyte	Sample (ug/L)	MS (ug/L)	MS Spike Amt	MS % Rec	MS Quals	MSD (ug/L)	MSD Spike Amt	MSD % Rec	RPD	MSD Quals	%Rec Limits	RPD Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
PFBA	0.0517	0.132	0.0854	94.4		0.141	0.0906	98.8	4.55		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFPeA	0.128	0.216	0.0854	103		0.228	0.0906	110	6.57		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFBS	0.0662	0.167	0.0854	119		0.163	0.0906	107	10.6		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFHxA	0.300	0.386	0.0854	100.0		0.390	0.0906	99.0	1.01		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFHpA	0.0556	0.158	0.0854	119		0.164	0.0906	120	0.837		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFHxS	0.549	0.593	0.0854	51.3	H	0.678	0.0906	142	93.8	H	70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFOA	0.582	0.645	0.0854	74.5		0.653	0.0906	78.3	4.97		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFOS	0.0744	0.155	0.0854	93.9		0.158	0.0906	92.0	2.04		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFNA	0.00162	0.0869	0.0854	99.9		0.0994	0.0906	108	7.79		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFDA	ND	0.0857	0.0854	100		0.0917	0.0906	101	0.995		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFOSA	ND	0.0916	0.0854	107		0.0919	0.0906	101	5.77		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
MeFOSAA	ND	0.0796	0.0854	93.2		0.0918	0.0906	101	8.03		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFDS	ND	0.0980	0.0854	115		0.106	0.0906	117	1.72		60-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFUnA	ND	0.0859	0.0854	101		0.0978	0.0906	108	6.70		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
EtFOSAA	ND	0.0886	0.0854	104		0.0973	0.0906	107	2.84		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFDoA	ND	0.0867	0.0854	102		0.101	0.0906	111	8.45		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFTrDA	ND	0.0965	0.0854	113		0.101	0.0906	112	0.889		60-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1
PFTeDA	ND	0.0880	0.0854	103		0.0926	0.0906	102	0.976		70-130	25	16-Oct-17 16:39	1	16-Oct-17 16:50	1

Labeled Standards	Type	MS % Rec	MS Quals	MSD % Rec	MSD Quals	Limits	MS Analyzed	MS Dil	MSD Analyzed	MSD Dil
13C3-PFBA	IS	91.7		91.4		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C3-PFPeA	IS	103		104		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C3-PFBS	IS	115		123		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C2-PFHxA	IS	89.5		91.8		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C4-PFHpA	IS	75.1		77.5		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
18O2-PFHxS	IS	96.7		78.4		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C2-PFOA	IS	85.8		85.8		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C8-PFOS	IS	92.8		97.9		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C5-PFNA	IS	84.4		78.4		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C2-PFDA	IS	77.6		75.4		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C8-PFOSA	IS	54.4		54.8		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
d3-MeFOSAA	IS	92.1		84.2		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C2-PFUnA	IS	76.9		69.8		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
d5-EtFOSAA	IS	95.9		103		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C2-PFDoA	IS	79.2		76.5		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1
13C2-PFTeDA	IS	88.6		87.2		50-150	16-Oct-17 16:39	1	16-Oct-17 16:50	1

Sample ID: EB06_20171005

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Blank Water
Date Collected: 05-Oct-17 09:00

Laboratory Data

Lab Sample: 1701432-12
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	ND	0.000721	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFPeA	ND	0.00127	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFBS	ND	0.00177	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFHxA	ND	0.00216	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFHpA	ND	0.000585	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFHxS	ND	0.000937	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFOA	ND	0.000644	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFOS	ND	0.000798	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFNA	ND	0.000801	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFDA	ND	0.00147	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFOSA	ND	0.00175	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
MeFOSAA	ND	0.00163	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFDS	ND	0.00122	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFUnA	ND	0.00104	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
EtFOSAA	ND	0.00136	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFDoA	ND	0.000784	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFTrDA	ND	0.000489	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
PFTeDA	ND	0.000747	0.00496	0.00791		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.4	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C3-PFPeA	IS	103	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C3-PFBS	IS	113	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C2-PFHxA	IS	89.4	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C4-PFHpA	IS	74.8	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
18O2-PFHxS	IS	90.6	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C2-PFOA	IS	83.7	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C8-PFOS	IS	87.9	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C5-PFNA	IS	75.4	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C2-PFDA	IS	77.1	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C8-PFOSA	IS	46.1	50 - 150	H	B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
d3-MeFOSAA	IS	92.7	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C2-PFUnA	IS	71.7	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
d5-EtFOSAA	IS	85.3	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C2-PFDoA	IS	75.2	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1
13C2-PFTeDA	IS	83.1	50 - 150		B7J0071	12-Oct-17	0.126 L	16-Oct-17 18:59	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: Site 3-GW-MW1-20171005

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Groundwater
Date Collected: 05-Oct-17 09:20

Laboratory Data

Lab Sample: 1701432-13
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	0.0253	0.000760	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFPeA	0.0243	0.00133	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFBS	0.0107	0.00187	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFHxA	0.0493	0.00227	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFHpA	0.0124	0.000616	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFHxS	0.106	0.000988	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFOA	0.230	0.000679	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFOS	0.0232	0.000842	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFNA	ND	0.000845	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFDA	ND	0.00155	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFOSA	ND	0.00185	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
MeFOSAA	ND	0.00172	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFDS	ND	0.00128	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFUnA	ND	0.00109	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
EtFOSAA	ND	0.00143	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFDoA	ND	0.000826	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFTrDA	ND	0.000515	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
PFTeDA	ND	0.000787	0.00521	0.00834		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	92.5	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C3-PFPeA	IS	106	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C3-PFBS	IS	122	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C2-PFHxA	IS	88.7	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C4-PFHpA	IS	76.6	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
18O2-PFHxS	IS	85.8	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C2-PFOA	IS	88.8	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C8-PFOS	IS	86.9	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C5-PFNA	IS	87.9	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C2-PFDA	IS	72.9	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C8-PFOSA	IS	64.9	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
d3-MeFOSAA	IS	98.5	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C2-PFUnA	IS	85.3	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
d5-EtFOSAA	IS	103	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C2-PFDoA	IS	81.7	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1
13C2-PFTeDA	IS	101	50 - 150		B7J0071	12-Oct-17	0.120 L	16-Oct-17 19:09	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

Sample ID: Site 3-GW-03GW03-20171005

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,NAS Chase Field,TX-TO 0008
Matrix: Groundwater
Date Collected: 05-Oct-17 13:10

Laboratory Data

Lab Sample: 1701432-18
Date Received: 07-Oct-17 09:23
Column: BEH C18

Analyte	Conc. (ug/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	0.116	0.000705	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFPeA	0.293	0.00124	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFBS	0.0532	0.00173	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFHxA	0.836	0.00211	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFHpA	0.183	0.000572	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFHxS	1.60	0.000916	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFOA	9.33	0.00315	0.0242	0.0387	D	B7J0071	12-Oct-17	0.129 L	17-Oct-17 21:13	5
PFOS	0.221	0.000781	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFNA	0.0324	0.000783	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFDA	0.0459	0.00144	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFOSA	ND	0.00171	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
MeFOSAA	ND	0.00160	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFDS	ND	0.00119	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFUnA	ND	0.00102	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
EtFOSAA	ND	0.00133	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFDoA	ND	0.000766	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFTrDA	ND	0.000478	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
PFTeDA	ND	0.000730	0.00484	0.00774		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	91.3	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C3-PFPeA	IS	112	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C3-PFBS	IS	125	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C2-PFHxA	IS	85.6	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C4-PFHpA	IS	78.7	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
18O2-PFHxS	IS	87.7	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C2-PFOA	IS	99.4	50 - 150	D	B7J0071	12-Oct-17	0.129 L	17-Oct-17 21:13	5
13C8-PFOS	IS	89.1	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C5-PFNA	IS	87.2	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C2-PFDA	IS	77.8	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C8-PFOSA	IS	53.9	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
d3-MeFOSAA	IS	102	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C2-PFUnA	IS	75.9	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
d5-EtFOSAA	IS	118	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C2-PFDoA	IS	85.4	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1
13C2-PFTeDA	IS	97.6	50 - 150		B7J0071	12-Oct-17	0.129 L	16-Oct-17 19:20	1

DL - Detection Limit
LOD - Limit of Detection
LOQ - Limit of quantitation
LCL-UCL- Lower control limit - upper control limit
Results reported to the DL.
When reported, PFHxS, PFOA and PFOS include both linear and branched isomers.
Only the linear isomer is reported for all other analytes.

DATA QUALIFIERS & ABBREVIATIONS

B	**This compound was also detected in the method blank.**
D	**Dilution**
E	**The associated compound concentration exceeded the calibration range of the instrument.**
H	**Recovery and/or RPD was outside laboratory acceptance limits.**
I	**Chemical Interference**
J	**The amount detected is below the Reporting Limit/LOQ.**
M	**Estimated Maximum Possible Concentration. (CA Region 2 projects only)**
*****	**See Cover Letter**
Conc.	**Concentration**
NA	**Not applicable**
ND	**Not Detected**
TEQ	**Toxic Equivalency**
U	**Not Detected (specific projects only)**

Unless otherwise noted, solid sample results are reported in dry weight. Tissue samples are reported in wet weight.

CERTIFICATIONS

Accrediting Authority	Certificate Number
Arkansas Department of Environmental Quality	17-015-0
California Department of Health – ELAP	2892
DoD ELAP - A2LA Accredited - ISO/IEC 17025:2005	3091.01
Florida Department of Health	E87777-18
Hawaii Department of Health	N/A
Louisiana Department of Environmental Quality	01977
Maine Department of Health	2016026
Minnesota Department of Health	1175673
New Hampshire Environmental Accreditation Program	207716
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	013
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	8621
Washington Department of Ecology	C584
Wisconsin Department of Natural Resources	998036160

Current certificates and lists of licensed parameters are located in the Quality Assurance office and are available upon request.

NELAP Accredited Test Methods

MATRIX: Air	
Description of Test	**Method**
Determination of Polychlorinated p-Dioxins & Polychlorinated Dibenzofurans	EPA 23

MATRIX: Biological Tissue	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Drinking Water	
Description of Test	**Method**
2,3,7,8-Tetrachlorodibenzo- p-dioxin (2,3,7,8-TCDD) GC/HRMS	EPA 1613
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537

MATRIX: Non-Potable Water	
Description of Test	**Method**
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613B
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Pesticides in Water, Soil, Sediment, Biosolids, and Tissue by HRGC/HRMS	EPA 1699
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Dioxin by GC/HRMS	EPA 613
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

MATRIX: Solids	
Description of Test	**Method**
Tetra-Octa Chlorinated Dioxins and Furans by Isotope Dilution GC/HRMS	EPA 1613
Tetra- through Octa-Chlorinated Dioxins and Furans by Isotope	EPA 1613B

Dilution GC/HRMS	
Brominated Diphenyl Ethers by HRGC/HRMS	EPA 1614A
Chlorinated Biphenyl Congeners in Water, Soil, Sediment, and Tissue by GC/HRMS	EPA 1668A/C
Perfluorinated Alkyl Acids in Drinking Water by SPE and LC/MS/MS	EPA 537
Polychlorinated Dibenzo-p-Dioxins and Polychlorinated Dibenzofurans by GC/HRMS	EPA 8280A/B
Polychlorinated Dibenzodioxins (PCDDs) and Polychlorinated Dibenzofurans (PCDFs) by GC/HRMS	EPA 8290/8290A

Vista Analytical

1104 Windfield Way
El Dorado Hills, CA 95762
TEL: 916-673-1520

CHAIN OF CUSTODY RECORD

DATE: 10/2/2017 - 10/4/2017

Vista PM: Karen Volpendesta 1701432 1.0°C

PAGE: 1 OF 3

LABORATORY CLIENT: AMEC Foster Wheeler E & I, Inc.	CLIENT PROJECT NAME / NUMBER: BRAC PFAS, NAS Chase Field, TX - TO 0008
ADDRESS: 9210 Sky Park Court	PROJECT CONTACT: Medora Hackler/Marie Bevier
CITY: San Diego, CA 92123	SAMPLER(S): (SIGNATURE) Meg Ruth
TEL: 503.639.3400 / E-Mail: medora.hackler@amecfw.com / E-MAIL: marie.bevier@amecfw.com	P.O. NO.: KMEA PO 555 / CONTRACT NO.: N62473-16-D-2405 / LAB USE ONLY

TURNAROUND TIME

☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)

☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____ / ____ / ____

SPECIAL INSTRUCTIONS

FRB samples are only to be analyzed if associated field samples exhibit detection at or above LOQ.

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	QC Level	PFOA, PFOS, and PFBS (U.S. EPA 537 Mod.)	PFOA, PFOS, and PFBS (U.S. EPA 537)	
	~~SB01~~	10/2/17	10:00	BW	2			X MS	
	EB01	10/2/17	11:00	BW	2			X	
	~~SB02~~	"	10:30	"	2		X MS		
	EB02	10/2/17	17:00	BW	2		X		
	EB03	10/3/17	9:00	"	2		X		
	EB04	10/3/17	12:00	"	2		X		
	EB05	10/4/17	9:00	"	2		X		
	Site3-GW-03GW01_20171004	10/4/17	9:00	GW	2		X		
	FRB03	10/4/17	9:05	BW	2		X		HOLD
	Site4-GW-04GW03-20171004	10/4/17	14:00	GW	2		X		

Relinquished by: (Signature) Meg Ruth	Received by: (Signature) / Carrier Tracking Number FedEx	Date: 10/6/17	Time: 15:40
Relinquished by: (Signature) FedEx	Received by: (Signature) WSpradlin	Date: 10/07/17	Time: 0938
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Vista Analytical

1104 Windfield Way
El Dorado Hills, CA 95762
TEL: 916-673-1520

Vista PM: Karen Volpendesta 1701432

CHAIN OF CUSTODY RECORD

DATE: 10/4/2017 – 10/5/2017

PAGE: 2 OF 3

LABORATORY CLIENT: **AMEC Foster Wheeler E & I, Inc.**
ADDRESS: **9210 Sky Park Court**
CITY: **San Diego, CA 92123**
TEL: **503.639.3400** | E-Mail: medora.hackler@amecfw.com | E-MAIL: marie.bevier@amecfw.com

CLIENT PROJECT NAME / NUMBER: **BRAC PFAS, NAS Chase Field, TX - TO 0008**
PROJECT CONTACT: **Medora Hackler/Marie Bevier**
SAMPLER(S): (SIGNATURE)

P.O. NO.: **KMEA PO 555**
CONTRACT NO.: **N62473-16-D-2405**
LAB USE ONLY

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ____/____/____

SPECIAL INSTRUCTIONS
FRB samples are only to be analyzed if associated field samples exhibit detection at or above LOQ.
* free product, petroleum hydrocarbon mixed in

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	QC Level	PFOA, PFOS, and PFBS (U.S. EPA 537 Mod.)	PFOA, PFOS, and PFBS (U.S. EPA 537)																	
	FRB08	10/4/17	14:05	BW	2		x		H	O	L	D													
	Site4-GW-04GW02-20171004	10/4/17	16:00	GW	6		x		M	S	/	M	S	D											
	FRB07	10/4/17	16:05	BW	2		x		H	O	L	D													
	EB06	10/5/17	9:00	BW	2		x																		
	Sit3-GW-MW1-20171005	10/5/17	9:20	GW	2		x		*																
	FRB02	10/5/17	9:25	BW	2		x		H	O	L	D													
	Sit3-GW-421648-20171005	10/5/17	11:00	GW	2			x																	
	DUP01	10/5/17	11:10	GW	2			x																	
	FRB01	10/5/17	11:05	BW	2			x	H	O	L	D													
	Site3-GW-03GW03-20171005	10/5/17	13:10	GW	2		x																		

Relinquished by: (Signature)	Received by: (Signature) / Carrier Tracking Number: FedEx	Date: 10/6/17	Time: 15:00
Relinquished by: (Signature) FedEx	Received by: (Signature)	Date: 10/07/17	Time: 0938
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Vista Analytical
1104 Windfield Way
El Dorado Hills, CA 95762
TEL: 916-673-1520

1701432

Vista PM: Karen Volpendesta

CHAIN OF CUSTODY RECORD

DATE: 10/2/2017 - 10/4/2017

PAGE: 1 OF 3

LABORATORY CLIENT: AMEC Foster Wheeler E & I, Inc.
ADDRESS: 9210 Sky Park Court
CITY: San Diego, CA 92123
TEL: 503.639.3400
E-Mail: medora.hackler@amecfw.com
E-MAIL: marie.bevier@amecfw.com

CLIENT PROJECT NAME / NUMBER: BRAC PFAS, NAS Chase Field, TX - TO 0008
PROJECT CONTACT: Medora Hackler/Marie Bevier
SAMPLER(S): (SIGNATURE) Meg Ruth

P.O. NO.: KMEA PO 555
CONTRACT NO.: N62473-16-D-2405
LAB USE ONLY

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL __/__/__

SPECIAL INSTRUCTIONS
FRB samples are only to be analyzed if associated field samples exhibit detection at or above LOQ.
** PFAS-18 compound list; see SAP WS #15

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	QC Level PFAS ** PFOA, PFOS, and PFBS (U.S. EPA 537 Mod.) Ext. 10/10/17	PFAS ** PFOS, PFOA, and PFBS (U.S. EPA 537) Ext. 10/10/17	
	~~SB01~~	10/2/17	10:00	BW	2		X	
	EB01	10/2/17	14:00	BW	2		X	
	~~SB02~~	"	10:30	"	2	X		
	EB02	10/2/17	17:00	BW	2	X		
	EB03	10/3/17	9:00	"	2	X		
	EB04	10/3/17	12:00	"	2	X		
	EB05	10/4/17	9:00	"	2	X		
	Site 3-GW-03GW01-20171004	10/4/17	9:00	GW	2	X		
	FRB03	10/4/17	9:05	BW	2	X		HOLD (Extract! Hold) MW 10/10/17
	Site 4-GW-04GW03-20171004	10/4/17	14:00	GW	2	X		

Relinquished by: (Signature) Meg Ruth	Received by: (Signature) / Carrier Tracking Number FedEx	Date: 10/6/17	Time: 15:40
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

revised COC received via email BSB 10/10/17

Vista Analytical

1104 Windfield Way
El Dorado Hills, CA 95762
TEL: 916-673-1520

1701432

Vista PM: Karen Volpendesta

CHAIN OF CUSTODY RECORD

DATE: 10/4/2017 – 10/5/2017
PAGE: 2 OF 3

LABORATORY CLIENT: AMEC Foster Wheeler E & I, Inc.
ADDRESS: 9210 Sky Park Court
CITY: San Diego, CA 92123
TEL: 503.639.3400
E-Mail: medora.hackler@amecfw.com
E-MAIL: marie.bevier@amecfw.com

CLIENT PROJECT NAME / NUMBER: BRAC PFAS, NAS Chase Field, TX - TO 0008
PROJECT CONTACT: Medora Hackler/Marie Bevier
SAMPLER(S): (SIGNATURE)

P.O. NO.: KMEA PO 555
CONTRACT NO.: N62473-16-D-2405
LAB USE ONLY

TURNAROUND TIME
☐ SAME DAY ☐ 24 HR ☐ 48HR ☐ 72 HR ☐ 5 DAYS ☒ 10 DAYS

SPECIAL REQUIREMENTS (ADDITIONAL COSTS MAY APPLY)
☐ RWQCB REPORTING ☐ ARCHIVE SAMPLES UNTIL ___/___/___

SPECIAL INSTRUCTIONS
FRB samples are only to be analyzed if associated field samples exhibit detection at or above LOQ.
* free product, petroleum hydrocarbon mixed in
**PFAS-18 compound list; see SAP WS#15

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	QC Level PEARL PFOA, PFOS, and PFBS (U.S. EPA 537 Mod.) 10/6/17 km	QC Level TestAmerica PFOA, PFOS, and PFBS (U.S. EPA 537) km 10/4/17	
	FRB08	10/4/17	14:05	BW	2	x		HOLD (Extract: Hold) km 10/4/17
	Site 4-GW-04GW02-20171004	10/4/17	16:00	GW	6	x		MS / MSD
	FRB07	10/4/17	16:05	BW	2	x		HOLD (Extract: Hold) km 10/6/17
	EB06	10/5/17	9:00	BW	2	x		
	Site 3-GW-MW1-20171005	10/5/17	9:20	GW	2	x		*
	FRB02	10/5/17	9:25	BW	2	x		HOLD (Extract: Hold) km 10/6/17
	Site 3-GW-421648-20171005	10/5/17	11:00	GW	2		x	
	DUP01	10/5/17	11:10	GW	2		x	
	FRB01	10/5/17	11:05	BW	2		x	HOLD (Extract: Hold) km 10/6/17
	Site 3-GW-03GW03-20171005	10/5/17	13:10	GW	2	x		

Relinquished by: (Signature)	Received by: (Signature) / Carrier Tracking Number: FedEx	Date: 10/6/17	Time: 15:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Revised COC received via email BSB 10/10/17

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1701432 **TAT** 10 business days

Samples Arrival:	**Date/Time** 10/07/17 0923	**Initials:** WWS	**Location:** WR-2 **Shelf/Rack:** N/a
Logged In:	**Date/Time** 10/07/17 0947 10/10/17	**Initials:** WWS BSB	**Location:** WR-2 **Shelf/Rack:** B-5

Delivered By:	(FedEx)	UPS	On Trac	GSO	DHL	Hand Delivered	Other
Preservation:	(Ice)		Blue Ice		Dry Ice		None

Temp °C: 0.9	(uncorrected)	**Time:** 0936	**Thermometer ID:** IR-1
Temp °C: 1.0	(corrected)	**Probe used:** Yes☐ No☒	

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill — Trk # 8081 9079 5264	✓		
Sample Container Intact?	✓		
Sample Custody Seals Intact?			✓
Chain of Custody / Sample Documentation Present?	✓		
COC Anomaly/Sample Acceptance Form completed?		✓	✓

If Chlorinated or Drinking Water Samples, Acceptable Preservation?					✓		
Preservation Documented:	$Na_2S_2O_3$	(Trizma)	(None)	(*)	(Yes)	No	NA
Shipping Container	(Vista)	Client	(Retain)	Return		Dispose	

Comments: samples received in 125mL HDPE bottles with an exception of samples:

* FRB01_20171005
* EB01_20171002
* DUP01 (B bottle has low volume)
~~* Site 3 GW 421648~~ WWS 10/04/17
* Site 3-DW-421648-20171005 (B bottle has low volume)

* received in 250mL HDPE bottles
(*) trizma present for DW sample

EXTRACTION INFORMATION

Process Sheet

Workorder: 1701432

Prep Expiration: 2017-Oct-16
Client: KMEA

Workorder Due: 23-Oct-17 00:00

TAT: 16

Method: **537 PFAS DW DoD Unmodified**
Matrix: **Drinking Water**

Prep Batch: B7J0077

Prep Data Entered: KC 10/16/17
Date and Initials

Version: 14 Analyte DW Full List
DoD: DoD QSM 5.1

Initial Sequence: _____

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1701432-01		☐	☐	EB01_20171002	" EB01 " JHC 10.13.17	WR-2 B-5	HDPE Bottle, 250 mL
1701432-15		☑	☑	Site 3-DW-421648-20171005		WR-2 B-5	HDPE Bottle, 250 mL
1701432-16		☐	☐	DUP01_20171005	" DUP01 " JHC 10.13.17	WR-2 B-5	HDPE Bottle, 250 mL
1701432-17		☐	☐	FRB01_20171005	" FRB01 " **Ext and Hold** JHC 10.13.17	WR-2 B-5	HDPE Bottle, 250 mL

Pre-Prep Check Out: JHC 10-13-17
Pre-Prep Check In: MA

Prep Check Out: MA
Prep Check In: MA

Prep Reconciled Initals/Date: JHC 10.13.17
Spike Reconciled Initals/Date: KC 10/13/17
VialBoxID: Scarleran Boat

Matrix: Drinking Water

Method: 537 PFAS DW DoD Unmodified

PREPARATION BENCH SHEET

B7J0077

Chemist: JC

Prep Date/Time: 13-Oct-17 08:31

Prepared using: LCMS - SPE Extraction-LCMS

BalanceID: HRMS-8

Cen	VISTA Sample ID	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	SS/NS CHEM/WIT DATE	SPE	IS CHEM/WIT DATE
☐	B7J0077-BLK1	NA	NA	(0.250)	JC KC 10-13-17	JC 10-13-17	KBF KC 10/14/17
☐	B7J0077-BS1 (A)						
☐	B7J0077-BS2 (B)						
☐	B7J0077-BS3 (C)						
☐	B7J0077-BS4						
☐	B7J0077-BS5						
☐	B7J0077-BSD1 (A)						
☐	~~1701416-01~~				JC 10-13-17		
☐	1701432-01	290.25	27.58	0.262167	JC KC 10-13-17	JC 10-13-17	KBF KC 10/14/17
☒	1701432-15	280.78	27.79	0.25299			
☒	1701432-16	284.88	27.18	0.25770			
☒	1701432-17	279.20	27.26	0.25194			

SS/IS: 17F1415, 50 µL (V2)

NS: (A) 17J2601, 10µL V2
(B) 17J1305, 10µL

IS/RS: (C) 17J1305, 20µL
17F1416, 50µL (V2)

SPE Chem: Strata X-33µm 500mg 6mL
Lot#:

Ele SOLV: MeOH
Lot#: DS 744

Final Volume(s): 1mL

Notes:

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

Batch: B7J0077

Matrix: Drinking Water

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
~~1701416-01~~	~~0.25~~			~~1000~~	~~13-Oct-17 08:31~~	~~HAC~~			~~Drinking Water~~	~~537 PFAS DW DoD Unmod~~
1701432-01	0.26267 ✓	NA	NA	1000	13-Oct-17 08:31	HAC			Blank Water	537 PFAS DW DoD Unmod
1701432-15	0.25299 ✓			1000	13-Oct-17 08:31	HAC			Drinking Water	537 PFAS DW DoD Unmod
1701432-16	0.2577 ✓			1000	13-Oct-17 08:31	HAC			Drinking Water	537 PFAS DW DoD Unmod
1701432-17	0.25194 ✓			1000	13-Oct-17 08:31	HAC			Blank Water	537 PFAS DW DoD Unmod
B7J0077-BLK1	0.25 ✓			1000	13-Oct-17 08:31	HAC				QC
B7J0077-BS1	0.25 ✓			1000	13-Oct-17 08:31	HAC	17I2601 ✓	10 ✓		QC
B7J0077-BS2	0.25 ✓			1000	13-Oct-17 08:31	HAC	17J1305 ✓	10 ✓		QC
B7J0077-BS3	0.25 ✓			1000	13-Oct-17 08:31	HAC	17J1305 ✓	20 ✓		QC
B7J0077-BS4	0.25 ✓			1000	13-Oct-17 08:31	HAC	17J1305 ✓	20 ✓		QC
B7J0077-BS5	0.25 ✓			1000	13-Oct-17 08:31	HAC	17J1305 ✓	20 ✓		QC
B7J0077-BSD1	0.25 ✓			1000	13-Oct-17 08:31	HAC	17I2601 ✓	10 ✓		QC

KC 10/16/17

KC 10/16/17

Process Sheet

Workorder: 1701432

Prep Expiration: 2017-Oct-16
Client: KMEA

Workorder Due: 23-Oct-17 00:00

TAT: 16

Method: **537M PFAS DOD (LOQ as mRL)**
Matrix: **Aqueous**

Prep Batch: B7J0071

Prep Data Entered: KC 10/13/17
Date and Initials

Version: TX+MeFOSAA+EtFOSAA (18 Analytes)
DoD: DoD QSM 5.1

Initial Sequence: _____

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1701432-02	A	☐	☐	EB02_20171002 "EB02" 10/12/17 HN ✓		WR-2 B-5	HDPE Bottle, 125 mL
1701432-03		☐	☐	EB03_20171003 "EB03" 10/12/17 HN ✓		WR-2 B-5	HDPE Bottle, 125 mL
1701432-04		☐	☐	EB04_20171003 "EB04" 10/12/17/HN ✓		WR-2 B-5	HDPE Bottle, 125 mL
1701432-05		☐	☐	EB05_20171004 "EB05" 10/12/17 HN ✓		WR-2 B-5	HDPE Bottle, 125 mL
1701432-06		☑	☑	Site 3-GW-03GW01-20171004		WR-2 B-5	HDPE Bottle, 125 mL
1701432-07		☐	☑	FRB03_20171004 "FRB03" 10/12/17 HN ✓	**Ext and Hold**	WR-2 B-5	HDPE Bottle, 125 mL
1701432-08		☑	☑	Site 4-GW-04GW03-20171004		WR-2 B-5	HDPE Bottle, 125 mL
1701432-09		☐	☐	FRB08_20171004 "FRB08" 10/12/17 HN ✓	**Ext and Hold**	WR-2 B-5	HDPE Bottle, 125 mL
1701432-10	A,B,C	☑	☑	Site 4-GW-04GW02-20171004	**MS/MSD**	WR-2 B-5	HDPE Bottle, 125 mL
1701432-11	A	☐	☐	FRB07_20171004 "FRB07" 10/12/17 HN ✓	**Ext and Hold**	WR-2 B-5	HDPE Bottle, 125 mL
1701432-12		☐	☐	EB06_20171005 "EB06" 10/12/17 HN		WR-2 B-5	HDPE Bottle, 125 mL
1701432-13		☑	☑	Site 3-GW-MW1-20171005		WR-2 B-5	HDPE Bottle, 125 mL
1701432-14		☐	☐	FRB02_20171005 "FRB02" ✓ 10/12/17 HN	**Ext and Hold**	WR-2 B-5	HDPE Bottle, 125 mL
1701432-18		☑	☑	Site 3-GW-03GW03-20171005		WR-2 B-5	HDPE Bottle, 125 mL

Pre-Prep Check Out: HN 10/12/17
Pre-Prep Check In: NA

Prep Check Out: NA
Prep Check In: NA

Prep Reconciled Initals/Date: HN 10/12/17
Spike Reconciled Initals/Date: HC 10.12.17
VialBoxID: Power

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/
Method: 537M PFAS DOD (LOQ as mRL)

B7J0071

Chemist: G. Mendiola

Prep Date/Time: 12-Oct-17 10:18

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: HN 10/12/17 | BalanceID: HRMS 8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
☐	B7J0071-BLK1	~~25~~ 10/12/17	2	0	2	~~144.02~~ 10.12.17 NA	NA	(0.125)	KC 10/12/17	KC 10/12/17	KC 10-12-17
☐	B7J0071-BS1	~~25~~ 10/12/17	2	0	2	~~146.88~~ NA	↓	↓	↓	↓	↓
☑	B7J0071-MS1 1701432-10	7	2	0	4	144.38	27.26	0.11712			
☑	B7J0071-MSD1 1701432-10	7	2	0	4	137.45	27.09	0.11036			
☐	1701430-02RE1 (A) (B)	7	2	0	2	136.59	26.42	0.11017			
☑	1701432-02	6	2	0	2	136.51	27.40	0.10911 ✓			
☐	1701432-03	5	2	0	2	141.51	27.06	0.11445 ✓			
☐	1701432-04	5	2	0	2	141.72	26.98	0.11474 ✓			
☐	1701432-05	5	2	0	3	146.22	27.03	0.11919 ✓			
☐	1701432-06	6	2	0	3	146.29	27.45	0.11884 ✓			
☐	1701432-07	5	2	0	2	154.72	27.02	0.12770 ✓			
☑	1701432-08	7	2	0	3	142.20	27.04	0.11516			
☐	1701432-09	5	2	0	2	148.77	27.06	0.12171			
☑	1701432-10	7	2	0	3	134.55	27.08	0.10747 ✓			
☐	1701432-11	6	2	0	2	145.01	27.05	0.11796			
☐	1701432-12	5	2	0	2	153.74	27.39	0.12635 ✓			

IS: 17I3002, 10µL (V4)
IS SUP: NA
NS: 17G2428, 10µL (V1)
RS: 17I2619, 10µL (V3)

SPE Chem: Strata-X-AW 33µm 200mg/6mL
Ele SOLV: MeOH/1.5%NH4OH in MeOH
Final Volume(s): 1mL

Notes: (A) 10mL transferred to 125mL HDPE bottle. Volume brought up to 125mL using HPLC H2O 10.12.17
(B) One of the samples did not receive IS/NS spikes KC 10/12/17

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/
Method: 537M PFAS DOD (LOQ as mRL)

B7J0071

Chemist: G. Mendiola

Prep Date/Time: 12-Oct-17 10:18

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: HN 10/12/17 | BalanceID: HRMS 8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
☑	1701432-13 (B)	7	2	0	3	147.95	27.13	0.11987	HN KC 10/12/17	KC 10/12/17	KC 10-12-17
☐	1701432-14	5	2	0	2	147.54	27.41	0.12013	↓	↓	↓
☐	1701432-18	6	2	0	4	156.43	27.20	0.12923	↓	↓	↓

IS: 17I3002, 10 µL (V4)
IS SUP: NA
NS: 17G2428, 10 µL (V1)
RS: 17I2619, 10 µL (V3)

SPE Chem: Strata-X-AW 33 µm 200mg/6mL
Ele SOLV: MeOH/.5%NH4OH:inMeOH
Final Volume(s): 1 mL

Notes:
(B) One of the samples did not receive IS/NS. KC 10/12/17

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M Linear All/Branched/Total PFHxS/PFOA/
Method: 537M PFAS DOD (LOQ as mRL)

B7J0071

Chemist: G. Mendiola

Prep Date/Time: 12-Oct-17 10:18

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: 10-12-17 HC

BalanceID: HRMS-8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE	RS CHEM/WIT DATE
☒	B7J0071-BLK1					HC 10.12.17					
☐	B7J0071-BS1										
☐	B7J0071-BSD1	5	2	0	2	NA	NA	(0.125)	dm KC 10/12/17	KC HC 10-12-17	HC KC 10.12.17
☐	B7J0071-MS1 1701432-10										
☐	B7J0071-MSD1 1701432-10						HC 10.12.17				
☐	1701346-01RE1 (B)	5	2	0	2	133.71	26.89	0.10682	dm KC 10/12/17	KC HC 10/12/17	HC KC 10/12/17
☐	1701346-02RE1	5	2	0	2	144.78	27.03	0.11775	↓	↓	↓
☐	1701430-02RE1						HC	10.12.17			
☐	1701432-02										
☐	1701432-03										
☐	1701432-04										
☐	1701432-05					HC 10.12.17					
☐	1701432-06										
☐	1701432-07										
☐	1701432-08										
☒	1701432-09										

IS: 17I3002, 10µL (V4)

IS SUP: NA

NS: 17G2428, 10µL (V1)

RS: 17I2019, 10µL V5

SPE Chem: Strata-X-AW 33µm 200mg 6mL

Ele SOLV: MeOH/1-5% NH4OH in MeOH

Final Volume(s) 1mL

Notes:
(B) One of the samples did not receive IS/NS. KC 10/12/17

Comments: Assume 1 g = 1 mL
Cen = Centrifuged

Batch: B7J0071

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1701346-01RE1	0.10682 ✓	NA	NA	1000	12-Oct-17 10:18	HAC			QC Water	537M PFAS DOD (LOQ as
1701346-02RE1	0.11775 ✓	↓	↓	1000	12-Oct-17 10:18	HAC			QC Water	537M PFAS DOD (LOQ as
1701430-02RE1	0.11017 ✓			1000	12-Oct-17 10:18	HAC			Aqueous	537M Linear All/Branched/
1701432-02	0.10911 ✓			1000	12-Oct-17 10:18	HAC			Blank Water	537M PFAS DOD (LOQ as
1701432-03	0.11445 ✓			1000	12-Oct-17 10:18	HAC			Blank Water	537M PFAS DOD (LOQ as
1701432-04	0.11474 ✓			1000	12-Oct-17 10:18	HAC			Blank Water	537M PFAS DOD (LOQ as
1701432-05	0.11919 ✓			1000	12-Oct-17 10:18	HAC			Blank Water	537M PFAS DOD (LOQ as
1701432-06	0.11884 ✓			1000	12-Oct-17 10:18	HAC			Groundwater	537M PFAS DOD (LOQ as
1701432-07	0.1277 ✓			1000	12-Oct-17 10:18	HAC			Blank Water	537M PFAS DOD (LOQ as
1701432-08	0.11516 ✓			1000	12-Oct-17 10:18	HAC			Groundwater	537M PFAS DOD (LOQ as
1701432-09	0.12171 ✓			1000	12-Oct-17 10:18	HAC			Blank Water	537M PFAS DOD (LOQ as
1701432-10	0.10747 ✓			1000	12-Oct-17 10:18	HAC			Groundwater	537M Linear All/Branched/
1701432-10	0.10747 ✓			1000	12-Oct-17 10:18	HAC			Groundwater	537M PFAS DOD (LOQ as
1701432-11	0.11796 ✓			1000	12-Oct-17 10:18	HAC			Blank Water	537M PFAS DOD (LOQ as
1701432-12	0.12635 ✓			1000	12-Oct-17 10:18	HAC			Blank Water	537M PFAS DOD (LOQ as
1701432-13	0.11987 ✓			1000	12-Oct-17 10:18	HAC			Groundwater	537M PFAS DOD (LOQ as
1701432-14	0.12013 ✓			1000	12-Oct-17 10:18	HAC			Blank Water	537M PFAS DOD (LOQ as
1701432-18	0.12923 ✓			1000	12-Oct-17 10:18	HAC			Groundwater	537M PFAS DOD (LOQ as
B7J0071-BLK1	0.125 ✓			1000	12-Oct-17 10:18	HAC				QC
B7J0071-BS1	0.125 ✓			1000	12-Oct-17 10:18	HAC	17G2428 ✓	10 ✓		QC
B7J0071-BSD1	0.125 ✓			1000	12-Oct-17 10:18	HAC	17G2428 ✓	10 ✓		QC
B7J0071-MS1	0.11712 ✓			1000	12-Oct-17 10:18	HAC	17G2428 ✓	10 ✓		QC
B7J0071-MSD1	0.11036 ✓	✓	✓	1000	12-Oct-17 10:18	HAC	17G2428 ✓	10 ✓		QC

KC 10/13/17

Process Sheet

Workorder: 1701432

Prep Expiration: 2017-Oct-18
Client: KMEA

Workorder Due: 23-Oct-17 00:00
TAT: 16

Method: **537M PFAS DOD (LOQ as mRL)**
Matrix: **Aqueous**
Client Matrix: Groundwater

Prep Batch: B7J0092

Prep Data Entered: 10.18.17 HC
Date and Initials

Version: TX+MeFOSAA+EtFOSAA (18 Analytes)
DoD: DoD QSM 5.1

Initial Sequence: _____

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
~~1701432-06~~		☐	☐	~~Site 3-GW-03GW01-20171004~~		WR-2 B-5	HDPE Bottle, 125 mL
1701432-08	B	☑	☑	Site 4-GW-04GW03-20171004		WR-2 B-5	HDPE Bottle, 125 mL
~~1701432-10~~		☐	☐	~~Site 4-GW-04GW02-20171004~~	~~MS/MSD~~	WR-2 B-5	HDPE Bottle, 125 mL
1701432-13		☐	☐	~~Site 3-GW-MW1-20171005~~		WR-2 B-5	HDPE Bottle, 125 mL
~~1701432-18~~		☐	☐	~~Site 3-GW-03GW03-20171005~~		WR-2 B-5	HDPE Bottle, 125 mL

Pre-Prep Check Out: KC 10/16/17
Pre-Prep Check In: KC 10/16/17

Prep Check Out: KC 10/17/17
Prep Check In: NA

Prep Reconciled Initals/Date: KC 10/16/17
Spike Reconciled Initals/Date: HC 10-17-17
VialBoxID: Funday

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

PREPARATION BENCH SHEET

B7J0092

Chemist: JC

Prep Date/Time: 16-Oct-17 08:43

10.17.17

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: KC 10/16/17 | BalanceID: HRMS-8

Cen	VISTA Sample ID	pH Before	pH After	Chlorine (Cl)	Drops HCl Added	Bottle + Sample (g)	Bottle Only (g)	Sample Amt. (L)	IS/NS CHEM/WIT DATE	SPE KC 10/17/17	RS CHEM/WIT DATE
☐	B7J0092-BLK1	5	2	0	2	NA	NA	(0.125)	JC KC 10.17.17	KC ~~10/17/17~~	JC KC 10.17.17
☐	B7J0092-BS1	5	2	0	2	↓	↓	(0.125)	↓	↓	↓
☐	1701432-08RE1 A	7	2	0	3	88.07	27.17	0.06090	✓		
☐	1701439-01	5	2	0	2	147.33	27.22	0.12006			
☐	1701439-02	6	2	0	3	142.96	27.18	0.11578			
☐	1701439-03	4	2	0	2	147.58	27.17	0.12041			
☐	1701439-04	5	2	0	4	146.69	27.09	0.11960			
☐	1701439-05	5	2	0	2	146.65	27.18	0.11947			

IS: 17I3002, 10µL (V4)

IS SUP: NA

NS: 17G2428, 10µL (V1)

RS: 17I2619, 10µL (V3)

SPE Chem: Strata X AW 33µm 200mg/6mL

Ele SOLV: MeOH/.5%NH4OH in MeOH

Final Volume(s) 1mL

Notes: (A) Spilled while prepping, low volume. KC 10/16/17

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

Batch: B7J0092

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1701432-08RE1	0.0609	NA	NA	1000	17-Oct-17 08:43	HAC			Groundwater	537M PFAS DOD (LOQ as
1701439-01	0.12006			1000	17-Oct-17 08:43	HAC			Blank Water	537M PFAS DOD (LOQ as
1701439-02	0.11578			1000	17-Oct-17 08:43	HAC			Blank Water	537M PFAS DOD (LOQ as
1701439-03	0.12041			1000	17-Oct-17 08:43	HAC			Blank Water	537M PFAS DOD (LOQ as
1701439-04	0.1196			1000	17-Oct-17 08:43	HAC			Blank Water	537M PFAS DOD (LOQ as
1701439-05	0.11947			1000	17-Oct-17 08:43	HAC			Blank Water	537M PFAS DOD (LOQ as
B7J0092-BLK1	0.125			1000	17-Oct-17 08:43	HAC				QC
B7J0092-BS1	0.125			1000	17-Oct-17 08:43	HAC	17G2428	10		QC

10-18-17

SAMPLE DATA –EPA METHOD 537

Vista Analytical Laboratory

Rev'd: MM 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-17.qld

Last Altered: Sunday, October 29, 2017 14:21:42 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:22:01 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_17, Date: 15-Oct-2017, Time: 21:55:28, ID: B7J0077-BLK1 LRB 0.25, Description: LRB

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBS	299 > 79.7		7.85e3	0.2500		2.91				
2	2	PFHxA	313.2 > 268.9	3.78e1	6.30e3	0.2500		3.32	3.33	0.0601	1.189	
3	3	PFHpA	363 > 318.9		6.30e3	0.2500		3.82				
4	4	PFHxS	398.9 > 79.6		7.85e3	0.2500		3.94				
5	5	PFOA	413 > 368.7	2.09e1	6.30e3	0.2500		4.23	4.23	0.0332	0.174	
6	6	PFNA	463 > 418.8		6.30e3	0.2500		4.58				
7	7	PFOS	499 >79.9		7.85e3	0.2500		4.63				
8	8	PFDA	513 > 468.8	1.95e1	6.30e3	0.2500		4.87	4.86	0.0309	0.208	
9	9	N-MeFOSAA	570.1 > 419.0		4.16e3	0.2500		5.00				
10	10	N-EtFOSAA	584.2 >419.0		4.16e3	0.2500		5.12				
11	11	PFUnA	563 > 518.9		6.30e3	0.2500		5.14				
12	12	PFDoA	612.9 > 318.8		6.30e3	0.2500		5.37				
13	13	PFTrDA	662.9 > 618.9		6.30e3	0.2500		5.57				
14	14	PFTeDA	712.9 > 668.8		6.30e3	0.2500		0.06				
15	15	13C2-PFHxA	315 > 269.8	2.51e3	6.30e3	0.2500	0.422	3.32	3.33	3.98	37.761	94.4
16	16	13C2-PFDA	515.1 > 469.9	3.40e3	6.30e3	0.2500	0.491	4.87	4.86	5.40	44.007	110.0
17	17	d5-N-EtFOSAA	589.3 > 419.0	4.34e3	4.16e3	0.2500	1.110	4.99	5.11	41.7	150.373	94.0
18	18	13C2-PFOA	414.9 > 369.7	6.30e3	6.30e3	0.2500	1.000	4.17	4.23	10.0	40.000	100.0
19	19	13C4-PFOS	503.0 > 79.9	7.85e3	7.85e3	0.2500	1.000	4.58	4.63	28.7	114.800	100.0
20	20	d3-N-MeFOSAA	573.3 > 419.0	4.16e3	4.16e3	0.2500	1.000	4.94	4.99	40.0	160.000	100.0

AC 10/29/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

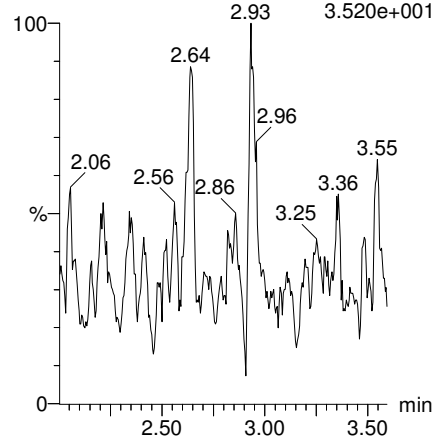
Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-17.qld

Last Altered: Sunday, October 29, 2017 14:21:42 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:22:01 Pacific Daylight Time

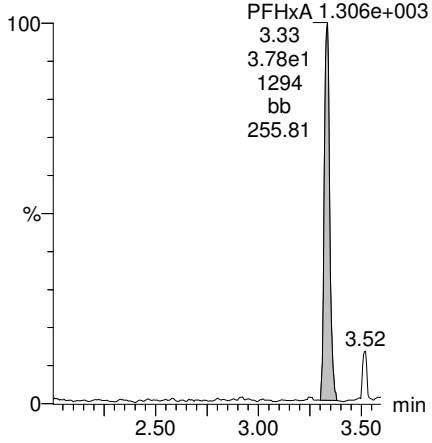
Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_17, Date: 15-Oct-2017, Time: 21:55:28, ID: B7J0077-BLK1 LRB 0.25, Description: LRB

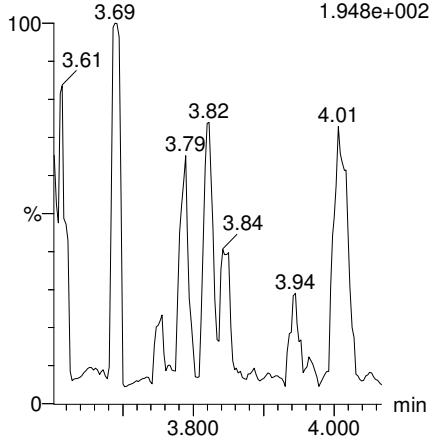
PFBS



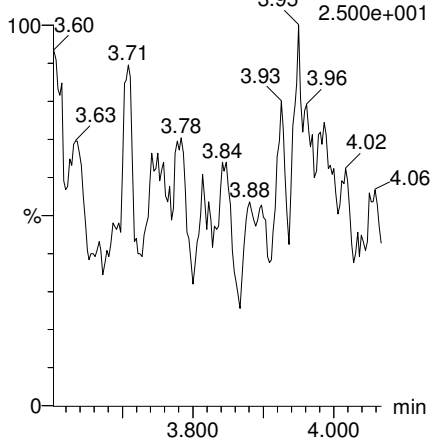
PFHxA



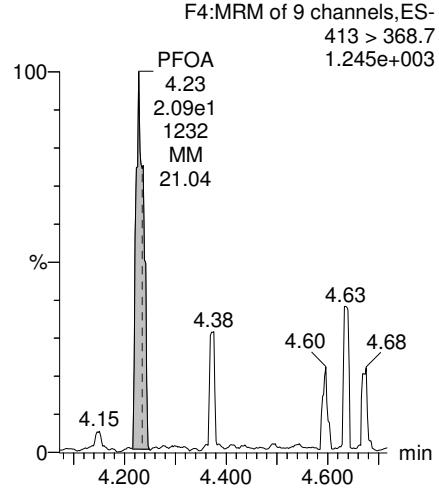
PFHpA



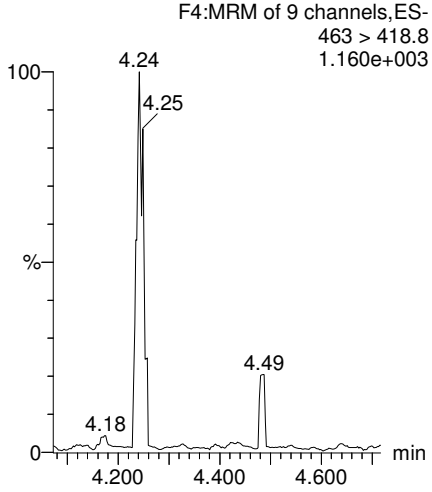
PFHxS



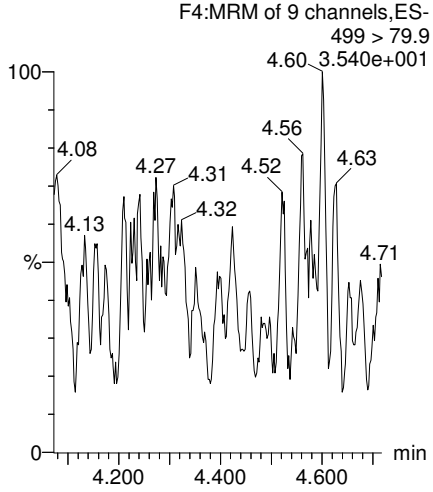
PFOA



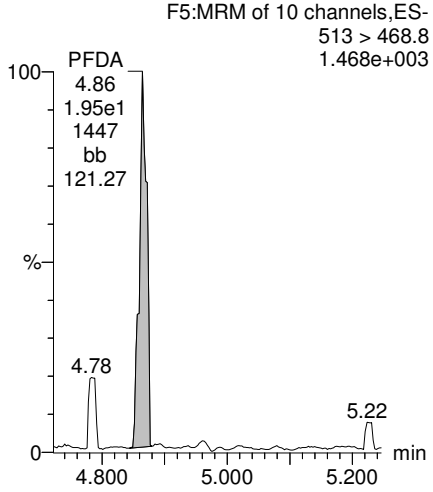
PFNA



PFOS



PFDA



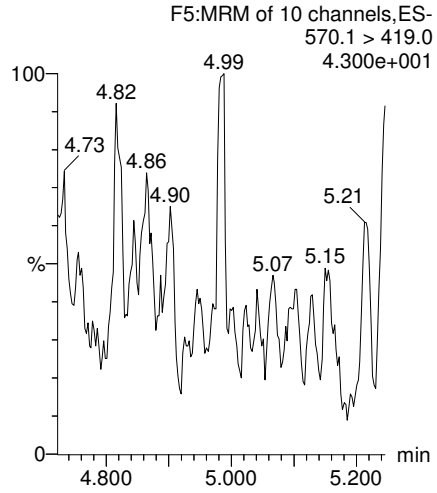
AC 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-17.qld

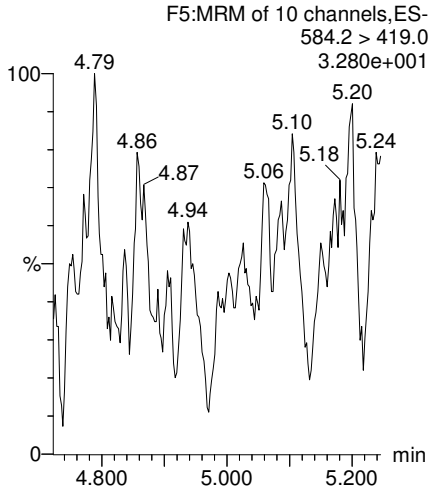
Last Altered: Sunday, October 29, 2017 14:21:42 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:22:01 Pacific Daylight Time

Name: 171015G2_17, Date: 15-Oct-2017, Time: 21:55:28, ID: B7J0077-BLK1 LRB 0.25, Description: LRB

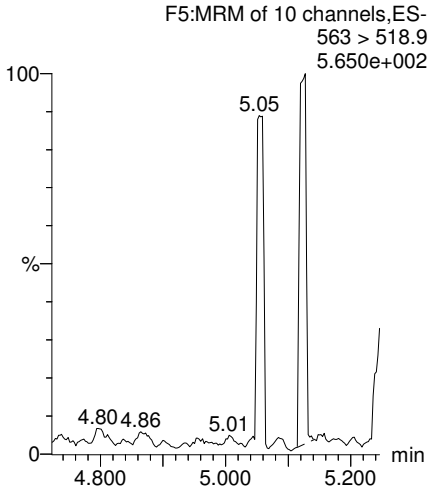
N-MeFOSAA



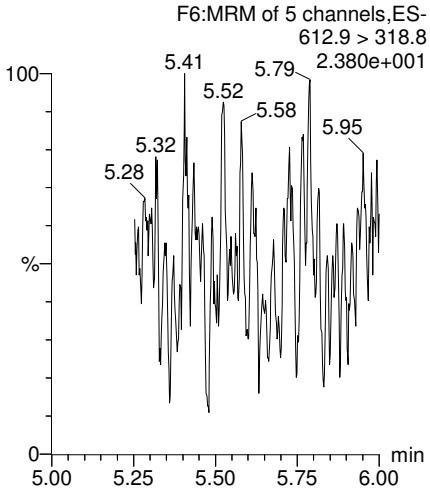
N-EtFOSAA



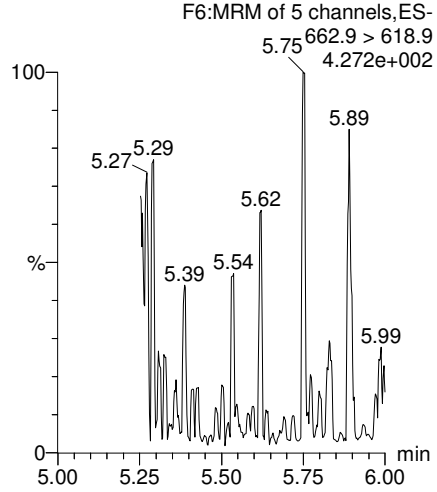
PFUnA



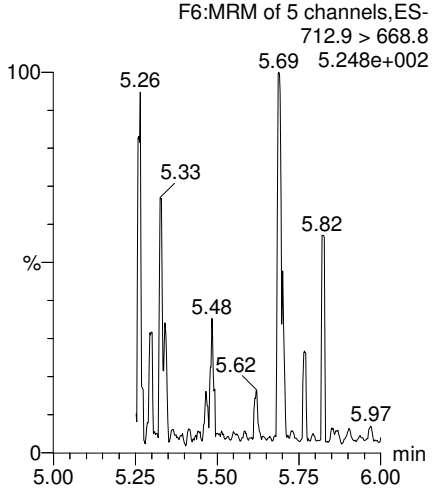
PFDoA



PFTrDA



PFTeDA



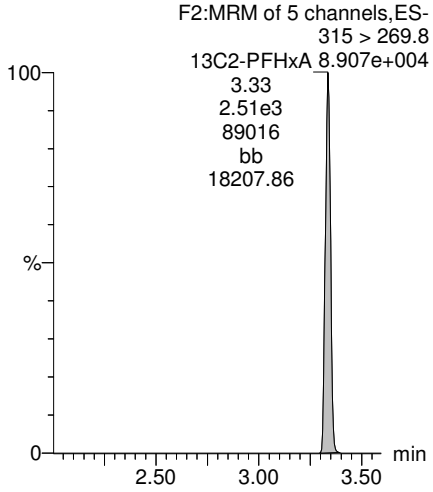
AC 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-17.qld

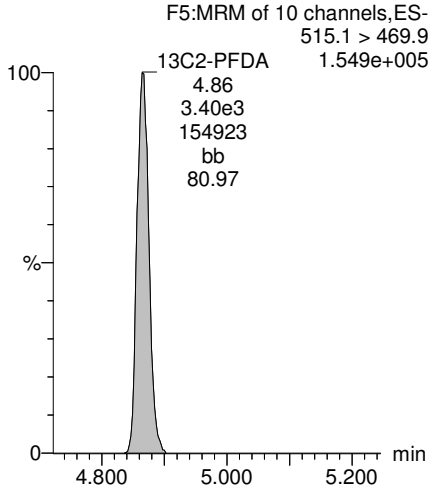
Last Altered: Sunday, October 29, 2017 14:21:42 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:22:01 Pacific Daylight Time

Name: 171015G2_17, Date: 15-Oct-2017, Time: 21:55:28, ID: B7J0077-BLK1 LRB 0.25, Description: LRB

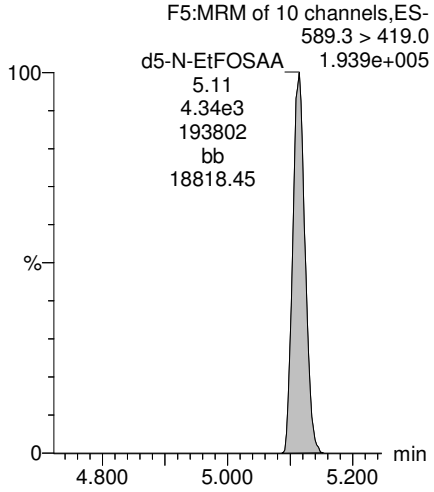
13C2-PFHxA



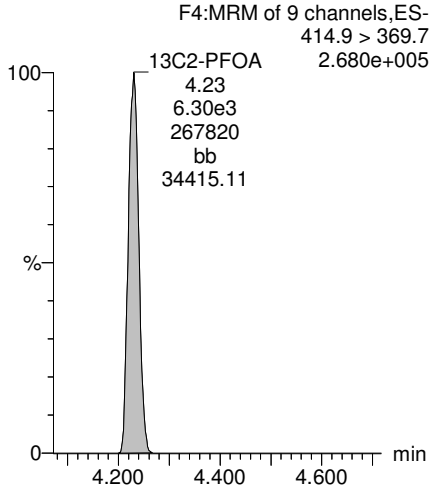
13C2-PFDA



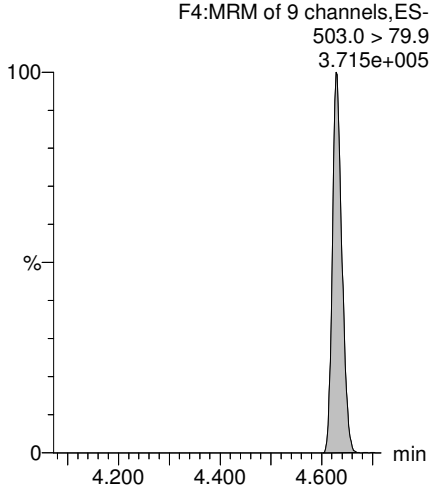
d5-N-EtFOSAA



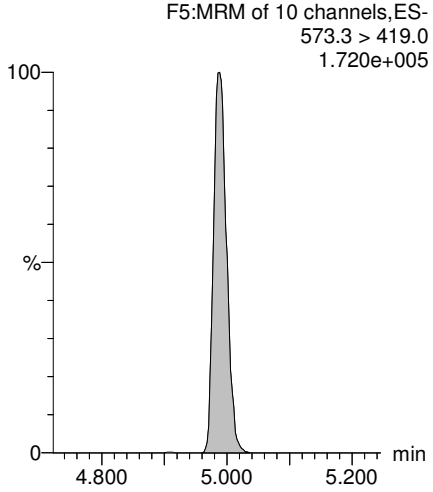
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA



AC 10/29/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-14.qld

Last Altered: Sunday, October 29, 2017 14:18:20 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:18:42 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_14, Date: 15-Oct-2017, Time: 21:18:16, ID: B7J0077-BS1 LFB 0.25, Description: LFB

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBS	299 > 79.7	1.90e3	7.26e3	0.2500		2.91	2.95	7.51	33.092	93.5
2	2	PFHxA	313.2 > 268.9	1.33e3	6.75e3	0.2500		3.32	3.33	1.97	39.036	97.6
3	3	PFHpA	363 > 318.9	4.70e3	6.75e3	0.2500		3.82	3.83	6.96	37.453	93.6
4	4	PFHxS	398.9 > 79.6	2.18e3	7.26e3	0.2500		3.94	3.95	8.61	33.507	91.9
5	5	PFOA	413 > 368.7	4.90e3	6.75e3	0.2500		4.23	4.23	7.26	38.142	95.4
6	6	PFNA	463 > 418.8	5.92e3	6.75e3	0.2500		4.58	4.56	8.77	41.505	103.8
7	7	PFOS	499 >79.9	2.41e3	7.26e3	0.2500		4.63	4.63	9.52	35.165	95.1
8	8	PFDA	513 > 468.8	3.55e3	6.75e3	0.2500		4.87	4.86	5.25	35.605	89.0
9	9	N-MeFOSAA	570.1 > 419.0	2.39e3	3.98e3	0.2500		5.00	4.99	24.0	41.984	105.0
10	10	N-EtFOSAA	584.2 >419.0	1.61e3	3.98e3	0.2500		5.12	5.11	16.1	45.104	112.8
11	11	PFUnA	563 > 518.9	2.92e3	6.75e3	0.2500		5.14	5.12	4.33	33.731	84.3
12	12	PFDoA	612.9 > 318.8	6.43e2	6.75e3	0.2500		5.37	5.33	0.953	33.081	82.7
13	13	PFTrDA	662.9 > 618.9	5.40e3	6.75e3	0.2500		5.57	5.53	8.00	33.554	83.9
14	14	PFTeDA	712.9 > 668.8	5.50e3	6.75e3	0.2500		0.06	5.69	8.14	37.496	93.7
15	15	13C2-PFHxA	315 > 269.8	2.70e3	6.75e3	0.2500	0.422	3.32	3.33	4.00	37.906	94.8
16	16	13C2-PFDA	515.1 > 469.9	3.33e3	6.75e3	0.2500	0.491	4.87	4.86	4.94	40.224	100.6
17	17	d5-N-EtFOSAA	589.3 > 419.0	3.69e3	3.98e3	0.2500	1.110	4.99	5.11	37.1	133.489	83.4
18	18	13C2-PFOA	414.9 > 369.7	6.75e3	6.75e3	0.2500	1.000	4.17	4.23	10.0	40.000	100.0
19	19	13C4-PFOS	503.0 > 79.9	7.26e3	7.26e3	0.2500	1.000	4.58	4.63	28.7	114.800	100.0
20	20	d3-N-MeFOSAA	573.3 > 419.0	3.98e3	3.98e3	0.2500	1.000	4.94	4.99	40.0	160.000	100.0

AC 10/29/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

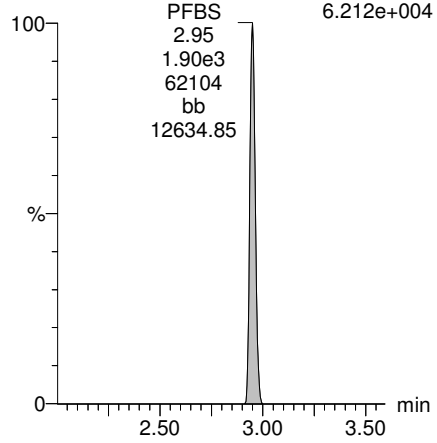
Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-14.qld

Last Altered: Sunday, October 29, 2017 14:18:20 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:18:42 Pacific Daylight Time

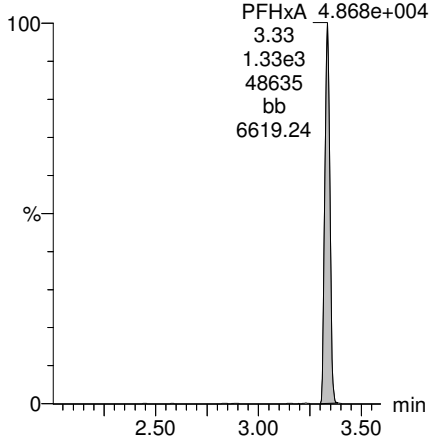
Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_14, Date: 15-Oct-2017, Time: 21:18:16, ID: B7J0077-BS1 LFB 0.25, Description: LFB

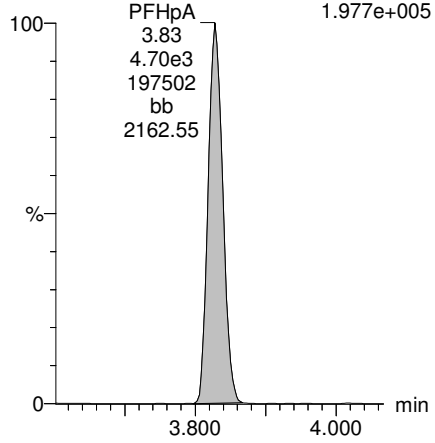
PFBS



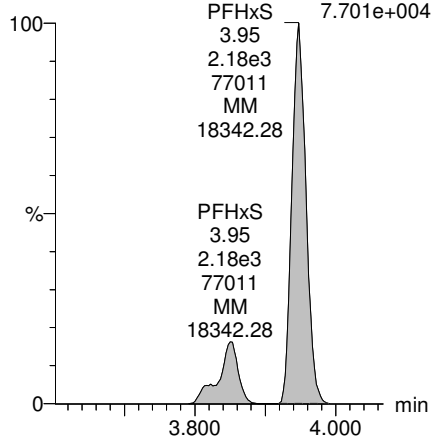
PFHxA



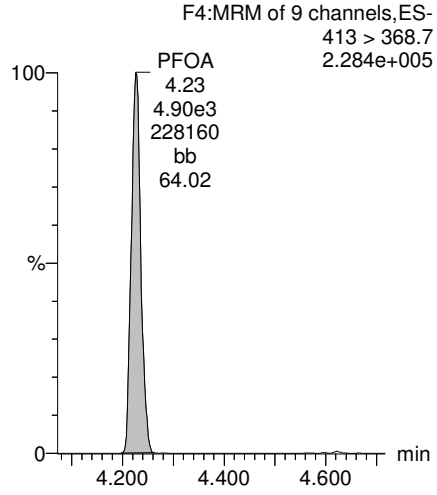
PFHpA



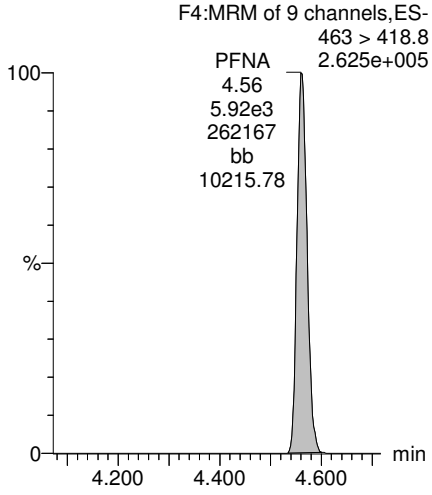
PFHxS



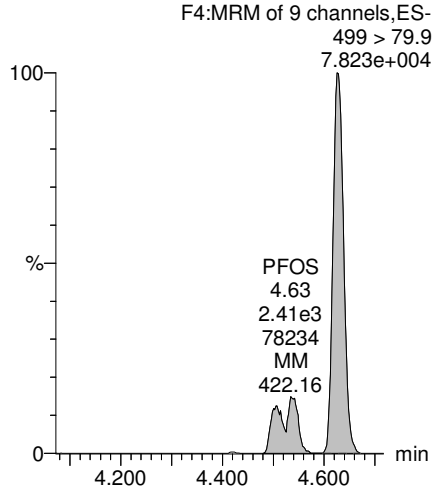
PFOA



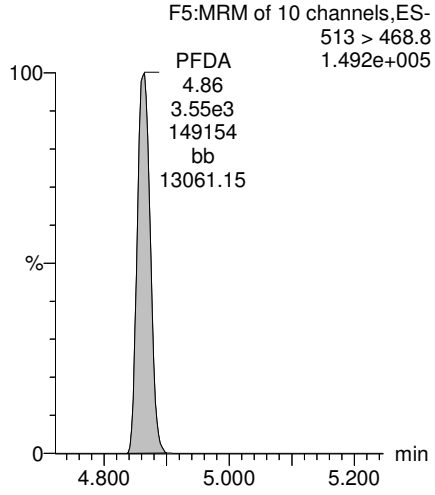
PFNA



PFOS



PFDA



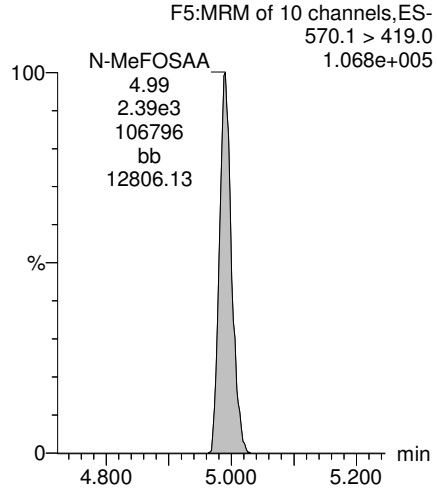
AC 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-14.qld

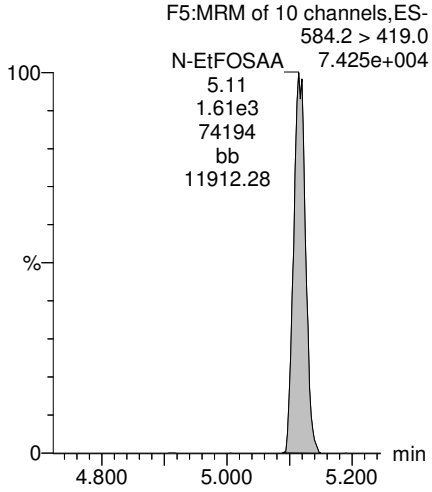
Last Altered: Sunday, October 29, 2017 14:18:20 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:18:42 Pacific Daylight Time

Name: 171015G2_14, Date: 15-Oct-2017, Time: 21:18:16, ID: B7J0077-BS1 LFB 0.25, Description: LFB

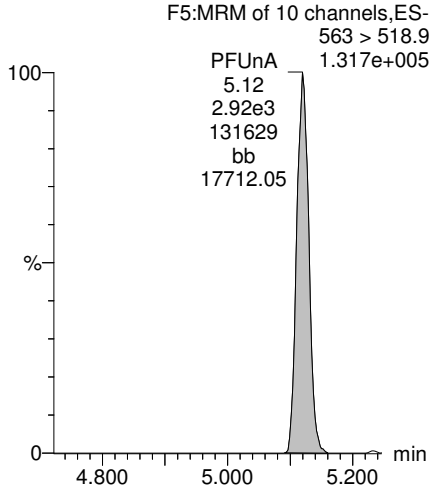
N-MeFOSAA



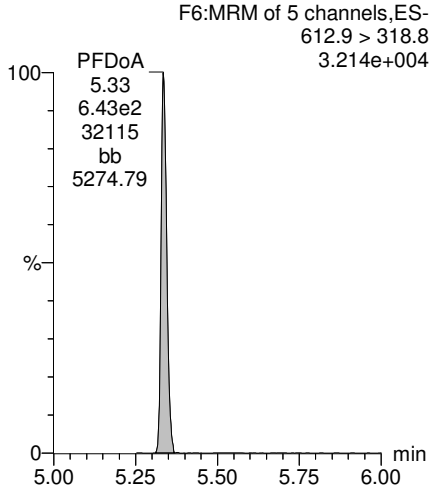
N-EtFOSAA



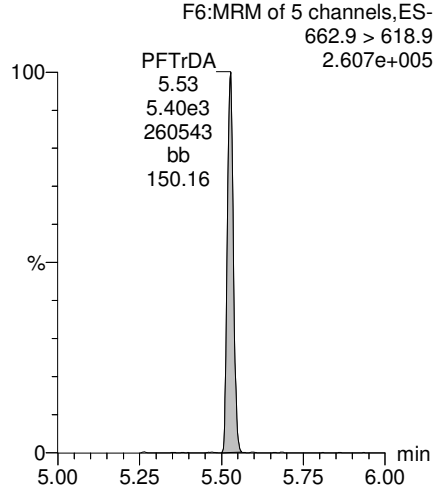
PFUnA



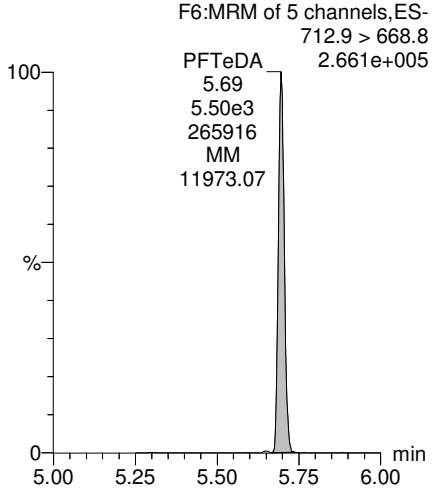
PFDoA



PFTrDA



PFTeDA



AC 10/29/17

Vista Analytical Laboratory

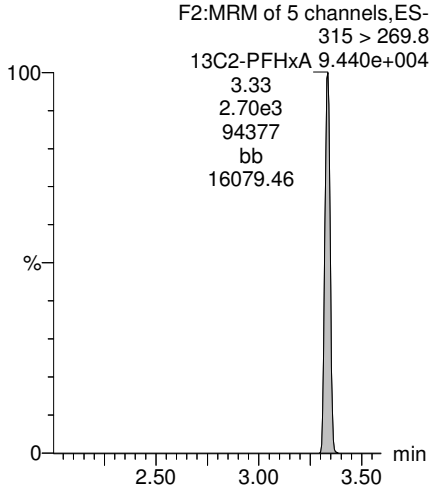
Rev'd: MM 10/30/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-14.qld

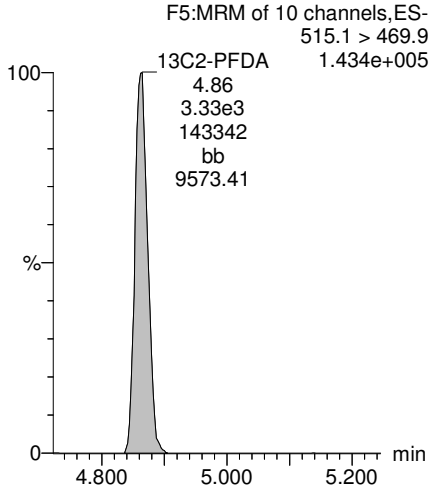
Last Altered: Sunday, October 29, 2017 14:18:20 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:18:42 Pacific Daylight Time

Name: 171015G2_14, Date: 15-Oct-2017, Time: 21:18:16, ID: B7J0077-BS1 LFB 0.25, Description: LFB

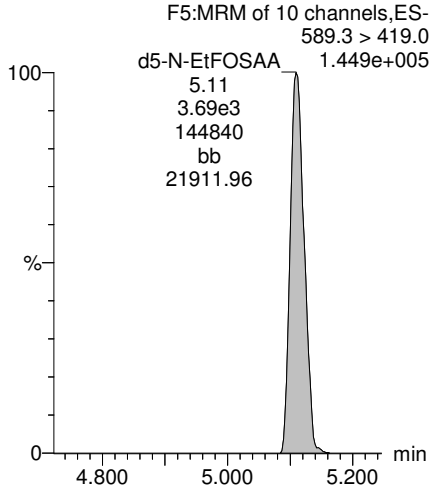
13C2-PFHxA



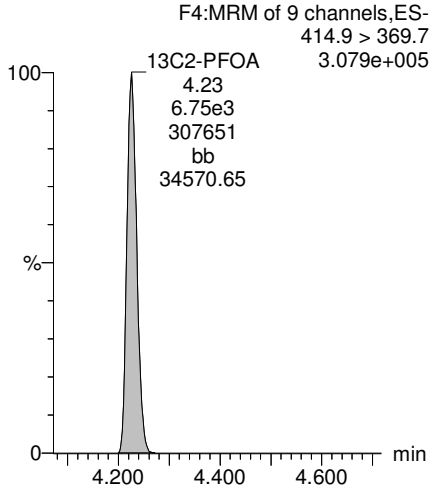
13C2-PFDA



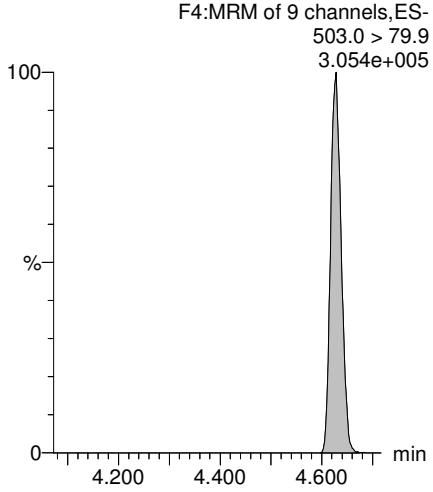
d5-N-EtFOSAA



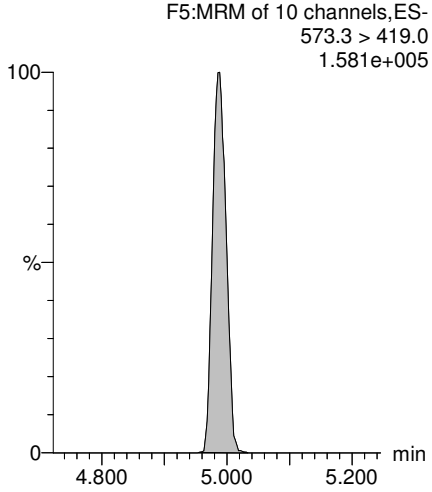
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA



AC 10/29/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-15.qld

Last Altered: Sunday, October 29, 2017 15:29:11 Pacific Daylight Time
Printed: Sunday, October 29, 2017 15:30:47 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_15, Date: 15-Oct-2017, Time: 21:30:39, ID: B7J0077-BSD1 LFBD 0.25, Description: LFBD

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBS	299 > 79.7	1.78e3	6.87e3	0.2500		2.91	2.95	7.45	32.823	92.7
2	2	PFHxA	313.2 > 268.9	1.16e3	6.28e3	0.2500		3.32	3.33	1.85	36.610	91.5
3	3	PFHpA	363 > 318.9	4.34e3	6.28e3	0.2500		3.82	3.83	6.91	37.172	92.9
4	4	PFHxS	398.9 > 79.6	2.04e3	6.87e3	0.2500		3.94	3.95	8.54	33.227	91.1
5	5	PFOA	413 > 368.7	4.56e3	6.28e3	0.2500		4.23	4.23	7.26	38.142	95.4
6	6	PFNA	463 > 418.8	5.33e3	6.28e3	0.2500		4.58	4.56	8.50	40.197	100.5
7	7	PFOS	499 >79.9	2.43e3	6.87e3	0.2500		4.63	4.63	10.1	37.439	101.3
8	8	PFDA	513 > 468.8	3.53e3	6.28e3	0.2500		4.87	4.86	5.63	38.186	95.5
9	9	N-MeFOSAA	570.1 > 419.0	1.83e3	4.15e3	0.2500		5.00	4.99	17.6	30.961	77.4
10	10	N-EtFOSAA	584.2 >419.0	1.29e3	4.15e3	0.2500		5.12	5.12	12.5	34.810	87.0
11	11	PFUnA	563 > 518.9	2.93e3	6.28e3	0.2500		5.14	5.12	4.67	36.373	90.9
12	12	PFDoA	612.9 > 318.8	5.95e2	6.28e3	0.2500		5.37	5.34	0.947	32.871	82.2
13	13	PFTrDA	662.9 > 618.9	4.97e3	6.28e3	0.2500		5.57	5.53	7.92	33.211	83.0
14	14	PFTeDA	712.9 > 668.8	5.33e3	6.28e3	0.2500		0.06	5.70	8.49	39.109	97.8
15	15	13C2-PFHxA	315 > 269.8	2.41e3	6.28e3	0.2500	0.422	3.32	3.33	3.85	36.476	91.2
16	16	13C2-PFDA	515.1 > 469.9	2.85e3	6.28e3	0.2500	0.491	4.87	4.87	4.53	36.937	92.3
17	17	d5-N-EtFOSAA	589.3 > 419.0	3.59e3	4.15e3	0.2500	1.110	4.99	5.11	34.6	124.626	77.9
18	18	13C2-PFOA	414.9 > 369.7	6.28e3	6.28e3	0.2500	1.000	4.17	4.23	10.0	40.000	100.0
19	19	13C4-PFOS	503.0 > 79.9	6.87e3	6.87e3	0.2500	1.000	4.58	4.63	28.7	114.800	100.0
20	20	d3-N-MeFOSAA	573.3 > 419.0	4.15e3	4.15e3	0.2500	1.000	4.94	4.99	40.0	160.000	100.0

AC 10/29/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

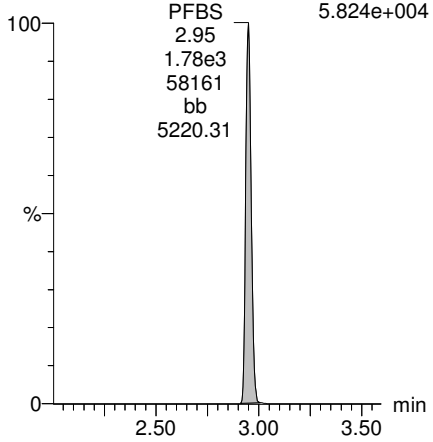
Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-15.qld

Last Altered: Sunday, October 29, 2017 15:29:11 Pacific Daylight Time
Printed: Sunday, October 29, 2017 15:30:47 Pacific Daylight Time

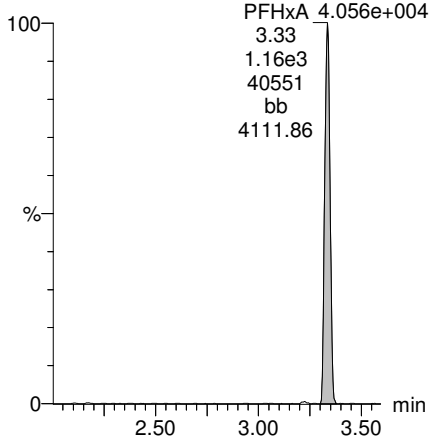
Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_15, Date: 15-Oct-2017, Time: 21:30:39, ID: B7J0077-BSD1 LFBD 0.25, Description: LFBD

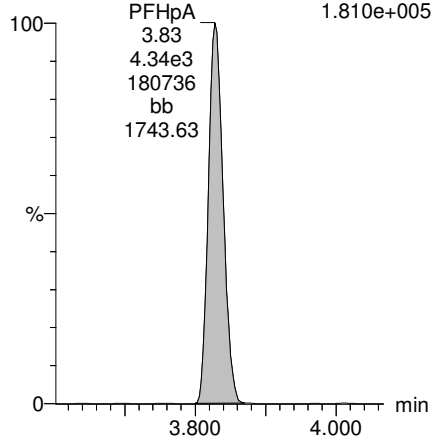
PFBS



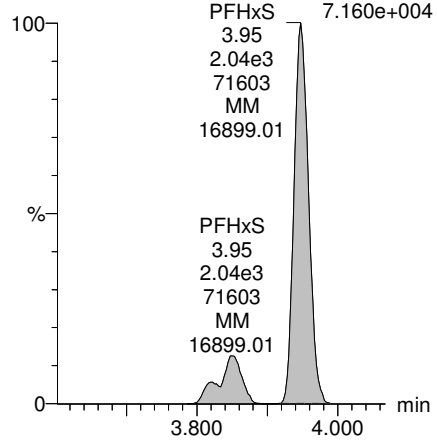
PFHxA



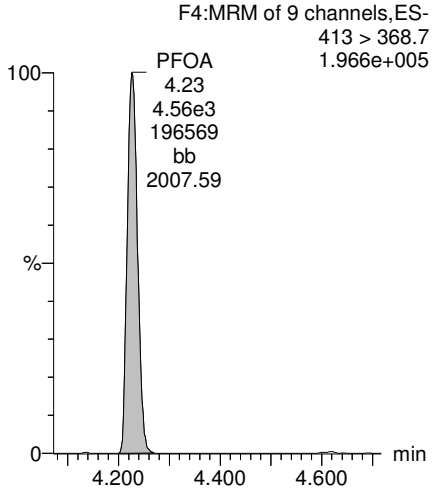
PFHpA



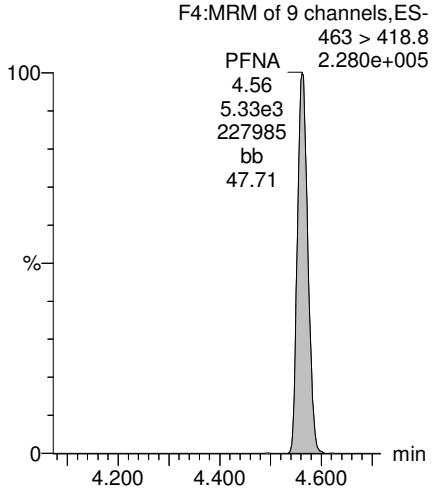
PFHxS



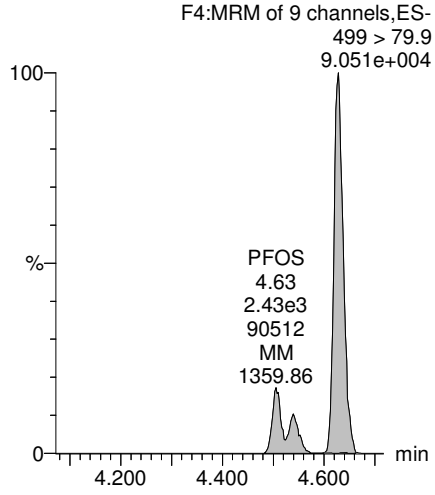
PFOA



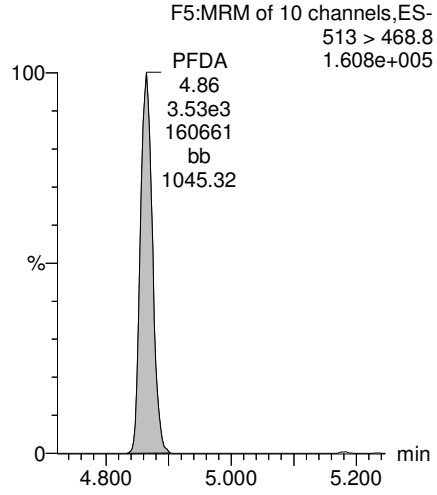
PFNA



PFOS



PFDA



AC 10/29/17

Vista Analytical Laboratory

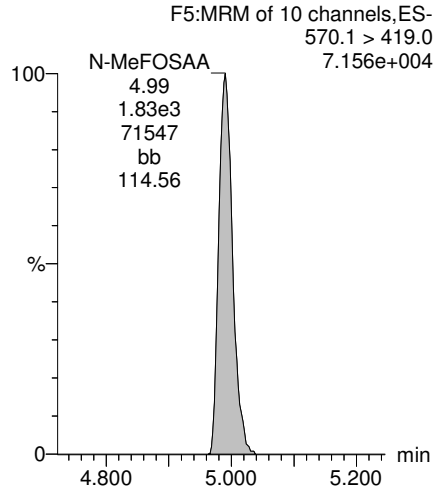
Rev'd: MM 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-15.qld

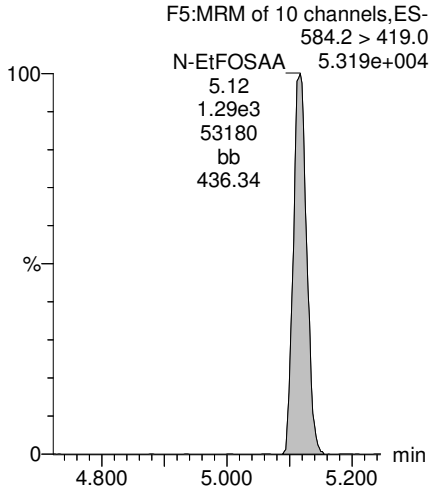
Last Altered: Sunday, October 29, 2017 15:29:11 Pacific Daylight Time
Printed: Sunday, October 29, 2017 15:30:47 Pacific Daylight Time

Name: 171015G2_15, Date: 15-Oct-2017, Time: 21:30:39, ID: B7J0077-BSD1 LFBD 0.25, Description: LFBD

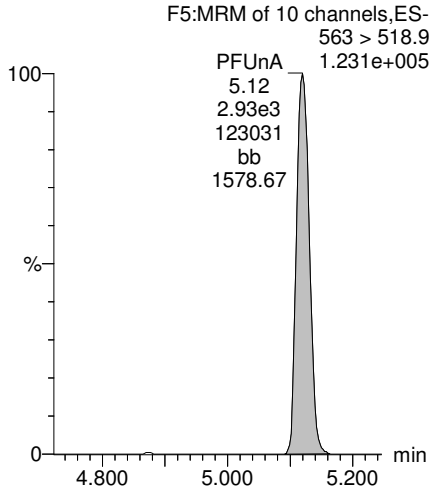
N-MeFOSAA



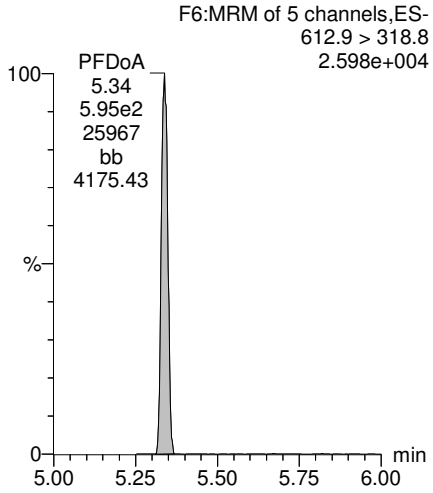
N-EtFOSAA



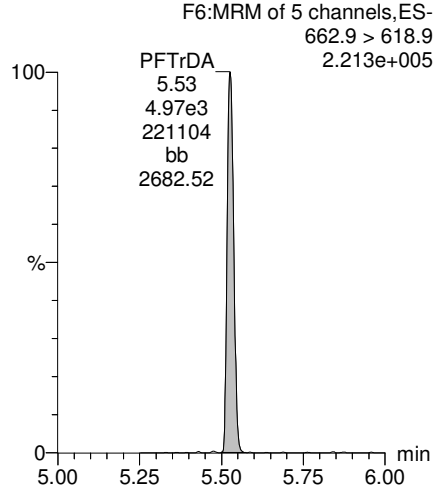
PFUnA



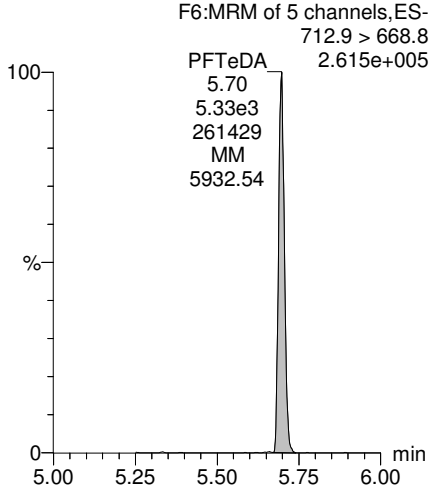
PFDoA



PFTrDA



PFTeDA



AC 10/29/17

Vista Analytical Laboratory

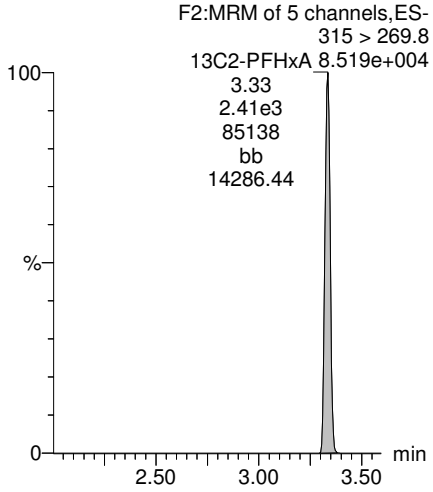
Rev'd: MM 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-15.qld

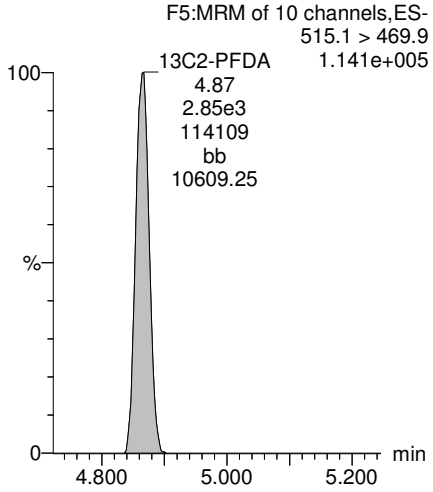
Last Altered: Sunday, October 29, 2017 15:29:11 Pacific Daylight Time
Printed: Sunday, October 29, 2017 15:30:47 Pacific Daylight Time

Name: 171015G2_15, Date: 15-Oct-2017, Time: 21:30:39, ID: B7J0077-BSD1 LFBD 0.25, Description: LFBD

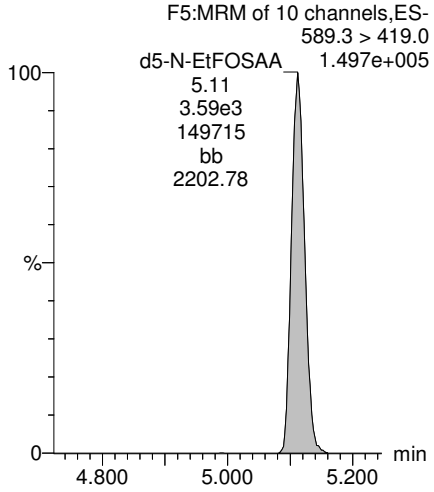
13C2-PFHxA



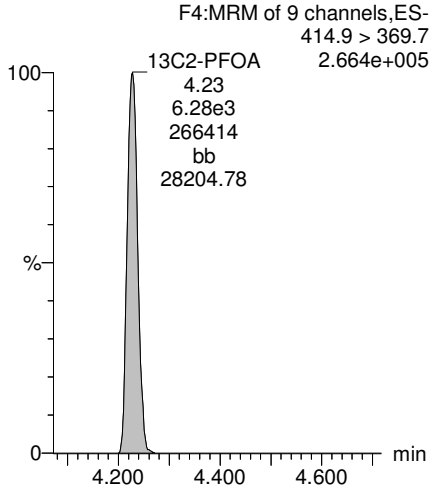
13C2-PFDA



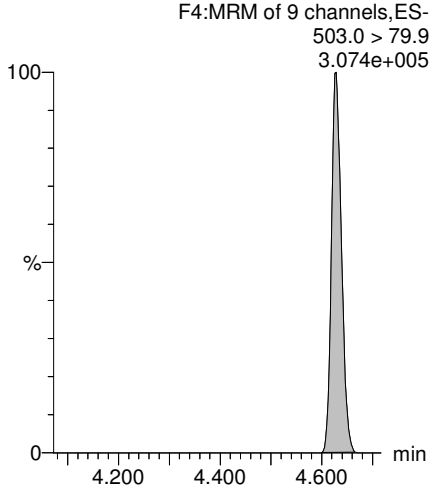
d5-N-EtFOSAA



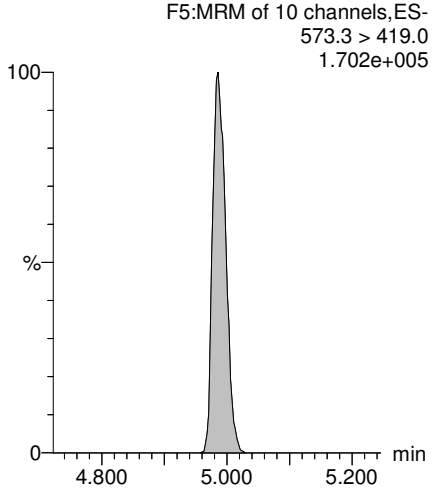
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA



AC 10/29/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-18.qld

Last Altered: Sunday, October 29, 2017 14:23:35 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:24:03 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_18, Date: 15-Oct-2017, Time: 22:07:55, ID: 1701432-01 EB01_20171002 0.25, Description: EB01_20171002

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBS	299 > 79.7		7.43e3	0.2627		2.91				
2	2	PFHxA	313.2 > 268.9	3.82e1	6.39e3	0.2627		3.32	3.34	0.0597	1.124	
3	3	PFHpA	363 > 318.9		6.39e3	0.2627		3.82				
4	4	PFHxS	398.9 > 79.6		7.43e3	0.2627		3.94				
5	5	PFOA	413 > 368.7	2.99e1	6.39e3	0.2627		4.23	4.23	0.0467	0.234	
6	6	PFNA	463 > 418.8		6.39e3	0.2627		4.58				
7	7	PFOS	499 >79.9		7.43e3	0.2627		4.63				
8	8	PFDA	513 > 468.8	3.08e1	6.39e3	0.2627		4.87	4.86	0.0482	0.308	
9	9	N-MeFOSAA	570.1 > 419.0		4.09e3	0.2627		5.00				
10	10	N-EtFOSAA	584.2 >419.0		4.09e3	0.2627		5.12				
11	11	PFUnA	563 > 518.9		6.39e3	0.2627		5.14				
12	12	PFDoA	612.9 > 318.8		6.39e3	0.2627		5.37				
13	13	PFTrDA	662.9 > 618.9		6.39e3	0.2627		5.57				
14	14	PFTeDA	712.9 > 668.8		6.39e3	0.2627		0.06				
15	15	13C2-PFHxA	315 > 269.8	2.48e3	6.39e3	0.2627	0.422	3.32	3.33	3.88	35.070	92.1
16	16	13C2-PFDA	515.1 > 469.9	3.17e3	6.39e3	0.2627	0.491	4.87	4.86	4.97	38.514	101.2
17	17	d5-N-EtFOSAA	589.3 > 419.0	4.92e3	4.09e3	0.2627	1.110	4.99	5.11	48.1	164.963	108.3
18	18	13C2-PFOA	414.9 > 369.7	6.39e3	6.39e3	0.2627	1.000	4.17	4.23	10.0	38.071	100.0
19	19	13C4-PFOS	503.0 > 79.9	7.43e3	7.43e3	0.2627	1.000	4.58	4.63	28.7	109.263	100.0
20	20	d3-N-MeFOSAA	573.3 > 419.0	4.09e3	4.09e3	0.2627	1.000	4.94	4.99	40.0	152.282	100.0

AC 10/29/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

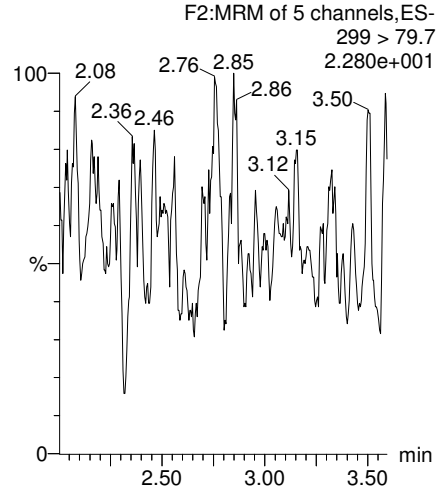
Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-18.qld

Last Altered: Sunday, October 29, 2017 14:23:35 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:24:03 Pacific Daylight Time

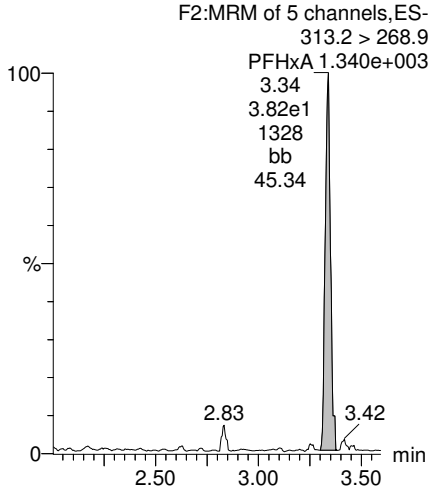
Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_18, Date: 15-Oct-2017, Time: 22:07:55, ID: 1701432-01 EB01_20171002 0.25, Description: EB01_20171002

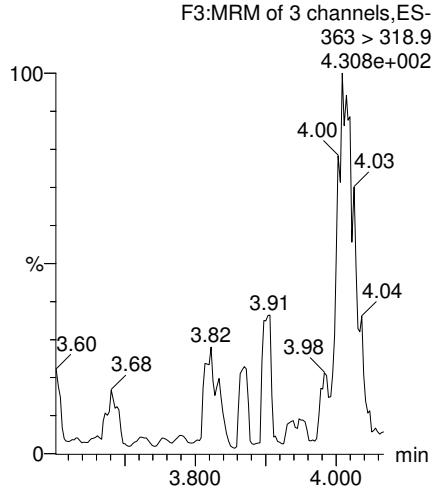
PFBS



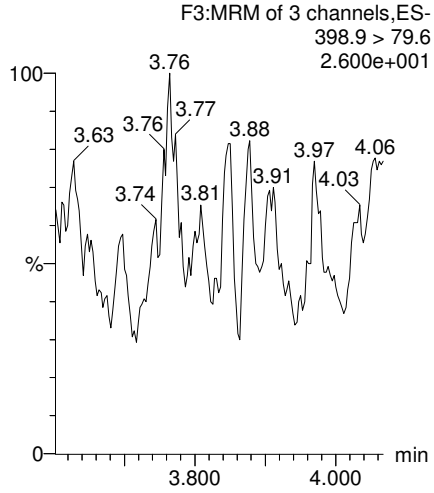
PFHxA



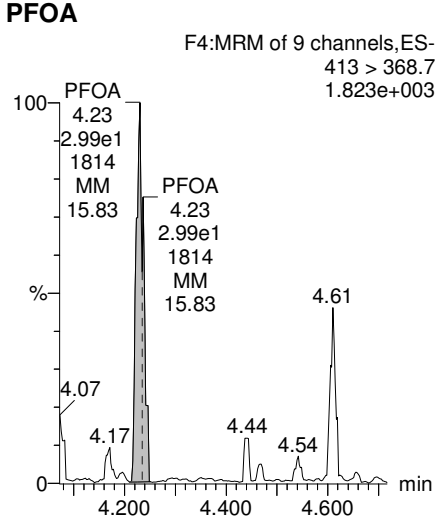
PFHpA



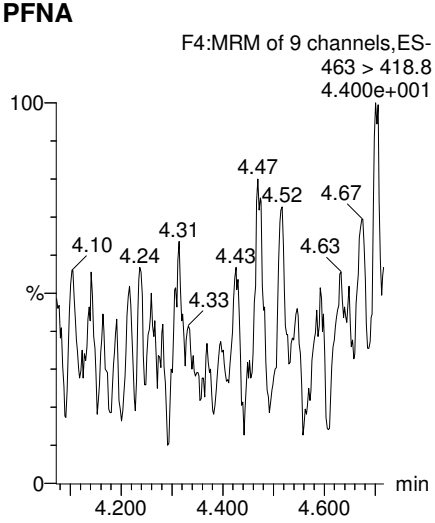
PFHxS



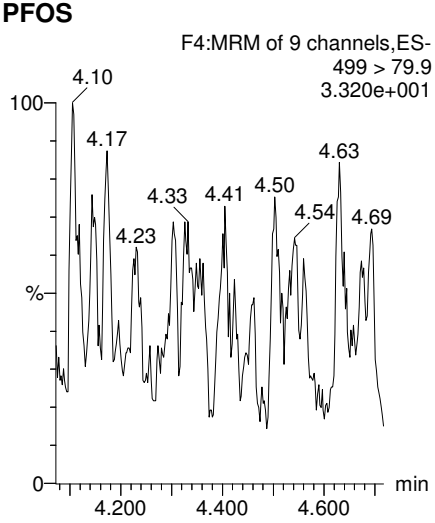
PFOA



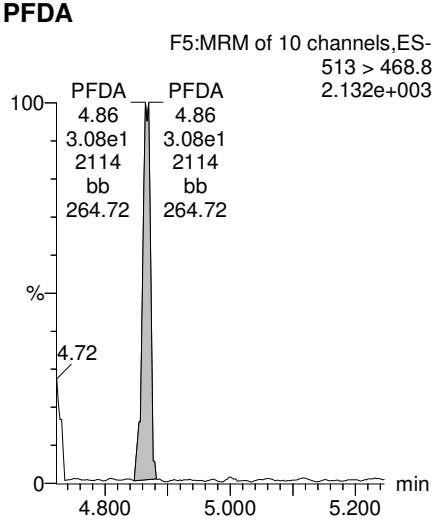
PFNA



PFOS



PFDA



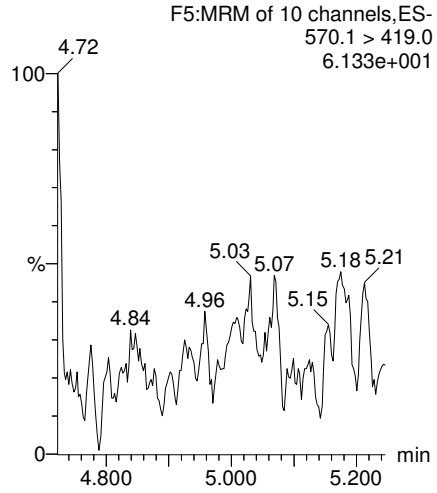
AC 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-18.qld

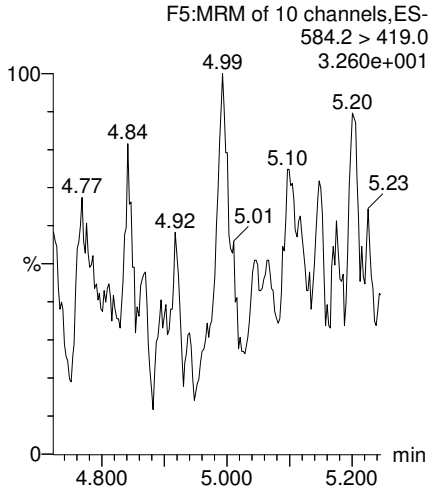
Last Altered: Sunday, October 29, 2017 14:23:35 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:24:03 Pacific Daylight Time

Name: 171015G2_18, Date: 15-Oct-2017, Time: 22:07:55, ID: 1701432-01 EB01_20171002 0.25, Description: EB01_20171002

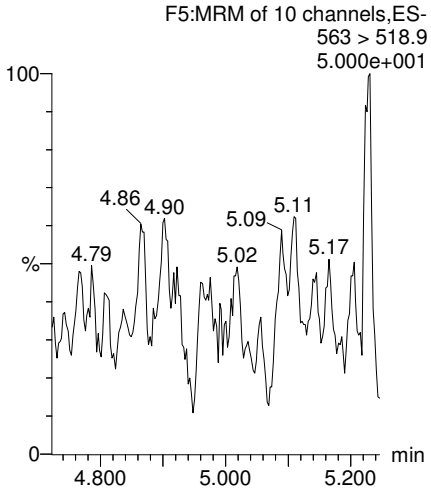
N-MeFOSAA



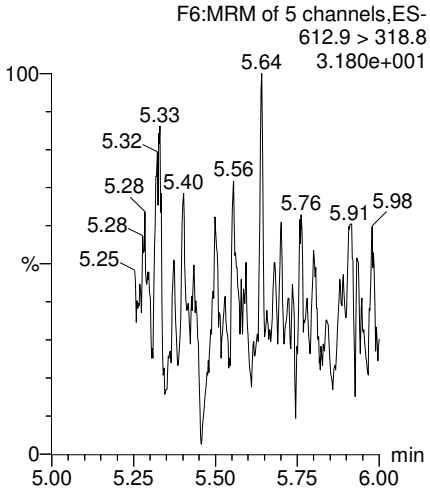
N-EtFOSAA



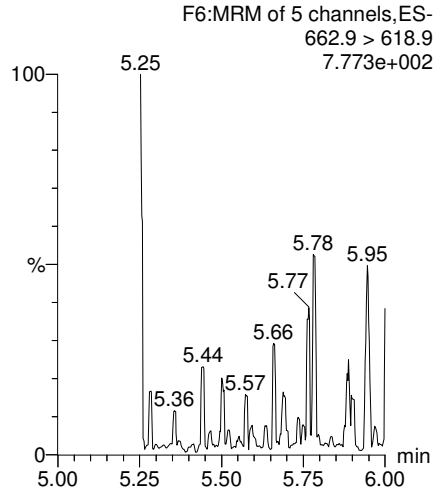
PFUnA



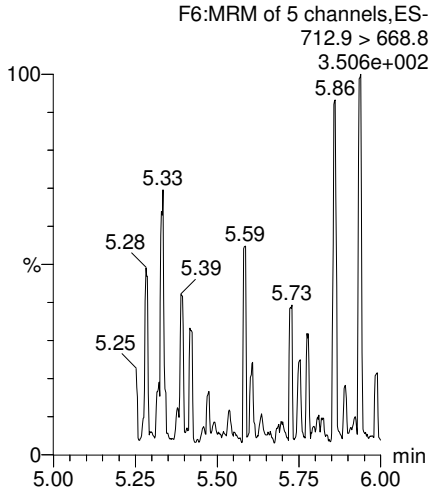
PFDoA



PFTrDA



PFTeDA



AC 10/29/17

Vista Analytical Laboratory

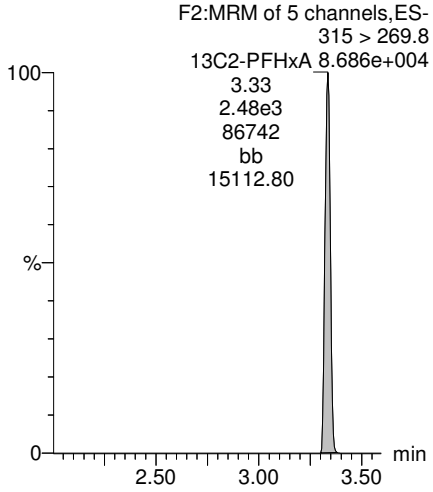
Rev'd: MM 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-18.qld

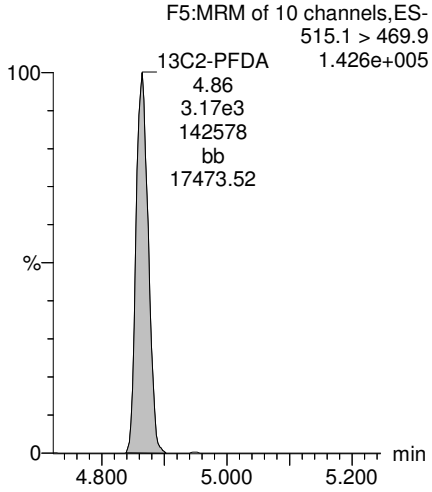
Last Altered: Sunday, October 29, 2017 14:23:35 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:24:03 Pacific Daylight Time

Name: 171015G2_18, Date: 15-Oct-2017, Time: 22:07:55, ID: 1701432-01 EB01_20171002 0.25, Description: EB01_20171002

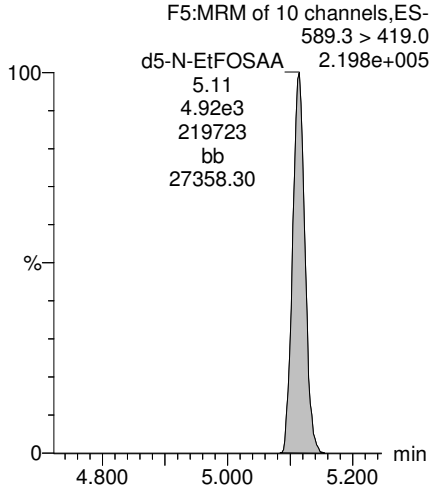
13C2-PFHxA



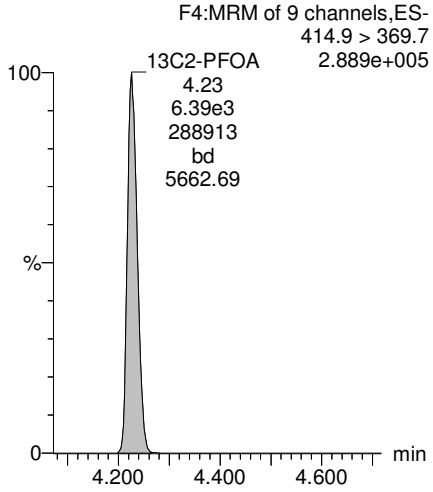
13C2-PFDA



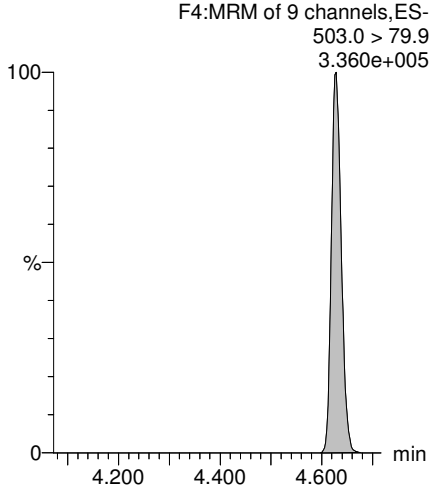
d5-N-EtFOSAA



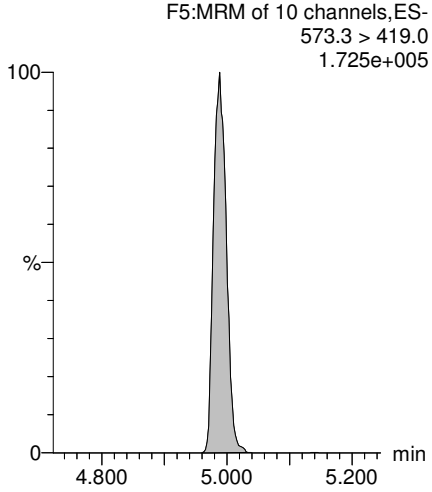
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA



AC 10/29/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-19.qld

Last Altered: Sunday, October 29, 2017 14:25:09 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:25:29 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_19, Date: 15-Oct-2017, Time: 22:20:20, ID: 1701432-15 Site 3-DW-421648-20171005 0.25, Description: Site 3-DW-421648-20171005

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBS	299 > 79.7		6.64e3	0.2530		2.91				
2	2	PFHxA	313.2 > 268.9	3.60e1	5.64e3	0.2530		3.32	3.33	0.0639	1.249	
3	3	PFHpA	363 > 318.9		5.64e3	0.2530		3.82				
4	4	PFHxS	398.9 > 79.6		6.64e3	0.2530		3.94				
5	5	PFOA	413 > 368.7	3.27e1	5.64e3	0.2530		4.23	4.22	0.0580	0.301	
6	6	PFNA	463 > 418.8		5.64e3	0.2530		4.58				
7	7	PFOS	499 >79.9		6.64e3	0.2530		4.63				
8	8	PFDA	513 > 468.8		5.64e3	0.2530		4.87				
9	9	N-MeFOSAA	570.1 > 419.0		3.58e3	0.2530		5.00				
10	10	N-EtFOSAA	584.2 >419.0		3.58e3	0.2530		5.12				
11	11	PFUnA	563 > 518.9		5.64e3	0.2530		5.14				
12	12	PFDoA	612.9 > 318.8		5.64e3	0.2530		5.37				
13	13	PFTrDA	662.9 > 618.9		5.64e3	0.2530		5.57				
14	14	PFTeDA	712.9 > 668.8		5.64e3	0.2530		0.06				
15	15	13C2-PFHxA	315 > 269.8	2.40e3	5.64e3	0.2530	0.422	3.32	3.33	4.25	39.846	100.8
16	16	13C2-PFDA	515.1 > 469.9	2.73e3	5.64e3	0.2530	0.491	4.87	4.87	4.84	38.953	98.5
17	17	d5-N-EtFOSAA	589.3 > 419.0	4.06e3	3.58e3	0.2530	1.110	4.99	5.11	45.3	161.430	102.1
18	18	13C2-PFOA	414.9 > 369.7	5.64e3	5.64e3	0.2530	1.000	4.17	4.23	10.0	39.527	100.0
19	19	13C4-PFOS	503.0 > 79.9	6.64e3	6.64e3	0.2530	1.000	4.58	4.63	28.7	113.443	100.0
20	20	d3-N-MeFOSAA	573.3 > 419.0	3.58e3	3.58e3	0.2530	1.000	4.94	4.99	40.0	158.109	100.0

AC 10/29/17

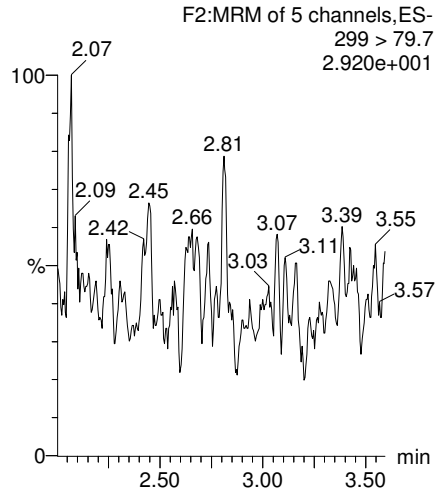
Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-19.qld

Last Altered: Sunday, October 29, 2017 14:25:09 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:25:29 Pacific Daylight Time

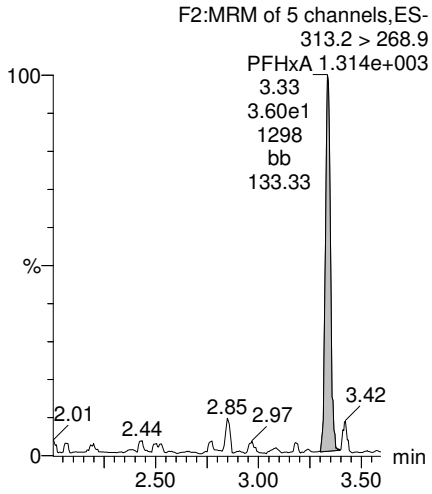
Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_19, Date: 15-Oct-2017, Time: 22:20:20, ID: 1701432-15 Site 3-DW-421648-20171005 0.25, Description: Site 3-DW-421648-20171005

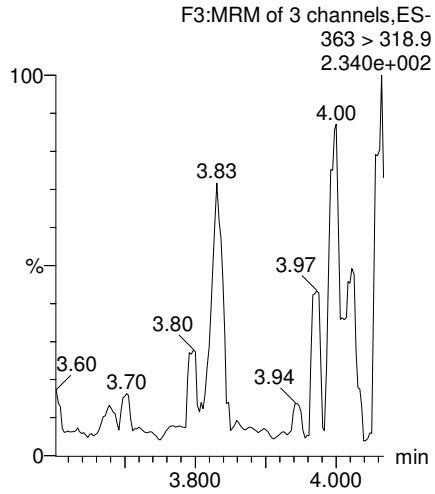
PFBS



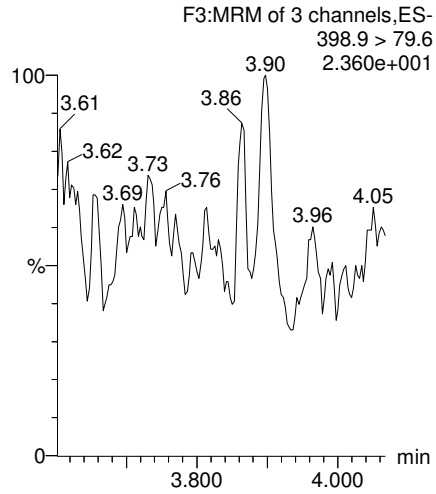
PFHxA



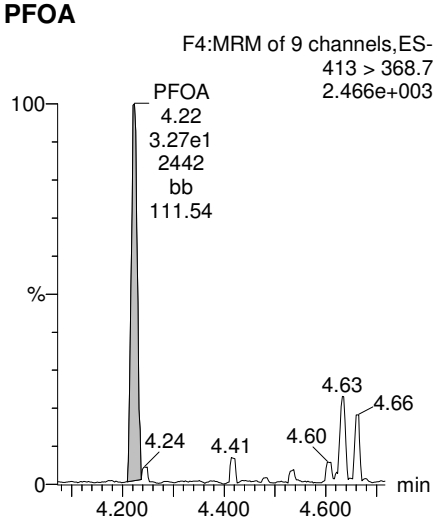
PFHpA



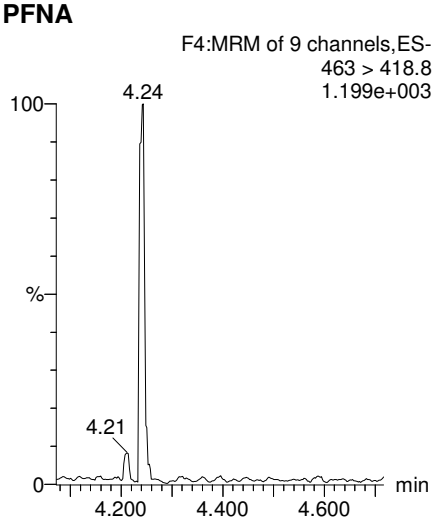
PFHxS



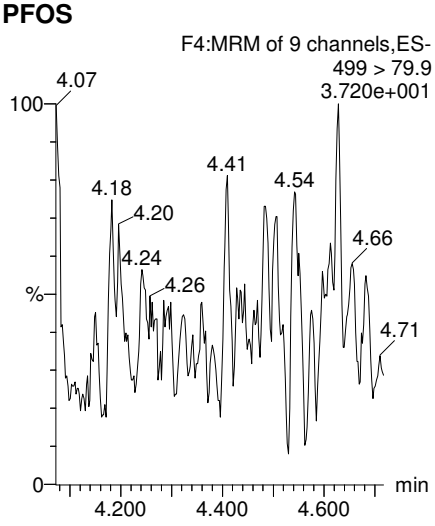
PFOA



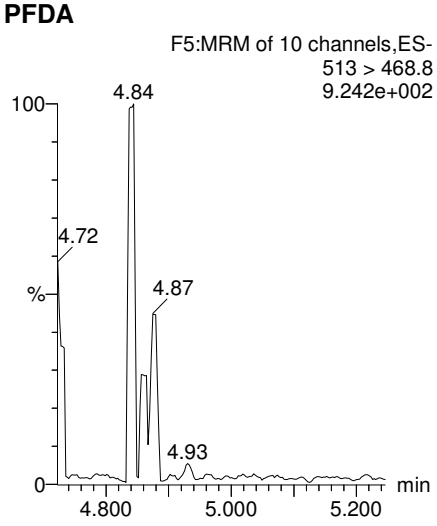
PFNA



PFOS



PFDA



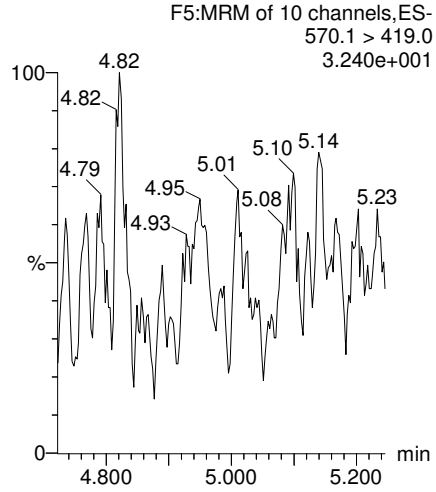
AC 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-19.qld

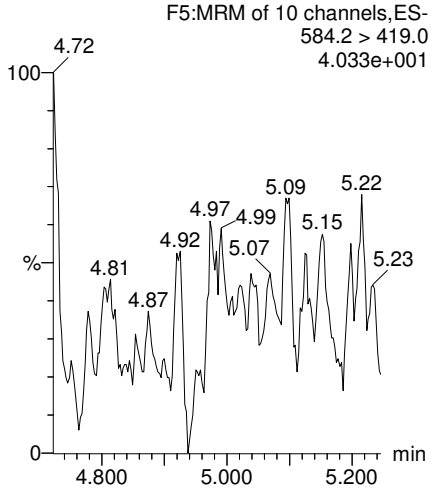
Last Altered: Sunday, October 29, 2017 14:25:09 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:25:29 Pacific Daylight Time

Name: 171015G2_19, Date: 15-Oct-2017, Time: 22:20:20, ID: 1701432-15 Site 3-DW-421648-20171005 0.25, Description: Site 3-DW-421648-20171005

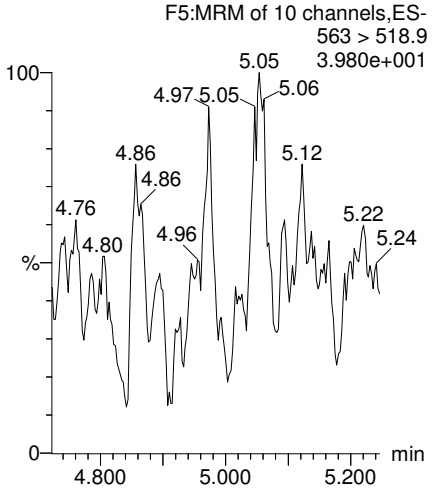
N-MeFOSAA



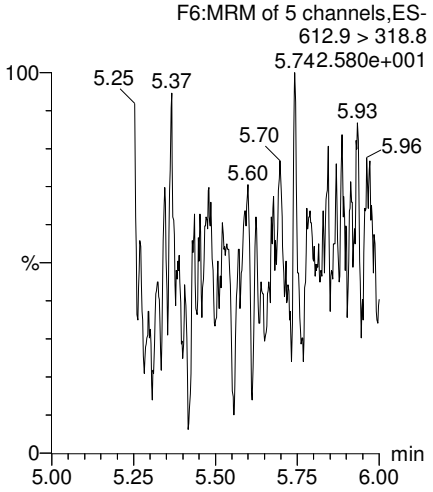
N-EtFOSAA



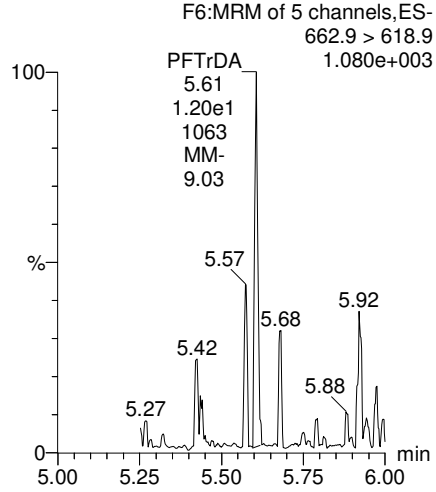
PFUnA



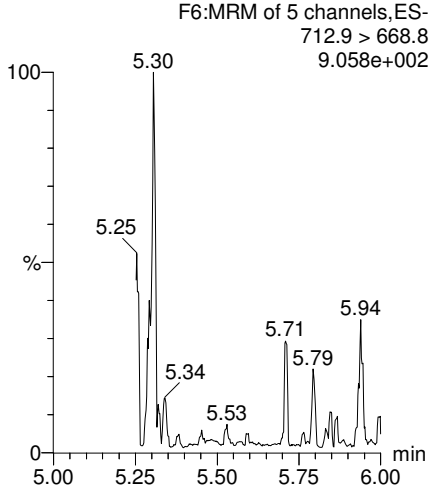
PFDoA



PFTrDA



PFTeDA



AC 10/29/17

Vista Analytical Laboratory

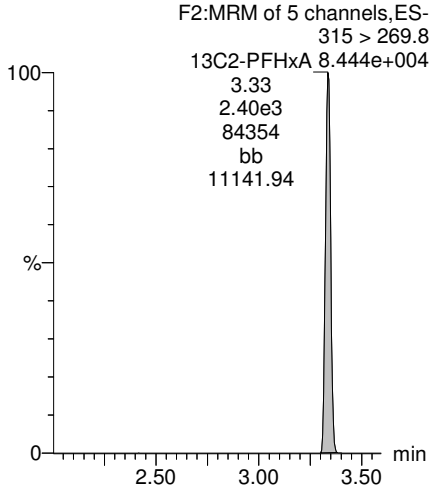
Rev'd: MM 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-19.qld

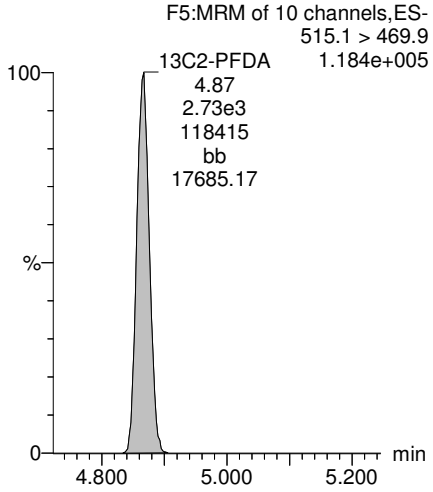
Last Altered: Sunday, October 29, 2017 14:25:09 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:25:29 Pacific Daylight Time

Name: 171015G2_19, Date: 15-Oct-2017, Time: 22:20:20, ID: 1701432-15 Site 3-DW-421648-20171005 0.25, Description: Site 3-DW-421648-20171005

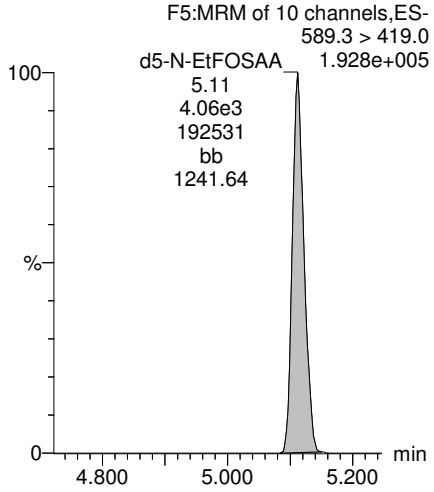
13C2-PFHxA



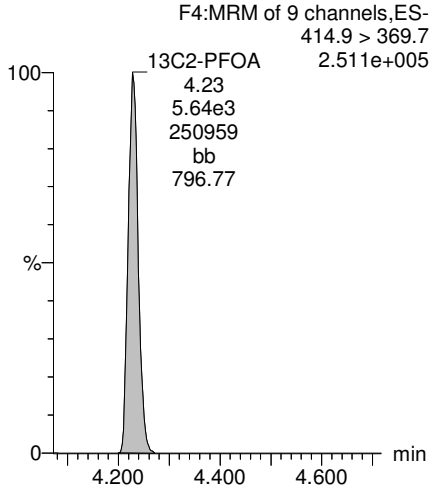
13C2-PFDA



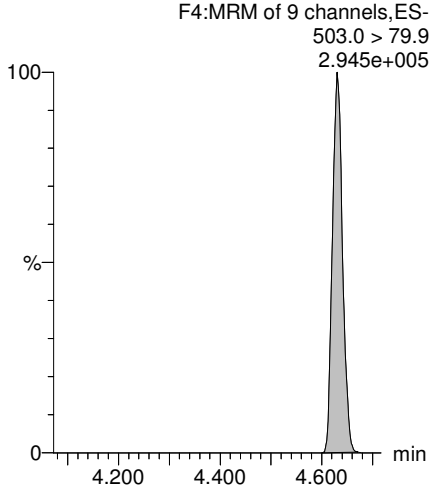
d5-N-EtFOSAA



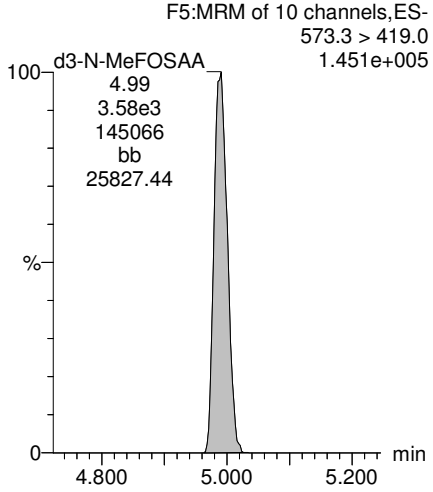
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA



AC 10/29/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-20.qld

Last Altered: Sunday, October 29, 2017 14:27:02 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:27:22 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_20, Date: 15-Oct-2017, Time: 22:32:45, ID: 1701432-16 DUP01_20171005 0.25, Description: DUP01_20171005

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBS	299 > 79.7		6.05e3	0.2577		2.91				
2	2	PFHxA	313.2 > 268.9	4.69e1	4.75e3	0.2577		3.32	3.34	0.0987	1.895	
3	3	PFHpA	363 > 318.9		4.75e3	0.2577		3.82				
4	4	PFHxS	398.9 > 79.6		6.05e3	0.2577		3.94				
5	5	PFOA	413 > 368.7	2.52e1	4.75e3	0.2577		4.23	4.23	0.0530	0.270	
6	6	PFNA	463 > 418.8		4.75e3	0.2577		4.58				
7	7	PFOS	499 >79.9	1.97e0	6.05e3	0.2577		4.63	4.64	0.00936	0.034	
8	8	PFDA	513 > 468.8	1.75e1	4.75e3	0.2577		4.87	4.86	0.0368	0.240	
9	9	N-MeFOSAA	570.1 > 419.0	2.17e0	3.54e3	0.2577		5.00	4.99	0.0245	0.042	
10	10	N-EtFOSAA	584.2 >419.0		3.54e3	0.2577		5.12				
11	11	PFUnA	563 > 518.9		4.75e3	0.2577		5.14				
12	12	PFDoA	612.9 > 318.8		4.75e3	0.2577		5.37				
13	13	PFTrDA	662.9 > 618.9		4.75e3	0.2577		5.57				
14	14	PFTeDA	712.9 > 668.8		4.75e3	0.2577		0.06				
15	15	13C2-PFHxA	315 > 269.8	2.15e3	4.75e3	0.2577	0.422	3.32	3.33	4.53	41.687	107.4
16	16	13C2-PFDA	515.1 > 469.9	2.34e3	4.75e3	0.2577	0.491	4.87	4.86	4.92	38.896	100.2
17	17	d5-N-EtFOSAA	589.3 > 419.0	3.44e3	3.54e3	0.2577	1.110	4.99	5.11	38.9	135.987	87.6
18	18	13C2-PFOA	414.9 > 369.7	4.75e3	4.75e3	0.2577	1.000	4.17	4.23	10.0	38.805	100.0
19	19	13C4-PFOS	503.0 > 79.9	6.05e3	6.05e3	0.2577	1.000	4.58	4.63	28.7	111.370	100.0
20	20	d3-N-MeFOSAA	573.3 > 419.0	3.54e3	3.54e3	0.2577	1.000	4.94	4.99	40.0	155.219	100.0

AC 10/29/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

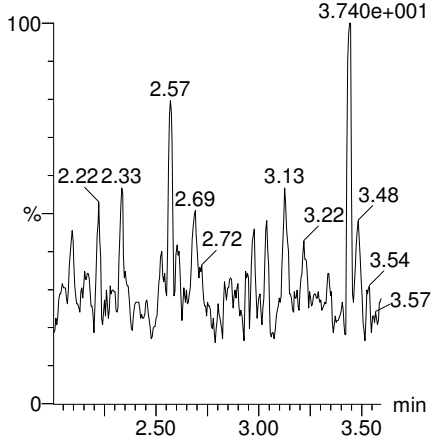
Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-20.qld

Last Altered: Sunday, October 29, 2017 14:27:02 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:27:22 Pacific Daylight Time

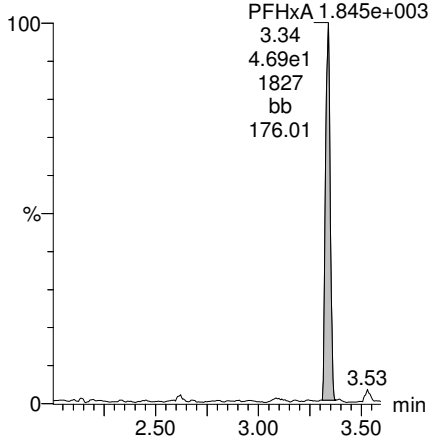
Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_20, Date: 15-Oct-2017, Time: 22:32:45, ID: 1701432-16 DUP01_20171005 0.25, Description: DUP01_20171005

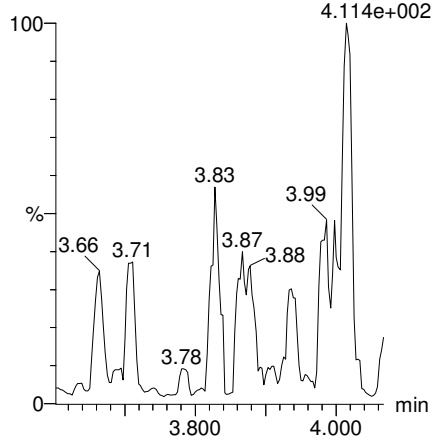
PFBS



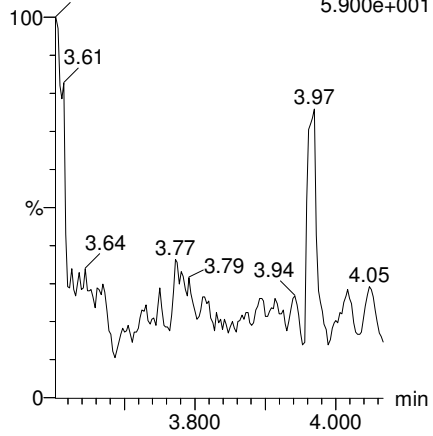
PFHxA



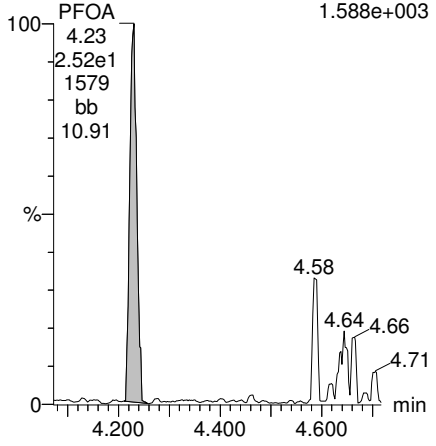
PFHpA



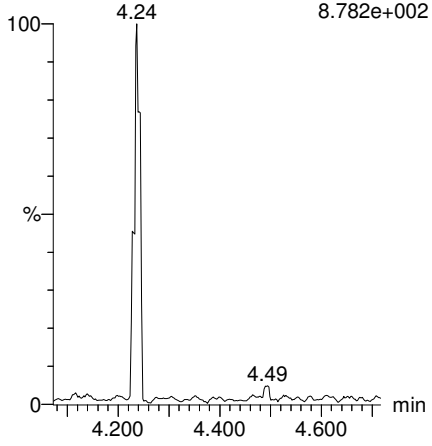
PFHxS



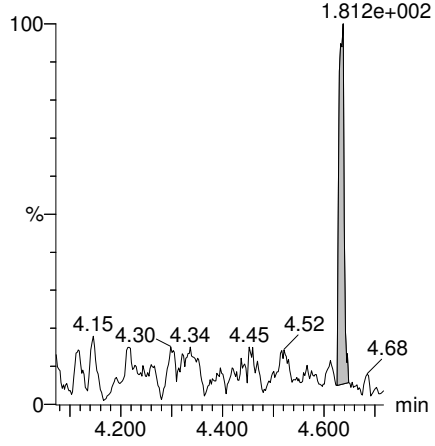
PFOA



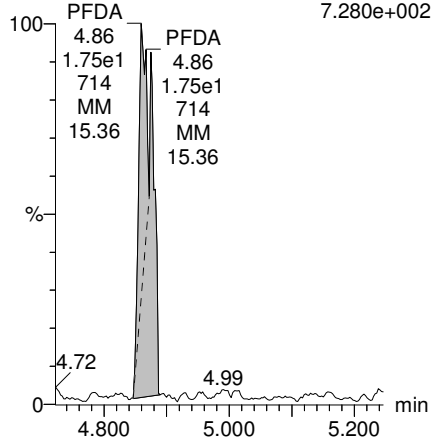
PFNA



PFOS



PFDA



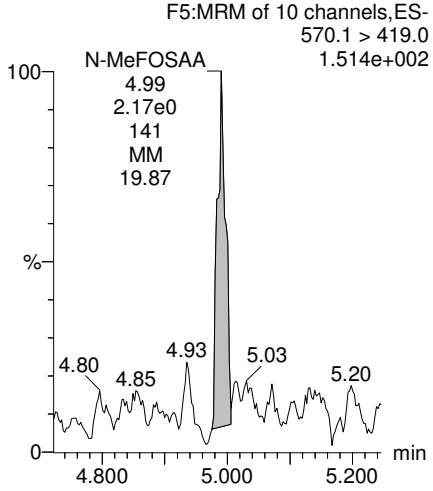
AC 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-20.qld

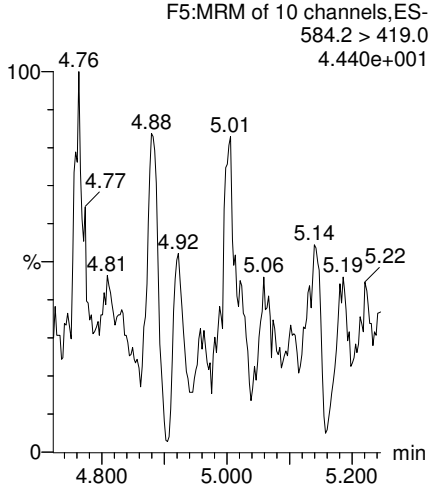
Last Altered: Sunday, October 29, 2017 14:27:02 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:27:22 Pacific Daylight Time

Name: 171015G2_20, Date: 15-Oct-2017, Time: 22:32:45, ID: 1701432-16 DUP01_20171005 0.25, Description: DUP01_20171005

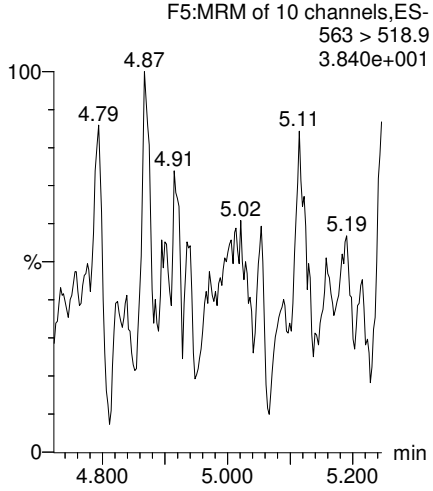
N-MeFOSAA



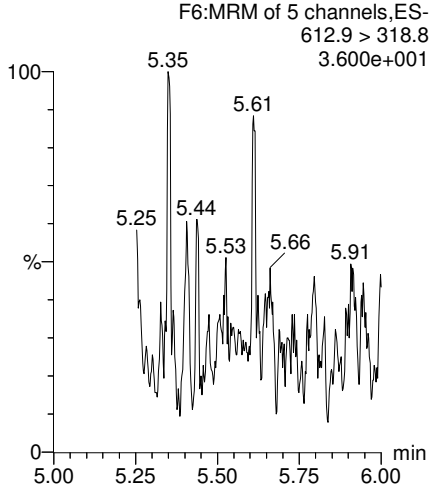
N-EtFOSAA



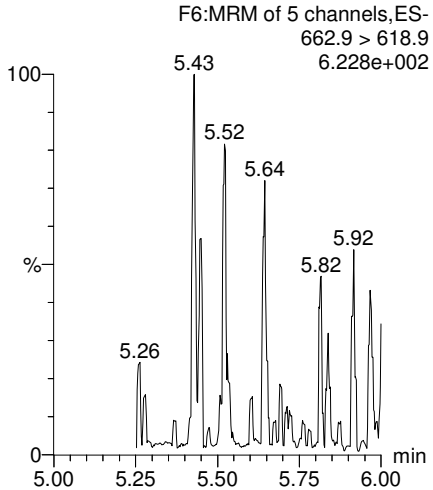
PFUnA



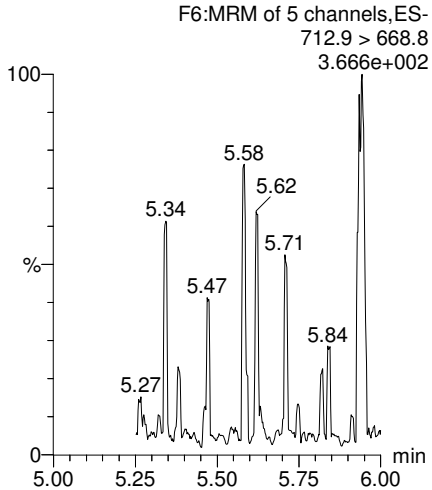
PFDoA



PFTrDA



PFTeDA



AC 10/29/17

Vista Analytical Laboratory

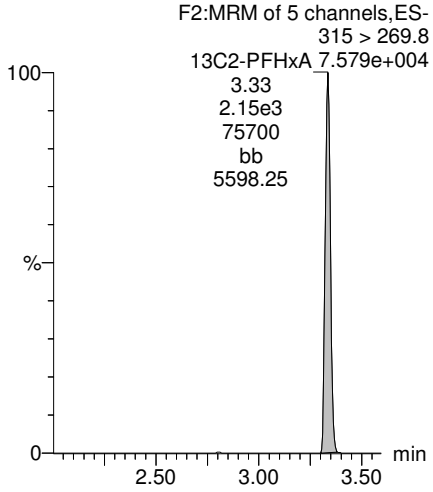
Rev'd: MM 10/29/17

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-20.qld

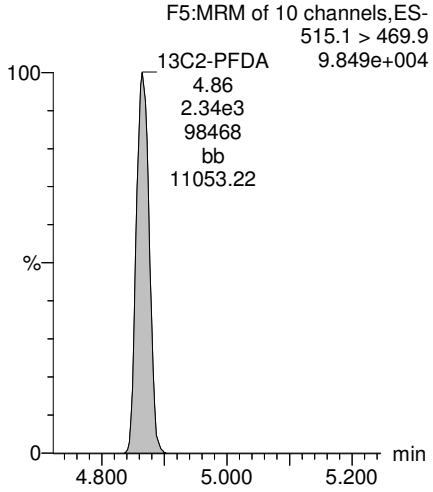
Last Altered: Sunday, October 29, 2017 14:27:02 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:27:22 Pacific Daylight Time

Name: 171015G2_20, Date: 15-Oct-2017, Time: 22:32:45, ID: 1701432-16 DUP01_20171005 0.25, Description: DUP01_20171005

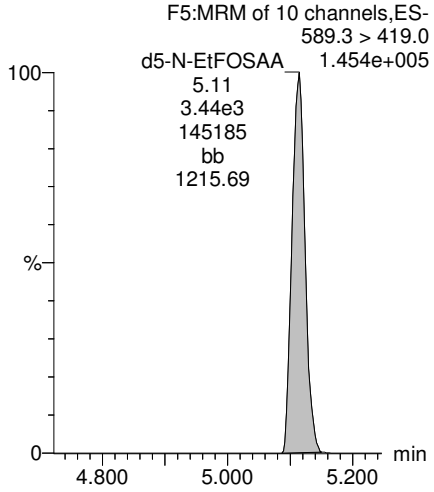
13C2-PFHxA



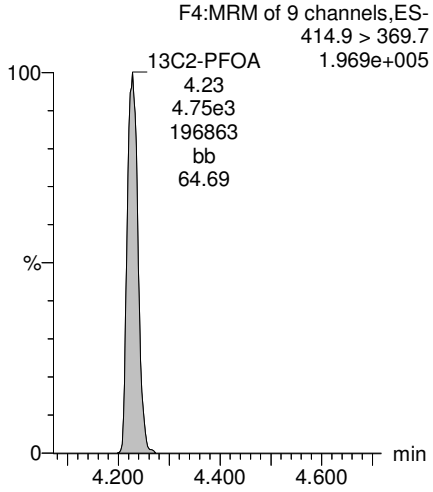
13C2-PFDA



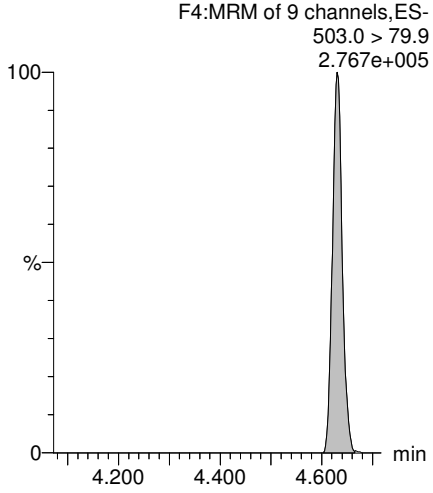
d5-N-EtFOSAA



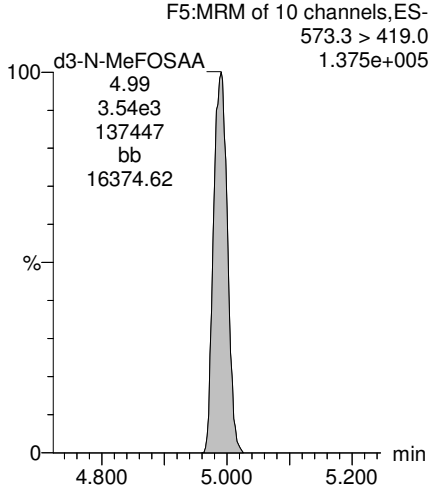
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA



AC 10/29/17

SAMPLE DATA – MODIFIED EPA METHOD 537

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-17.qld

Last Altered: Wednesday, October 18, 2017 14:43:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:29:34 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_17, Date: 16-Oct-2017, Time: 16:28:45, ID: B7J0071-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1		2.84e4	0.125		1.32				
2	2	PFPeA	263.1 > 219.1		4.01e4	0.125		2.61				
3	3	PFBS	299.1 > 79.9		9.35e3	0.125		3.09				
4	4	PFHxA	313.2 > 268.9		1.34e4	0.125		3.31				
5	5	PFHpA	363.1 > 319.1		6.14e4	0.125		3.56				
6	6	L-PFHxS	399.0 > 80.0		3.86e3	0.125		3.63				
7	9	L-PFOA	413 > 368.7	1.02e3	5.01e4	0.125		3.77	3.59	0.254		
8	12	PFNA	463.1 > 419.1		4.18e4	0.125		3.96				
9	13	PFOSA	498.1 > 77.8		5.09e3	0.125		3.96				
10	14	L-PFOS	499 > 79.9	2.49e0	9.03e3	0.125		3.81	3.78	0.00344		
11	16	PFDA	513 > 468.8		3.13e4	0.125		4.14				
12	18	N-MeFOSAA	570.1 > 419		7.62e3	0.125		4.17				
13	19	N-EtFOSAA	584.2 > 419		8.30e3	0.125		4.23				
14	20	PFUnA	562.9 > 518.9		4.00e4	0.125		4.31				
15	21	PFDS	598.9 > 80		4.00e4	0.125		4.36				
16	22	PFDoA	613.0 > 569.1		3.76e4	0.125		4.49				
17	24	PFTrDA	662.9 > 618.9		3.76e4	0.125		4.68				

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-17.qld

Last Altered: Wednesday, October 18, 2017 14:43:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:29:48 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_17, Date: 16-Oct-2017, Time: 16:28:45, ID: B7J0071-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		3.17e4	0.125		4.60				
2	31	13C3-PFBA	216.1 > 172.1	2.84e4	3.26e4	0.125	0.956	1.32	1.34	10.9	91.2	91.2
3	32	13C3-PFPeA	266.1 > 222.1	4.01e4	5.14e4	0.125	0.288	2.91	2.62	3.90	108	108.2
4	33	13C3-PFBS	302.1 > 79.9	9.35e3	5.14e4	0.125	0.065	3.09	2.87	0.910	111	111.4
5	34	13C2-PFHxA	315 > 269.8	1.34e4	5.14e4	0.125	0.297	3.31	3.12	1.30	35.1	87.8
6	35	13C4-PFHpA	367 > 322.1	6.14e4	5.14e4	0.125	0.641	3.56	3.39	5.97	74.5	74.5
7	36	18O2-PFHxS	403 > 103.0	3.86e3	8.33e3	0.125	0.519	3.63	3.46	5.79	89.3	89.3
8	37	13C2-6:2 FTS	429.1 > 408.9	7.60e3	5.02e4	0.125	0.177	3.76	3.58	1.89	85.4	85.4
9	38	13C2-PFOA	414.9 > 369.7	5.01e4	5.02e4	0.125	1.147	3.77	3.59	12.5	87.0	87.0
10	39	13C5-PFNA	468.1 > 423.1	4.18e4	5.43e4	0.125	0.939	3.96	3.77	9.64	82.1	82.1
11	40	13C8-PFOSA	506.1 > 78.0	5.09e3	5.82e4	0.125	0.177	3.96	3.78	1.09	49.3	49.3
12	41	13C8-PFOS	507 > 79.9	9.03e3	9.06e3	0.125	1.067	3.81	3.82	12.5	93.3	93.3
13	42	13C2-PFDA	515.1 > 469.9	3.13e4	5.04e4	0.125	0.835	4.14	3.94	7.76	74.4	74.4
14	43	13C2-8:2 FTS	529.1 > 508.7	4.56e3	5.04e4	0.125	0.118	4.14	3.93	1.13	77.0	77.0
15	44	d3-N-MeFOSAA	573.3 > 419	7.62e3	5.82e4	0.125	0.013	4.17	3.96	1.64	993	76.4
16	45	d5-N-EtFOSAA	589.3 > 419	8.30e3	5.82e4	0.125	0.015	4.23	4.03	1.78	929	71.5
17	46	13C2-PFUnA	565 > 519.8	4.00e4	5.82e4	0.125	1.017	4.31	4.10	8.60	67.7	67.7
18	47	13C2-PFDoA	615.1 > 570.1	3.76e4	5.82e4	0.125	0.984	4.49	4.26	8.08	65.7	65.7
19	49	13C2-PFTeDA	714.8 > 669.6	3.17e4	5.82e4	0.125	0.618	4.88	4.60	6.81	88.1	88.1
20	54	13C4-PFBA	217.1 > 172.1	3.26e4	3.26e4	0.125	1.000	1.32	1.34	12.5	100	100.0
21	55	13C5-PFHxA	318 > 272.9	5.14e4	5.14e4	0.125	1.000	3.31	3.12	5.00	40.0	100.0
22	56	13C3-PFHxS	402.1 > 80.0	8.33e3	8.33e3	0.125	1.000	3.63	3.46	12.5	100	100.0
23	57	13C8-PFOA	421.3 > 376	5.02e4	5.02e4	0.125	1.000	3.77	3.59	12.5	100	100.0
24	58	13C9-PFNA	472.1 > 427.1	5.43e4	5.43e4	0.125	1.000	3.96	3.77	12.5	100	100.0
25	59	13C4-PFOS	503 > 79.9	9.06e3	9.06e3	0.125	1.000	3.81	3.82	12.5	100	100.0
26	60	13C6-PFDA	519.1 > 473.7	5.04e4	5.04e4	0.125	1.000	4.14	3.94	12.5	100	100.0
27	61	13C7-PFUnA	570.1 > 524.8	5.82e4	5.82e4	0.125	1.000	4.31	4.11	12.5	100	100.0
28	62	Total PFHxS	399.0 > 80.0	0.00e0	3.86e3	0.125		3.63		0.000		
29	63	Total PFOA	413 > 368.7	1.02e3	5.01e4	0.125		3.77		0.000		
30	64	Total PFOS	499 > 79.9	2.49e0	9.03e3	0.125		3.81		0.000		
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	7.62e3	0.125		4.17		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	8.30e3	0.125		4.23		0.000		

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

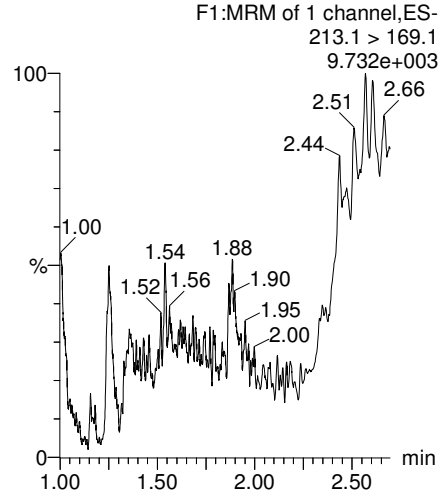
Dataset: U:\Q4.PRO\results\171016M4\171016M4-17.qld

Last Altered: Wednesday, October 18, 2017 14:43:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:29:34 Pacific Daylight Time

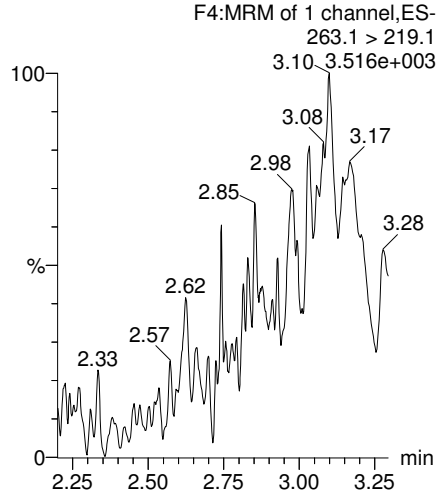
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_17, Date: 16-Oct-2017, Time: 16:28:45, ID: B7J0071-BLK1 Method Blank 0.125, Description: Method Blank

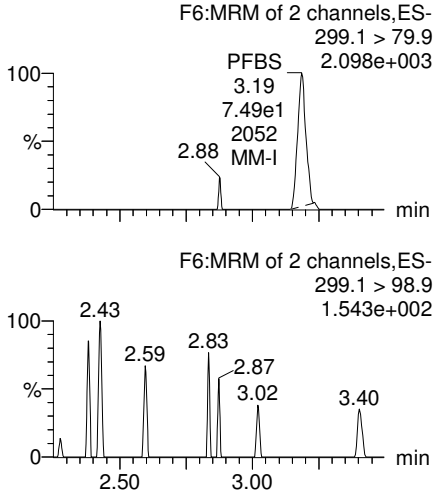
PFBA



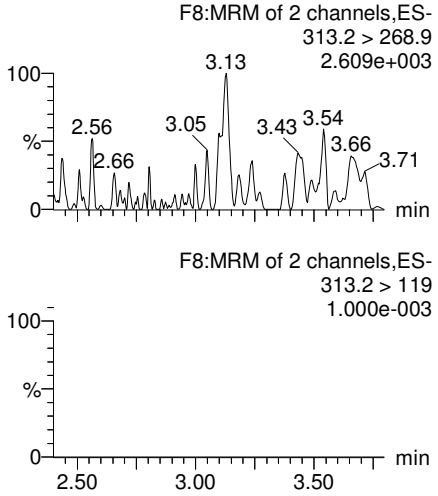
PFPeA



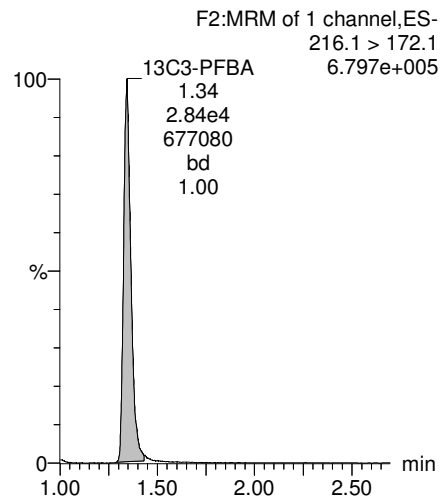
PFBS



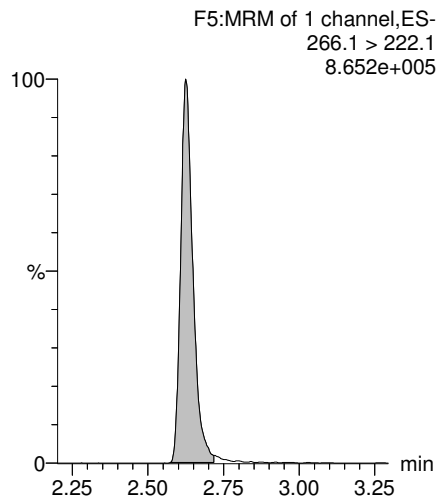
PFHxA



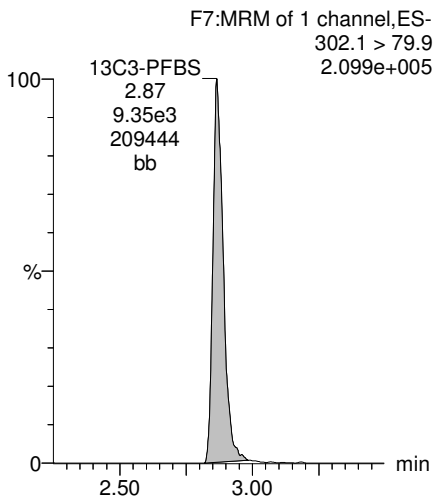
13C3-PFBA



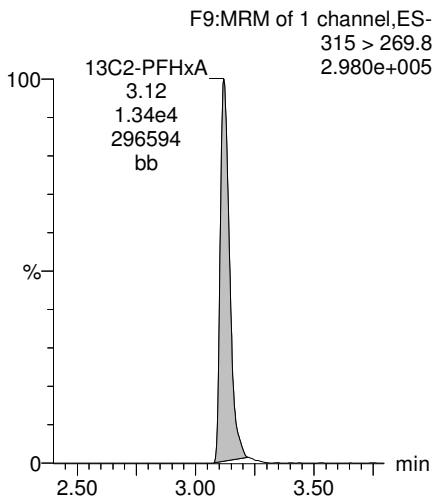
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



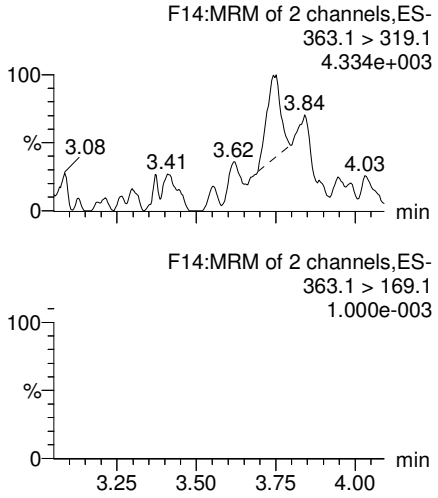
AC 10/24/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-17.qld

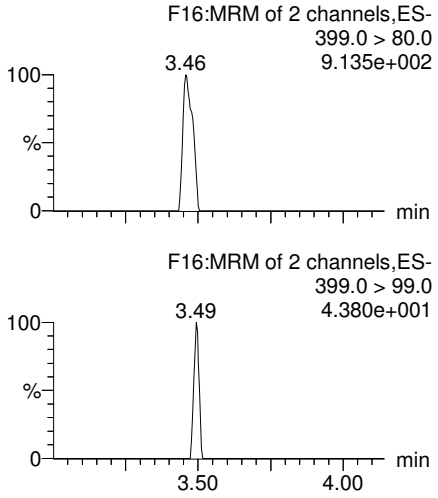
Last Altered: Wednesday, October 18, 2017 14:43:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:29:34 Pacific Daylight Time

Name: 171016M4_17, Date: 16-Oct-2017, Time: 16:28:45, ID: B7J0071-BLK1 Method Blank 0.125, Description: Method Blank

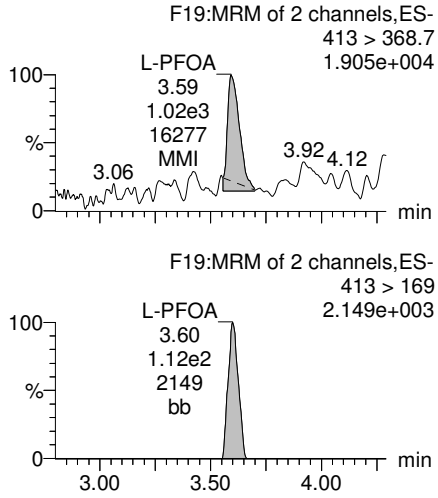
PFHpA



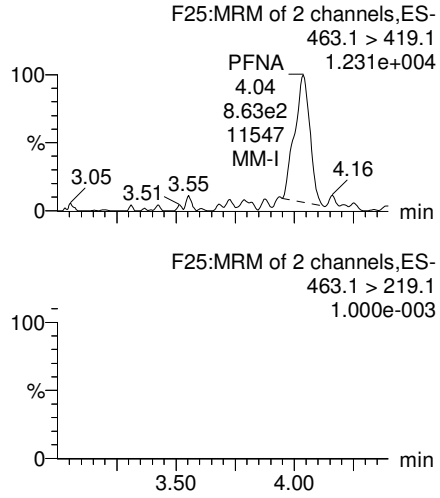
Total PFHxS



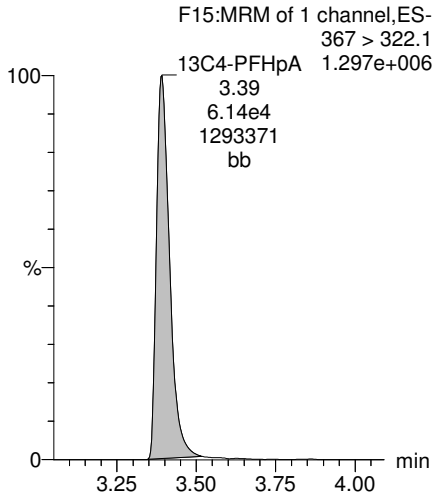
Total PFOA



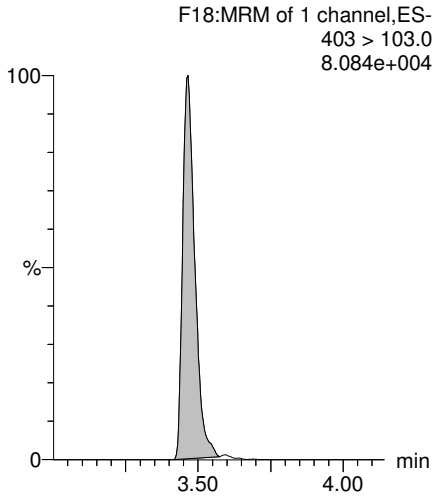
PFNA



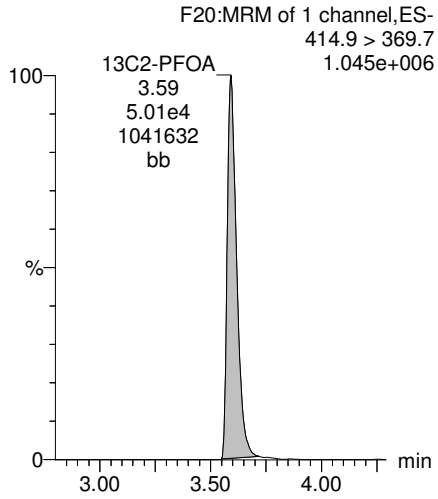
13C4-PFHpA



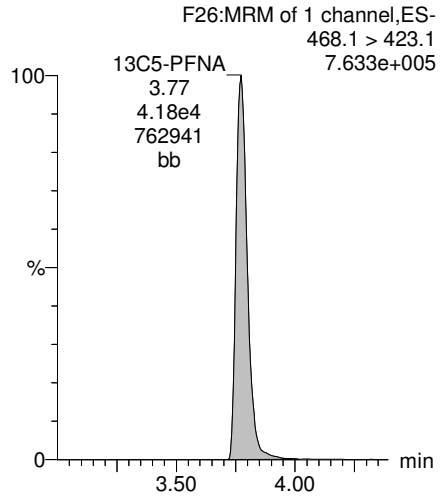
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/24/17

Vista Analytical Laboratory

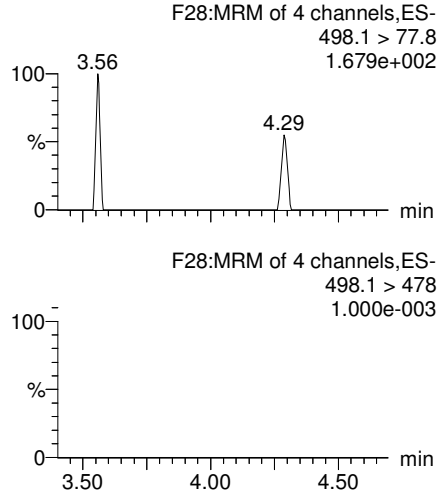
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-17.qld

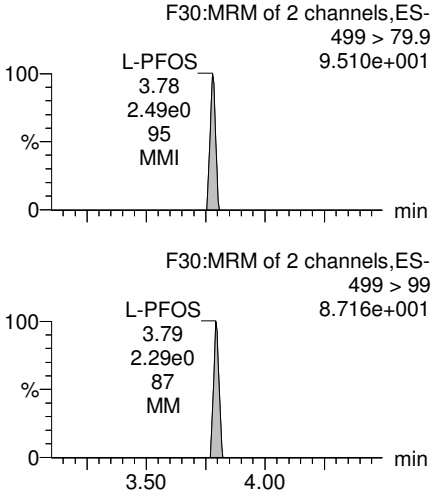
Last Altered: Wednesday, October 18, 2017 14:43:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:29:34 Pacific Daylight Time

Name: 171016M4_17, Date: 16-Oct-2017, Time: 16:28:45, ID: B7J0071-BLK1 Method Blank 0.125, Description: Method Blank

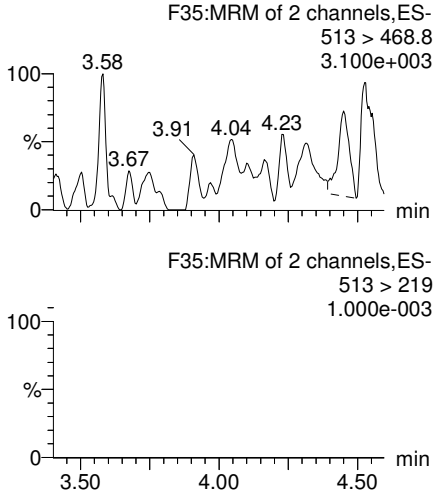
PFOSA



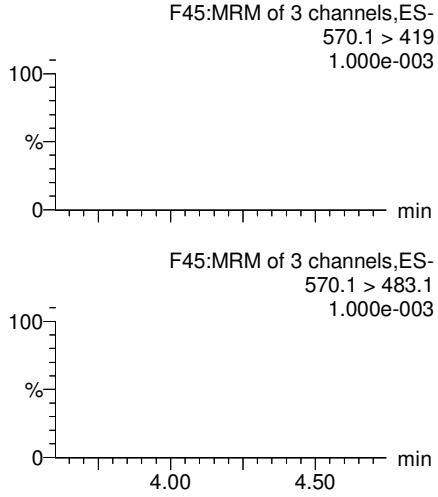
Total PFOS



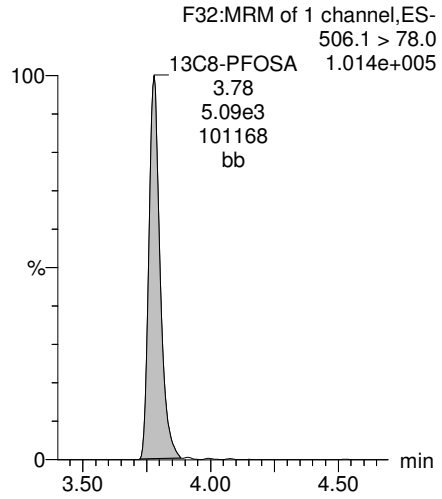
PFDA



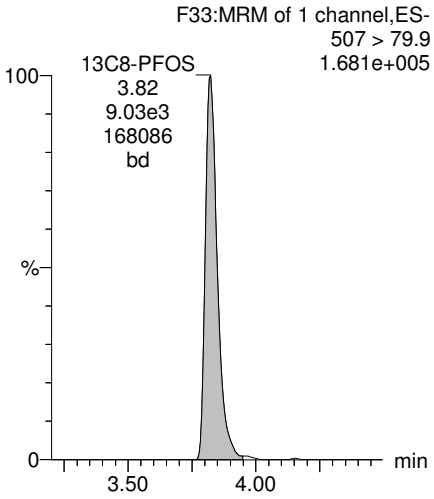
N-MeFOSAA



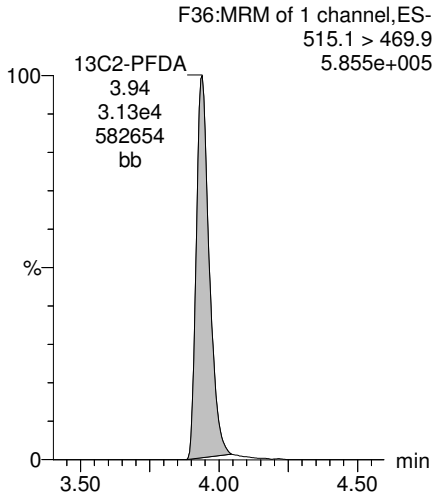
13C8-PFOSA



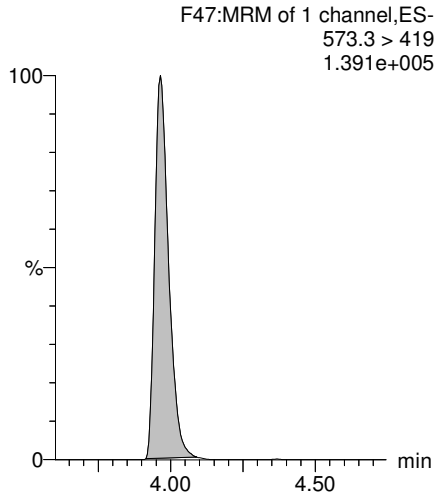
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/24/17

Vista Analytical Laboratory

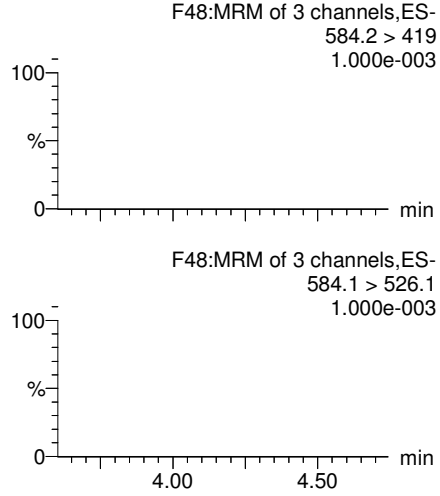
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-17.qld

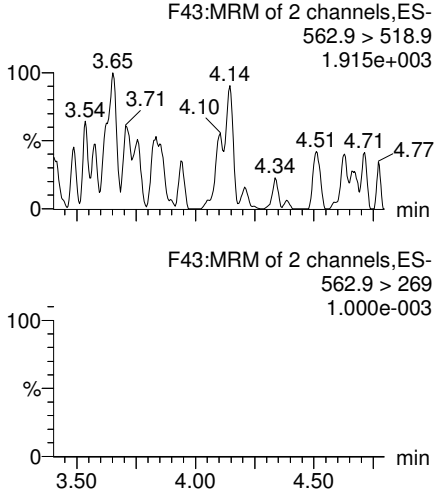
Last Altered: Wednesday, October 18, 2017 14:43:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:29:34 Pacific Daylight Time

Name: 171016M4_17, Date: 16-Oct-2017, Time: 16:28:45, ID: B7J0071-BLK1 Method Blank 0.125, Description: Method Blank

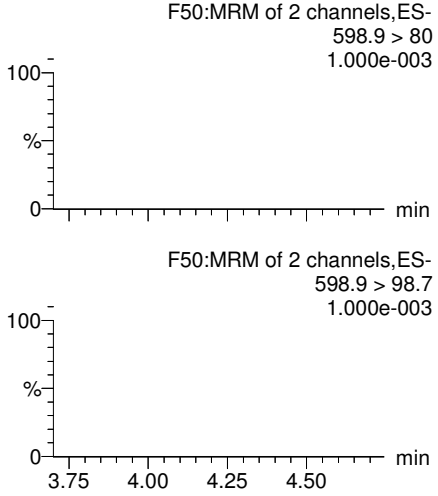
N-EtFOSAA



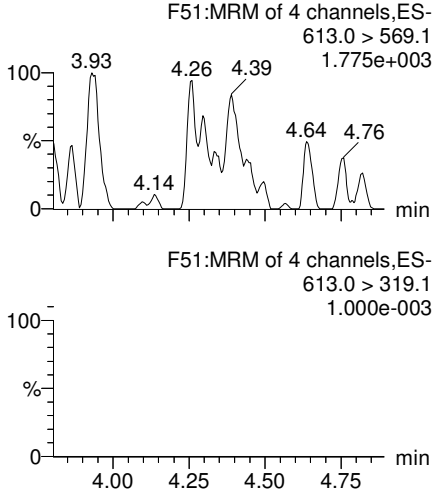
PFUnA



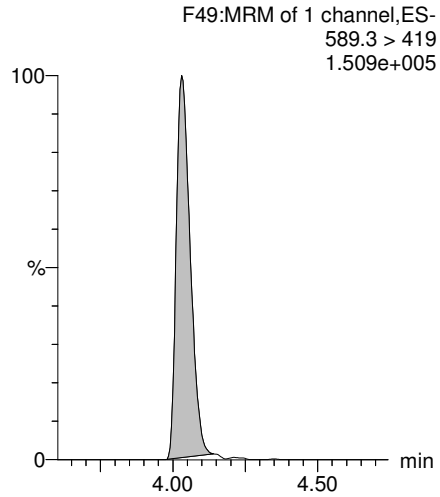
PFDS



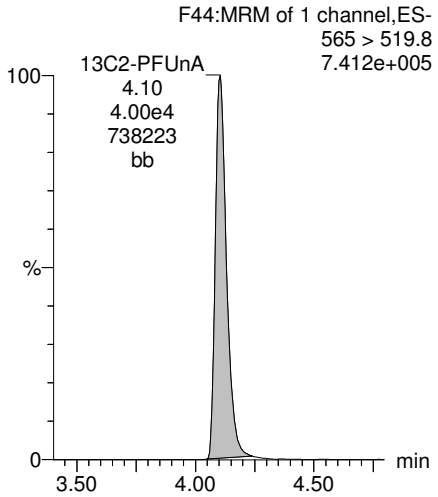
PFDoA



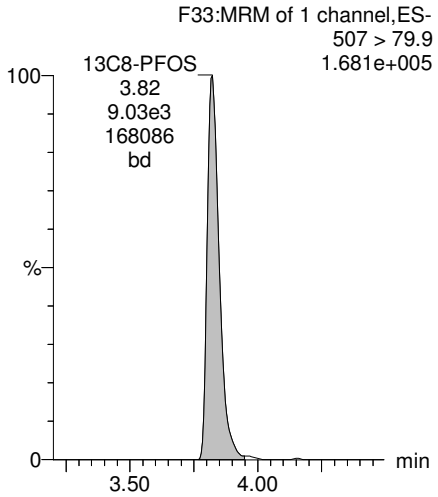
d5-N-EtFOSAA



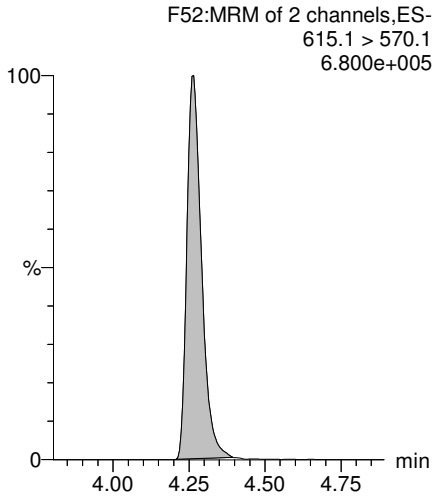
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/24/17

Vista Analytical Laboratory

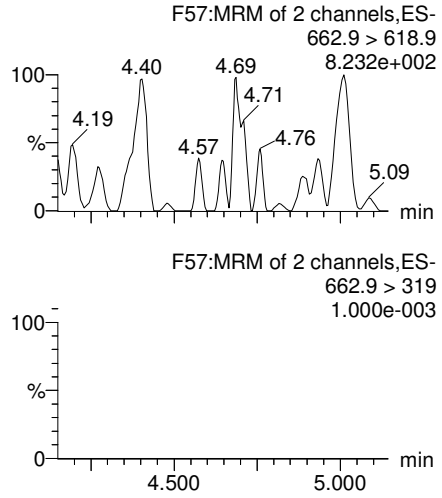
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-17.qld

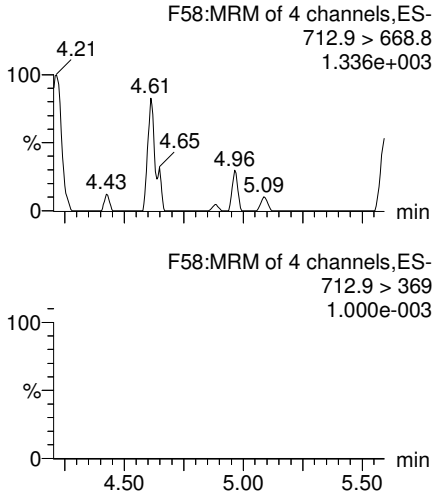
Last Altered: Wednesday, October 18, 2017 14:43:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:29:34 Pacific Daylight Time

Name: 171016M4_17, Date: 16-Oct-2017, Time: 16:28:45, ID: B7J0071-BLK1 Method Blank 0.125, Description: Method Blank

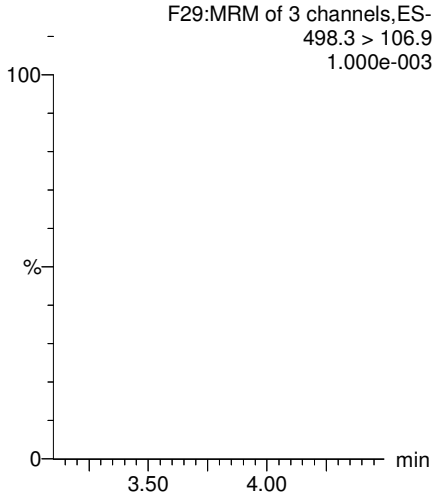
PFTrDA



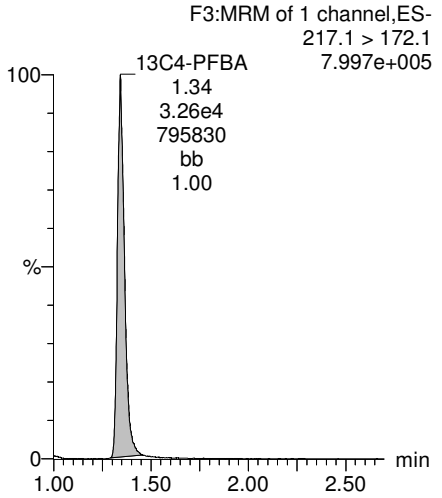
PFTeDA



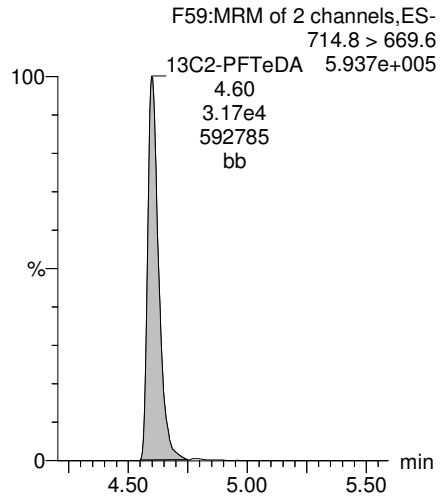
TCDA



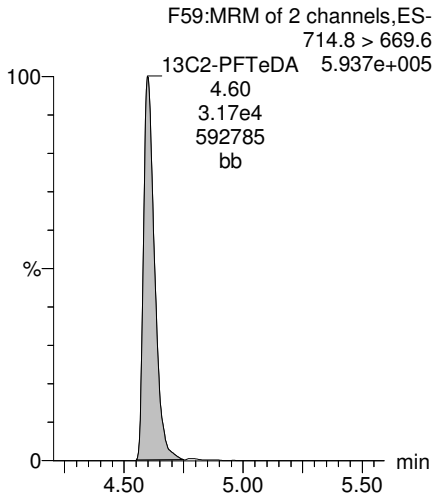
13C4-PFBA



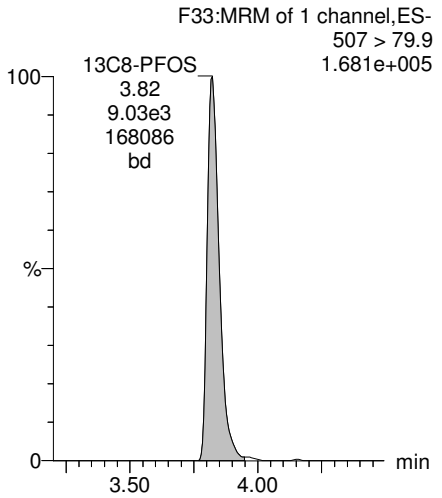
13C2-PFTeDA



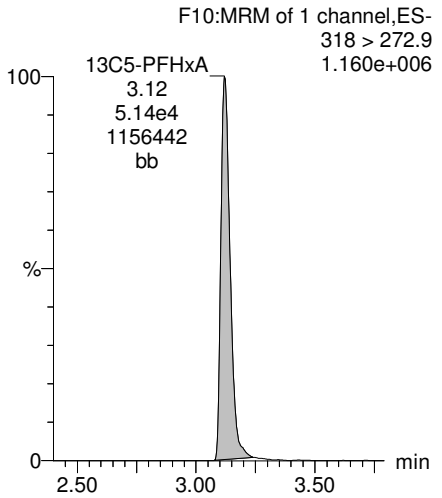
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

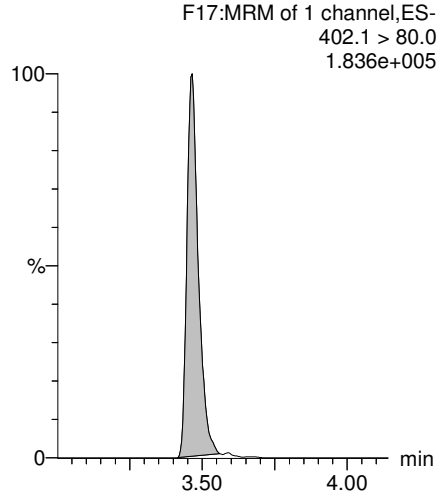
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-17.qld

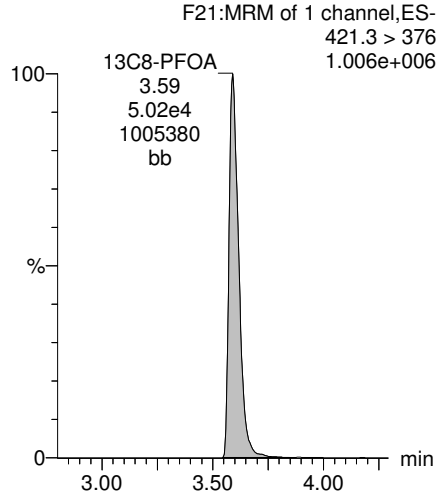
Last Altered: Wednesday, October 18, 2017 14:43:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:29:34 Pacific Daylight Time

Name: 171016M4_17, Date: 16-Oct-2017, Time: 16:28:45, ID: B7J0071-BLK1 Method Blank 0.125, Description: Method Blank

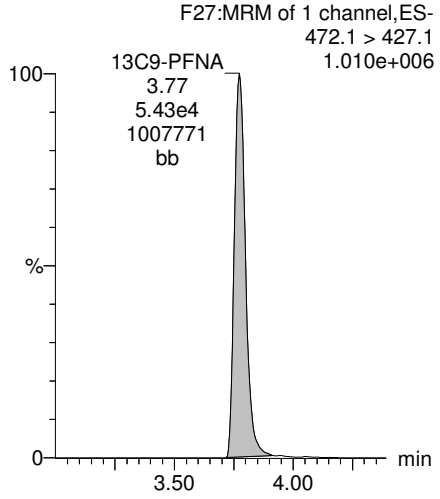
13C3-PFHxS



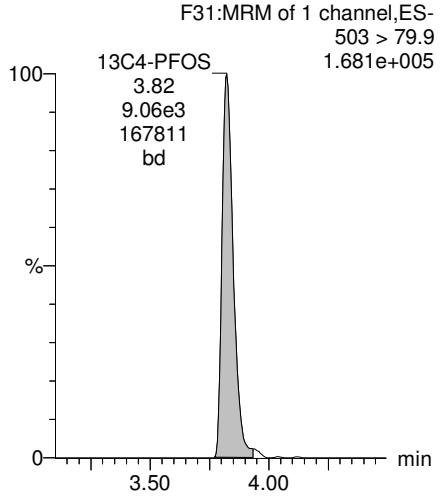
13C8-PFOA



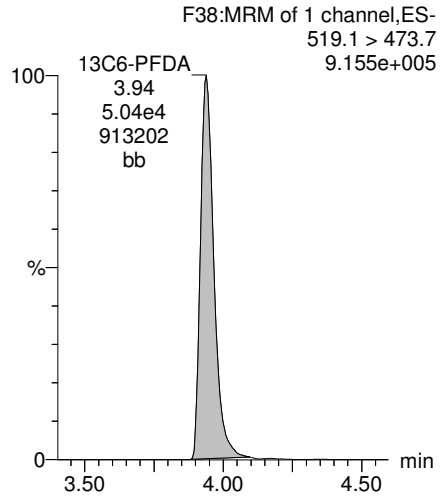
13C9-PFNA



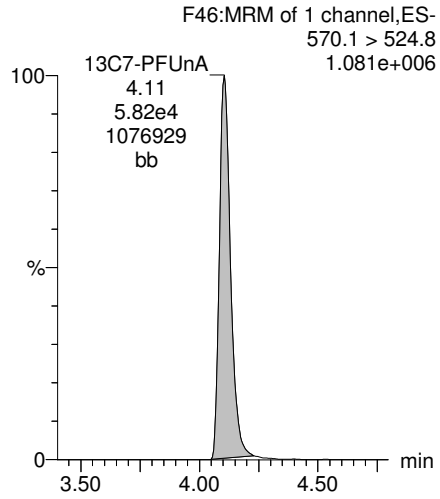
13C4-PFOS



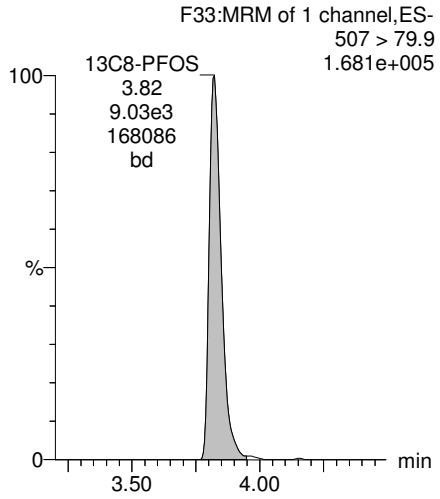
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-14.qld

Last Altered: Wednesday, October 18, 2017 14:35:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 09:24:19 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_14, Date: 16-Oct-2017, Time: 15:56:28, ID: B7J0071-BS1 OPR 0.125, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	2.49e4	2.93e4	0.125		1.32	1.34	10.6	81.2	101.5
2	2	PFPeA	263.1 > 219.1	3.17e4	3.81e4	0.125		2.61	2.63	10.4	85.5	106.9
3	3	PFBS	299.1 > 79.9	7.25e3	8.46e3	0.125		3.09	2.87	10.7	91.2	114.0
4	4	PFHxA	313.2 > 268.9	4.12e4	1.21e4	0.125		3.31	3.12	17.0	93.0	116.2
5	5	PFHpA	363.1 > 319.1	4.81e4	6.25e4	0.125		3.56	3.39	9.63	83.4	104.2
6	6	L-PFHxS	399.0 > 80.0	6.67e3	3.75e3	0.125		3.63	3.46	22.3	73.8	92.2
7	9	L-PFOA	413 > 368.7	3.79e4	4.53e4	0.125		3.77	3.59	10.5	84.3	105.3
8	12	PFNA	463.1 > 419.1	3.63e4	3.86e4	0.125		3.96	3.77	11.8	88.9	111.1
9	13	PFOSA	498.1 > 77.8	4.42e3	5.26e3	0.125		3.96	3.78	10.5	77.0	96.2
10	14	L-PFOS	499 > 79.9	7.56e3	8.44e3	0.125		3.81	3.82	11.2	88.3	110.4
11	16	PFDA	513 > 468.8	4.10e4	3.50e4	0.125		4.14	3.94	14.6	81.2	101.5
12	18	N-MeFOSAA	570.1 > 419	9.18e3	7.68e3	0.125		4.17	3.97	194	78.9	98.6
13	19	N-EtFOSAA	584.2 > 419	6.82e3	7.99e3	0.125		4.23	4.04	139	80.5	100.7
14	20	PFUnA	562.9 > 518.9	2.44e4	4.02e4	0.125		4.31	4.10	7.60	84.6	105.8
15	21	PFDS	598.9 > 80	6.48e3	4.02e4	0.125		4.36	4.15	2.02	96.9	121.1
16	22	PFDoA	613.0 > 569.1	3.83e4	4.24e4	0.125		4.49	4.26	11.3	84.5	105.7
17	24	PFTrDA	662.9 > 618.9	3.70e4	4.24e4	0.125		4.68	4.43	10.9	86.1	107.6

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-14.qld

Last Altered: Wednesday, October 18, 2017 14:35:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 09:24:33 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_14, Date: 16-Oct-2017, Time: 15:56:28, ID: B7J0071-BS1 OPR 0.125, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8	2.46e4	3.07e4	0.125		4.60	4.60	10.0	79.6	99.5
2	31	13C3-PFBA	216.1 > 172.1	2.93e4	3.32e4	0.125	0.956	1.32	1.34	11.0	92.1	92.1
3	32	13C3-PFPeA	266.1 > 222.1	3.81e4	4.80e4	0.125	0.288	2.91	2.63	3.97	110	110.1
4	33	13C3-PFBS	302.1 > 79.9	8.46e3	4.80e4	0.125	0.065	3.09	2.87	0.881	108	107.9
5	34	13C2-PFHxA	315 > 269.8	1.21e4	4.80e4	0.125	0.297	3.31	3.12	1.26	34.0	85.1
6	35	13C4-PFHpA	367 > 322.1	6.25e4	4.80e4	0.125	0.641	3.56	3.39	6.51	81.2	81.2
7	36	18O2-PFHxS	403 > 103.0	3.75e3	7.73e3	0.125	0.519	3.63	3.46	6.06	93.4	93.4
8	37	13C2-6:2 FTS	429.1 > 408.9	7.45e3	4.65e4	0.125	0.177	3.76	3.58	2.00	90.3	90.3
9	38	13C2-PFOA	414.9 > 369.7	4.53e4	4.65e4	0.125	1.147	3.77	3.59	12.2	85.0	85.0
10	39	13C5-PFNA	468.1 > 423.1	3.86e4	5.04e4	0.125	0.939	3.96	3.77	9.58	81.6	81.6
11	40	13C8-PFOSA	506.1 > 78.0	5.26e3	5.71e4	0.125	0.177	3.96	3.78	1.15	51.9	51.9
12	41	13C8-PFOS	507 > 79.9	8.44e3	8.70e3	0.125	1.067	3.81	3.82	12.1	90.9	90.9
13	42	13C2-PFDA	515.1 > 469.9	3.50e4	5.32e4	0.125	0.835	4.14	3.94	8.23	78.9	78.9
14	43	13C2-8:2 FTS	529.1 > 508.7	4.87e3	5.32e4	0.125	0.118	4.14	3.93	1.14	77.8	77.8
15	44	d3-N-MeFOSAA	573.3 > 419	7.68e3	5.71e4	0.125	0.013	4.17	3.96	1.68	1020	78.4
16	45	d5-N-EtFOSAA	589.3 > 419	7.99e3	5.71e4	0.125	0.015	4.23	4.03	1.75	911	70.1
17	46	13C2-PFUnA	565 > 519.8	4.02e4	5.71e4	0.125	1.017	4.31	4.10	8.79	69.1	69.1
18	47	13C2-PFDoA	615.1 > 570.1	4.24e4	5.71e4	0.125	0.984	4.49	4.26	9.29	75.5	75.5
19	49	13C2-PFTeDA	714.8 > 669.6	3.07e4	5.71e4	0.125	0.618	4.88	4.60	6.71	86.9	86.9
20	54	13C4-PFBA	217.1 > 172.1	3.32e4	3.32e4	0.125	1.000	1.32	1.34	12.5	100	100.0
21	55	13C5-PFHxA	318 > 272.9	4.80e4	4.80e4	0.125	1.000	3.31	3.13	5.00	40.0	100.0
22	56	13C3-PFHxS	402.1 > 80.0	7.73e3	7.73e3	0.125	1.000	3.63	3.46	12.5	100	100.0
23	57	13C8-PFOA	421.3 > 376	4.65e4	4.65e4	0.125	1.000	3.77	3.59	12.5	100	100.0
24	58	13C9-PFNA	472.1 > 427.1	5.04e4	5.04e4	0.125	1.000	3.96	3.77	12.5	100	100.0
25	59	13C4-PFOS	503 > 79.9	8.70e3	8.70e3	0.125	1.000	3.81	3.83	12.5	100	100.0
26	60	13C6-PFDA	519.1 > 473.7	5.32e4	5.32e4	0.125	1.000	4.14	3.94	12.5	100	100.0
27	61	13C7-PFUnA	570.1 > 524.8	5.71e4	5.71e4	0.125	1.000	4.31	4.11	12.5	100	100.0
28	62	Total PFHxS	399.0 > 80.0	6.67e3	3.75e3	0.125		3.63		22.3	73.8	
29	63	Total PFOA	413 > 368.7	3.79e4	4.53e4	0.125		3.77		10.5	84.3	
30	64	Total PFOS	499 > 79.9	7.56e3	8.44e3	0.125		3.81		11.2	88.3	
31	65	Total N-MeFOSAA	570.1 > 419	9.18e3	7.68e3	0.125		4.17		194	78.9	
32	66	Total N-EtFOSAA	584.2 > 419	6.82e3	7.99e3	0.125		4.23		139	80.5	

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

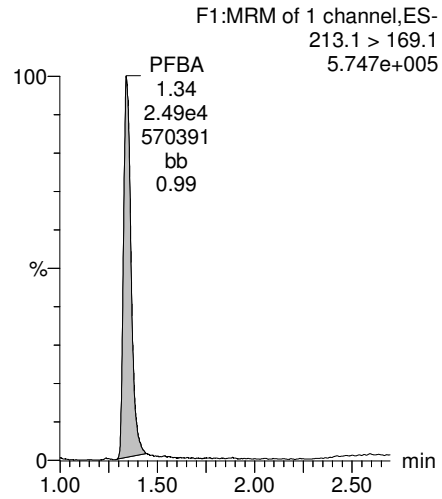
Dataset: U:\Q4.PRO\results\171016M4\171016M4-14.qld

Last Altered: Wednesday, October 18, 2017 14:35:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 09:24:19 Pacific Daylight Time

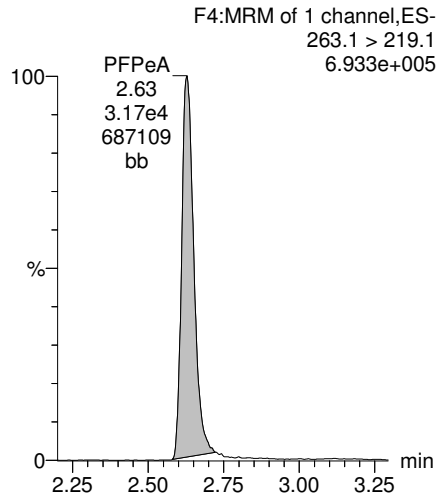
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_14, Date: 16-Oct-2017, Time: 15:56:28, ID: B7J0071-BS1 OPR 0.125, Description: OPR

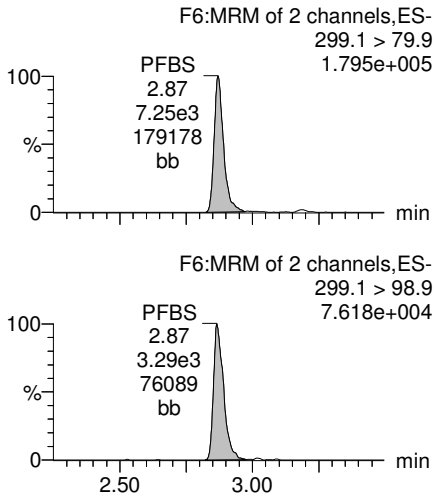
PFBA



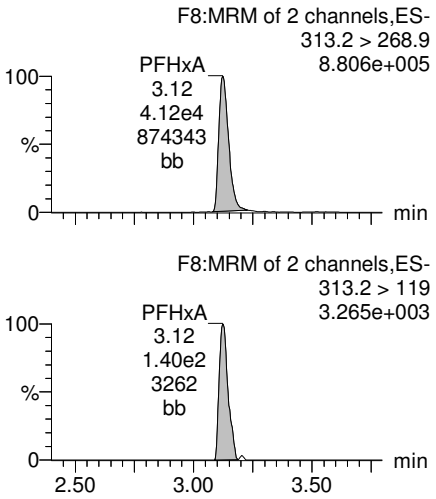
PFPeA



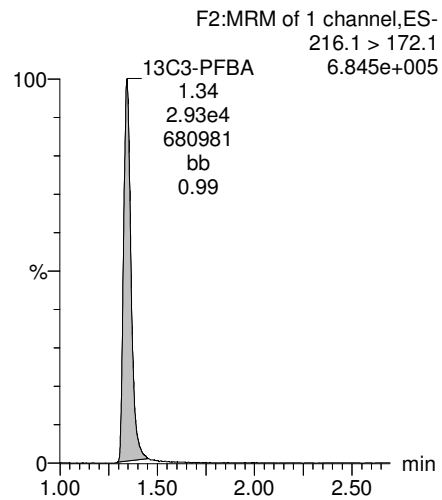
PFBS



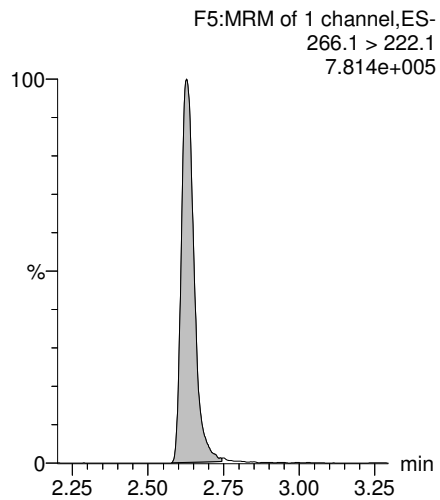
PFHxA



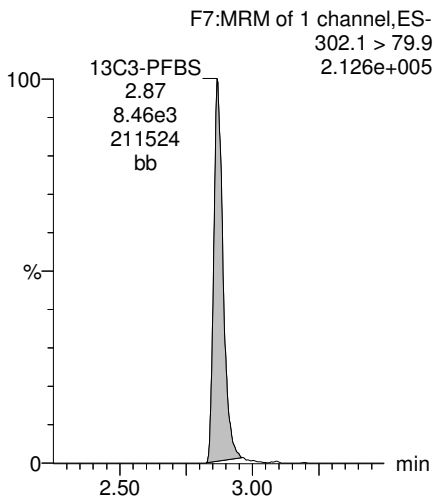
13C3-PFBA



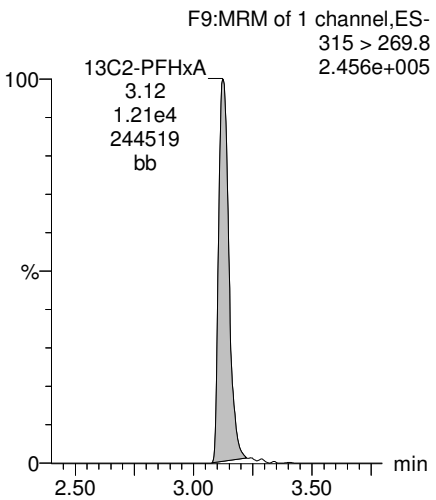
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/24/17

Vista Analytical Laboratory

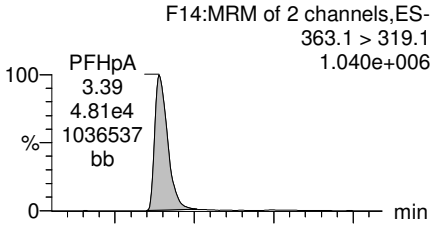
Rev'd: MM 10/30/17

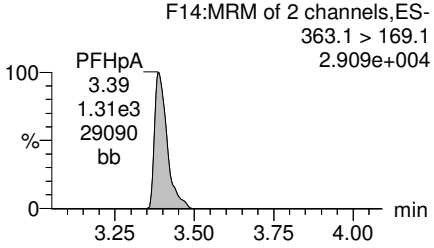
Dataset: U:\Q4.PRO\results\171016M4\171016M4-14.qld

Last Altered: Wednesday, October 18, 2017 14:35:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 09:24:19 Pacific Daylight Time

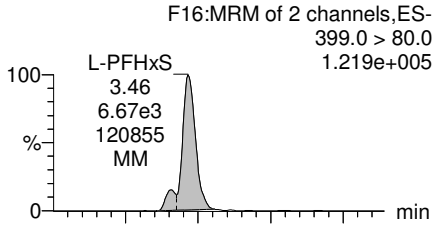
Name: 171016M4_14, Date: 16-Oct-2017, Time: 15:56:28, ID: B7J0071-BS1 OPR 0.125, Description: OPR

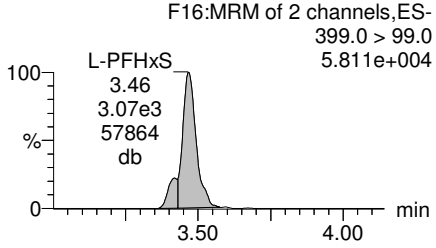
PFHpA



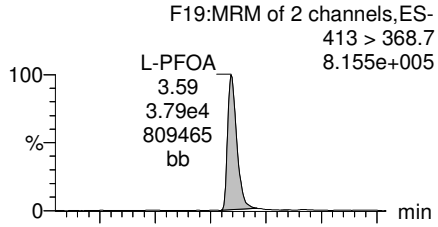


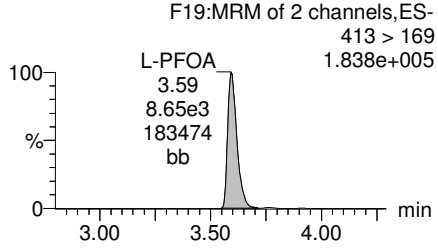
Total PFHxS



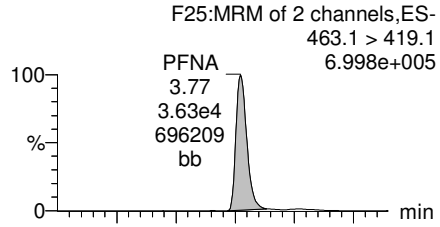


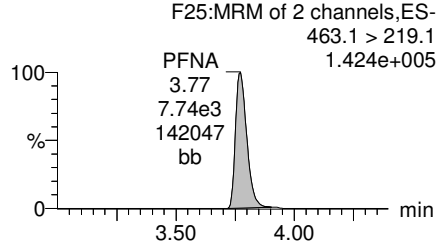
Total PFOA



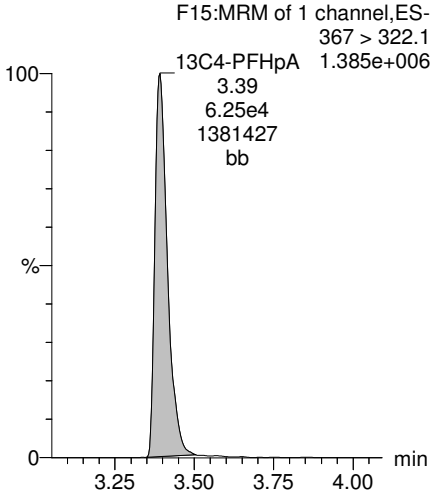


PFNA

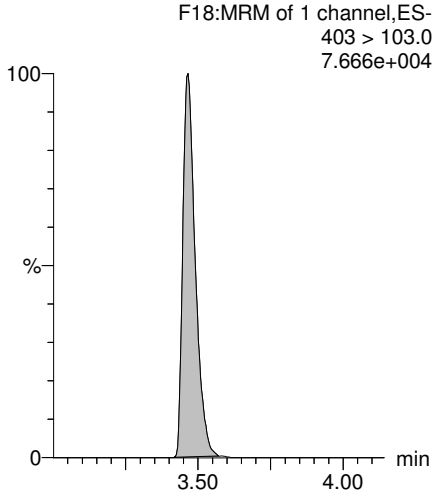




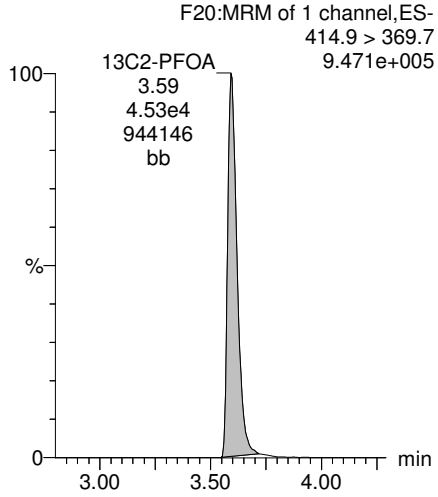
13C4-PFHpA



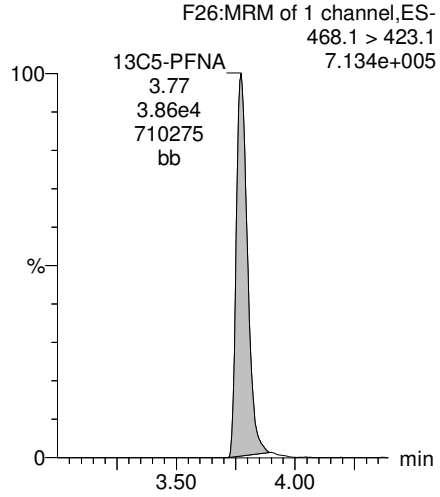
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/24/17

Vista Analytical Laboratory

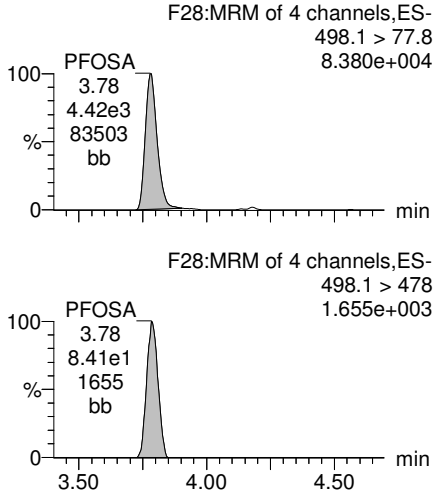
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-14.qld

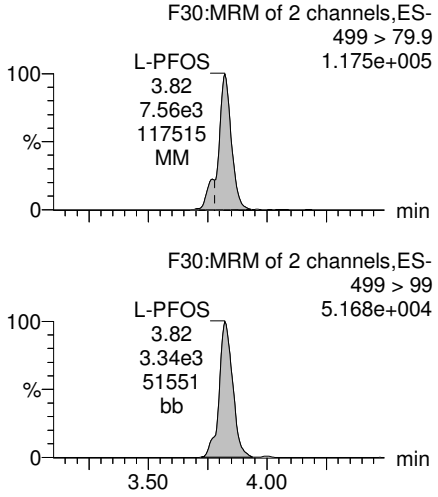
Last Altered: Wednesday, October 18, 2017 14:35:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 09:24:19 Pacific Daylight Time

Name: 171016M4_14, Date: 16-Oct-2017, Time: 15:56:28, ID: B7J0071-BS1 OPR 0.125, Description: OPR

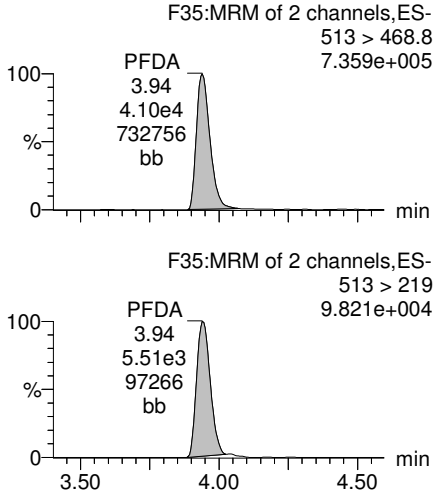
PFOSA



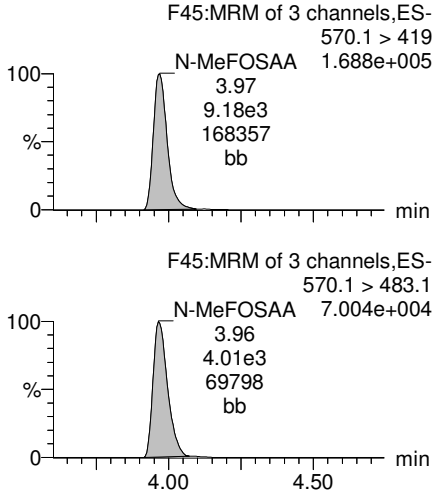
Total PFOS



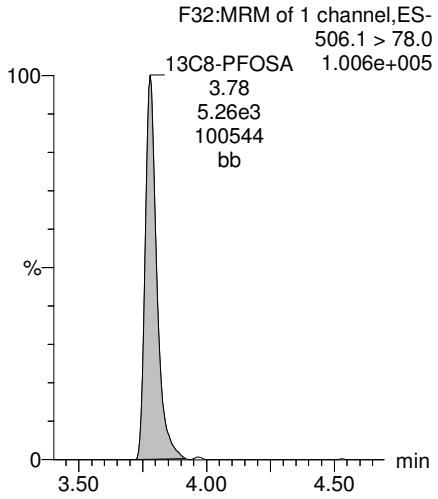
PFDA



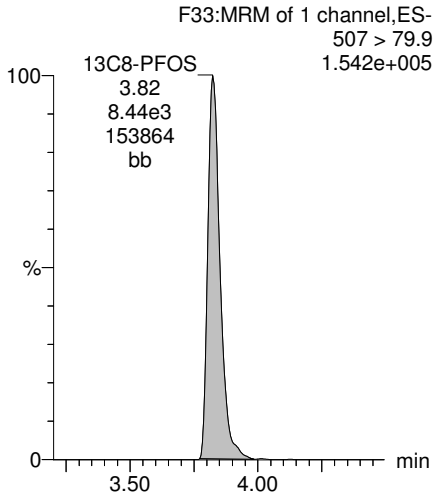
N-MeFOSAA



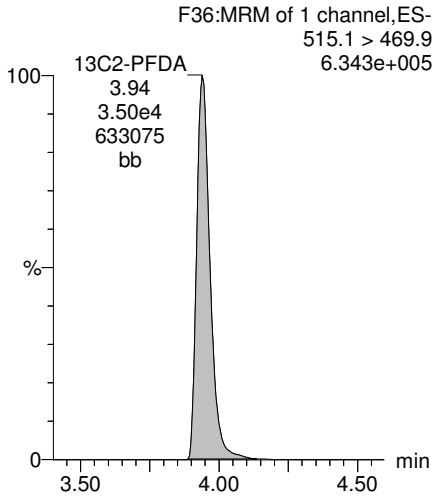
13C8-PFOSA



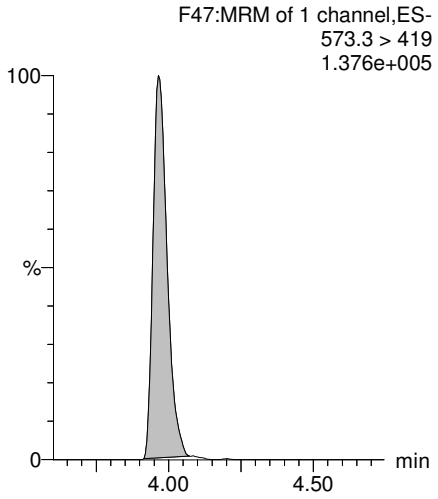
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/24/17

Vista Analytical Laboratory

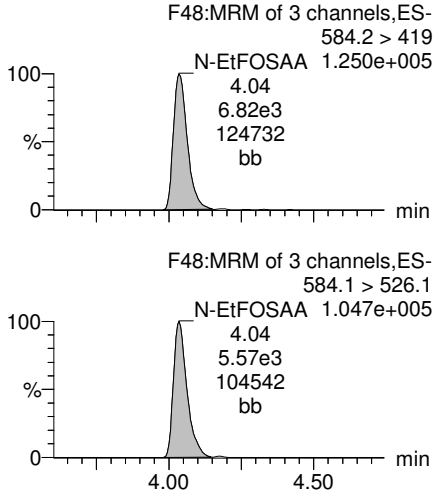
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-14.qld

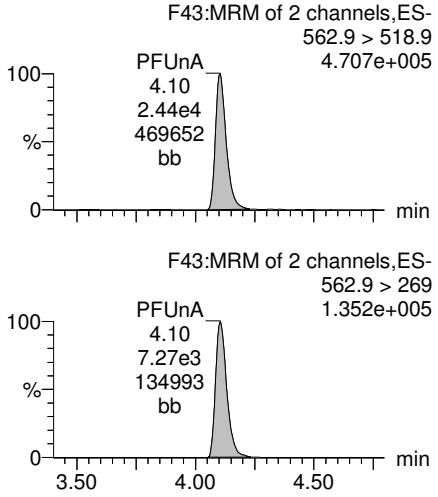
Last Altered: Wednesday, October 18, 2017 14:35:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 09:24:19 Pacific Daylight Time

Name: 171016M4_14, Date: 16-Oct-2017, Time: 15:56:28, ID: B7J0071-BS1 OPR 0.125, Description: OPR

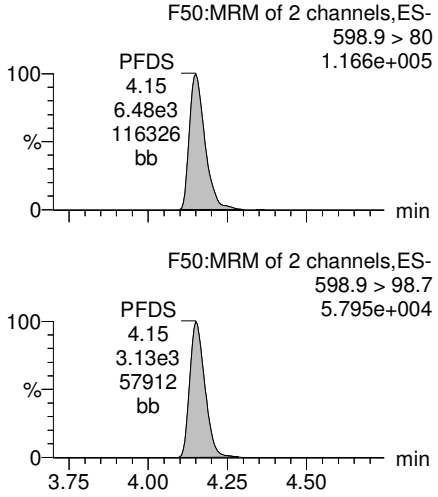
N-EtFOSAA



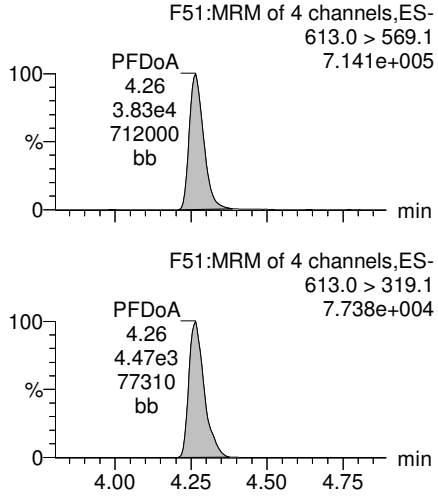
PFUnA



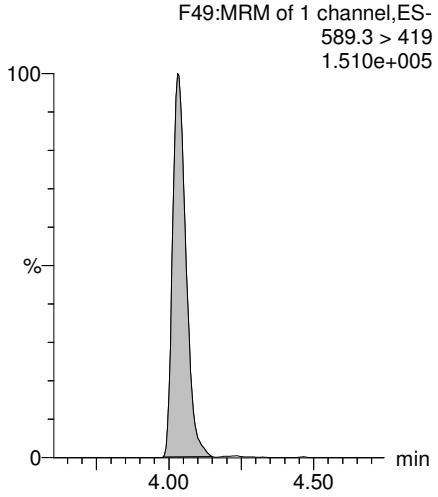
PFDS



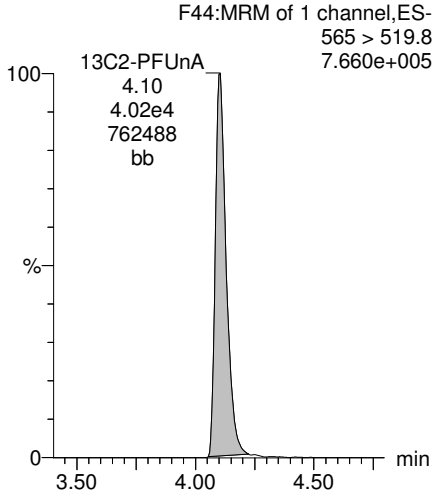
PFDoA



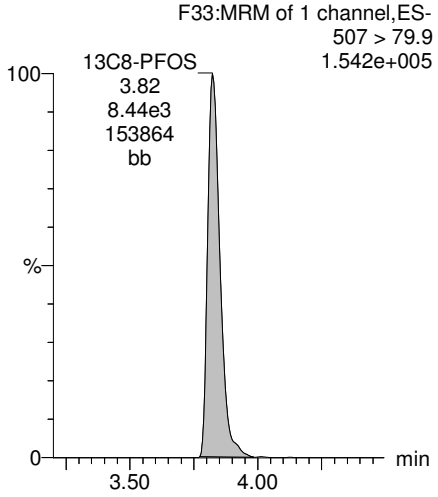
d5-N-EtFOSAA



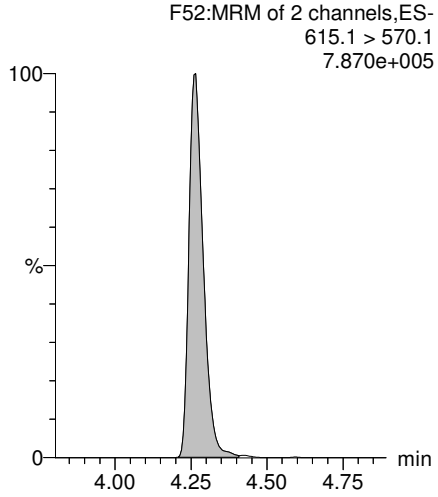
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/24/17

Vista Analytical Laboratory

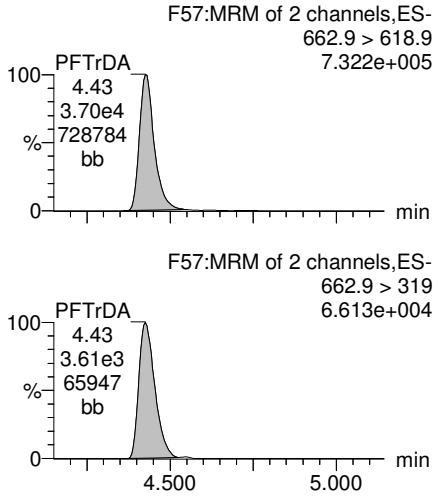
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-14.qld

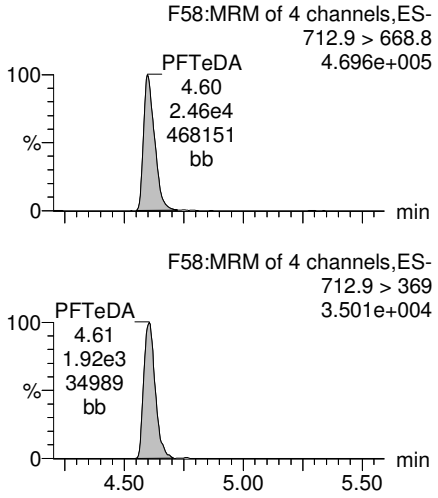
Last Altered: Wednesday, October 18, 2017 14:35:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 09:24:19 Pacific Daylight Time

Name: 171016M4_14, Date: 16-Oct-2017, Time: 15:56:28, ID: B7J0071-BS1 OPR 0.125, Description: OPR

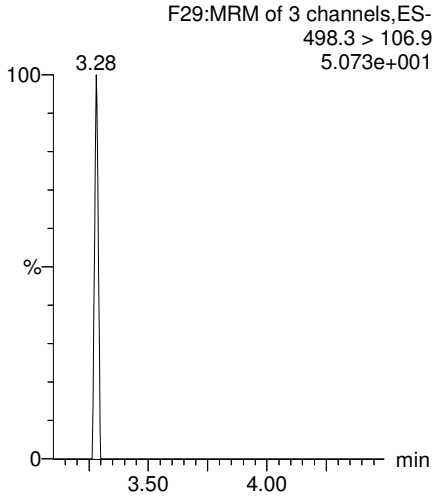
PFTrDA



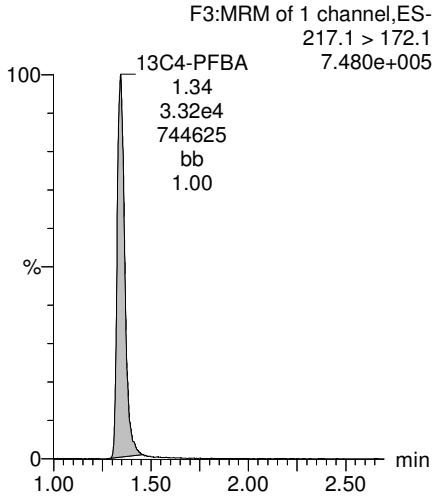
PFTeDA



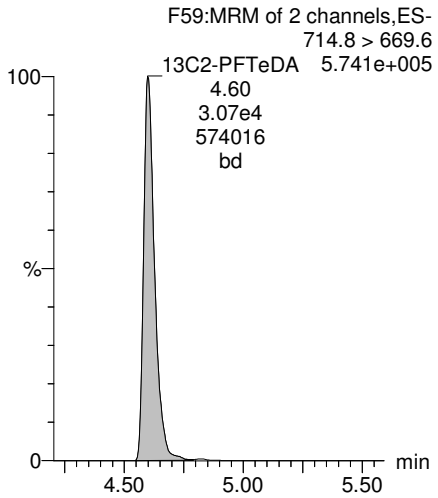
TCDA



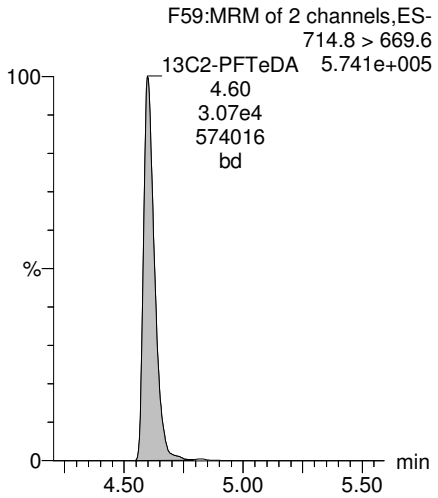
13C4-PFBA



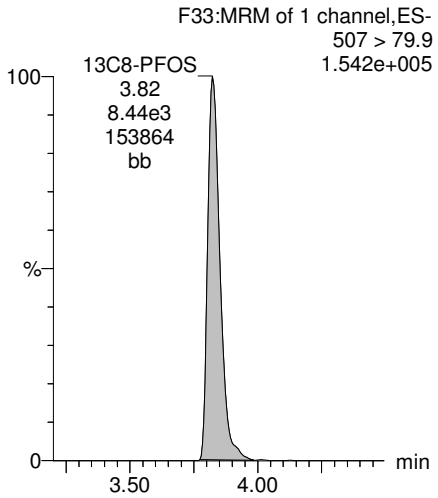
13C2-PFTeDA



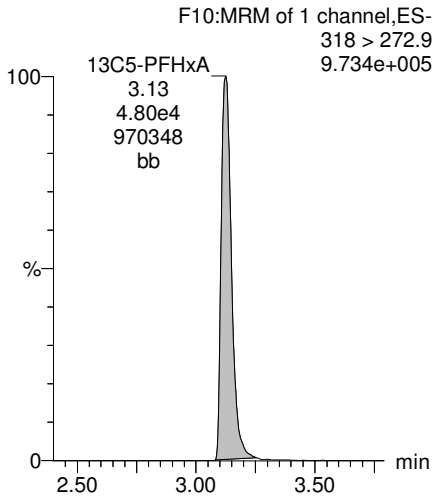
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

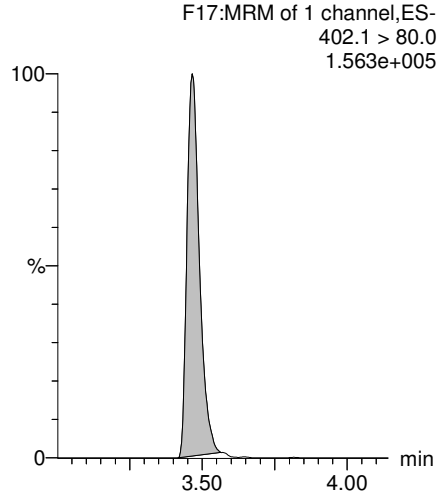
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-14.qld

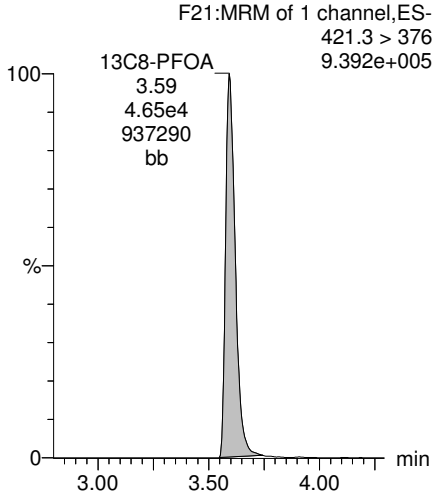
Last Altered: Wednesday, October 18, 2017 14:35:30 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 09:24:19 Pacific Daylight Time

Name: 171016M4_14, Date: 16-Oct-2017, Time: 15:56:28, ID: B7J0071-BS1 OPR 0.125, Description: OPR

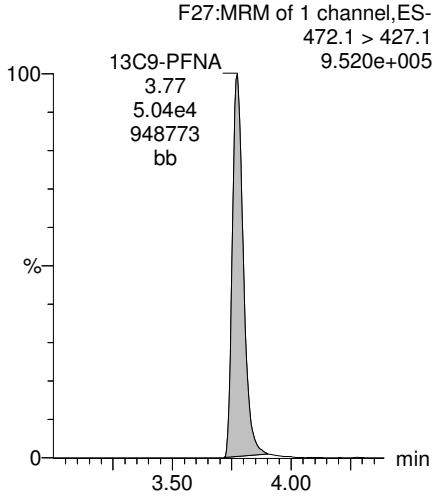
13C3-PFHxS



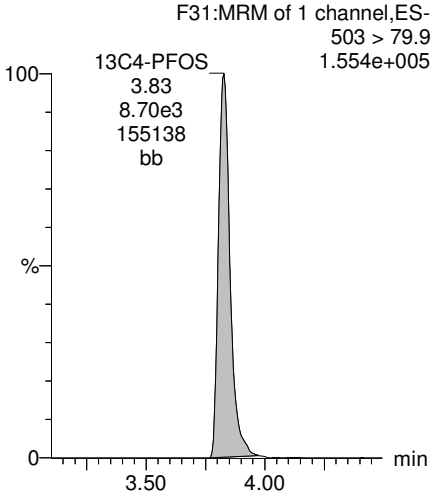
13C8-PFOA



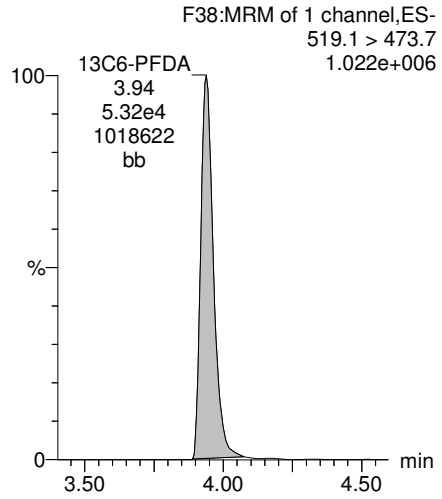
13C9-PFNA



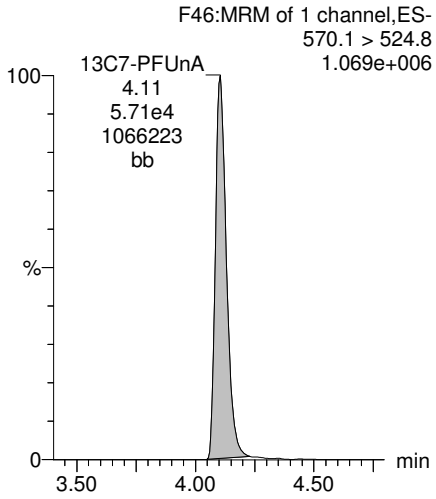
13C4-PFOS



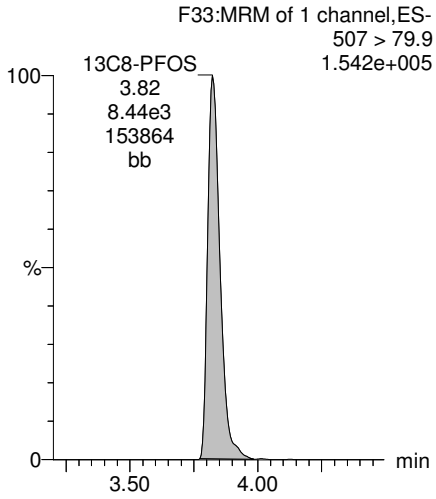
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-15.qld

Last Altered: Wednesday, October 18, 2017 14:39:28 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 09:27:10 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_15, Date: 16-Oct-2017, Time: 16:07:12, ID: B7J0071-BSD1 LCS Dup 0.125, Description: LCS Dup

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	2.61e4	3.02e4	0.125		1.32	1.34	10.8	82.6	103.3
2	2	PFPeA	263.1 > 219.1	3.43e4	3.94e4	0.125		2.61	2.63	10.9	89.6	112.0
3	3	PFBS	299.1 > 79.9	7.81e3	9.70e3	0.125		3.09	2.87	10.1	85.8	107.2
4	4	PFHxA	313.2 > 268.9	4.79e4	1.32e4	0.125		3.31	3.12	18.1	99.3	124.2
5	5	PFHpA	363.1 > 319.1	4.93e4	6.23e4	0.125		3.56	3.40	9.89	85.7	107.1
6	6	L-PFHxS	399.0 > 80.0	7.45e3	4.07e3	0.125		3.63	3.47	22.9	75.9	94.8
7	9	L-PFOA	413 > 368.7	3.90e4	4.45e4	0.125		3.77	3.59	11.0	88.5	110.6
8	12	PFNA	463.1 > 419.1	3.50e4	4.00e4	0.125		3.96	3.77	10.9	82.7	103.3
9	13	PFOSA	498.1 > 77.8	4.60e3	5.20e3	0.125		3.96	3.78	11.1	81.0	101.3
10	14	L-PFOS	499 > 79.9	7.75e3	8.49e3	0.125		3.81	3.82	11.4	90.0	112.6
11	16	PFDA	513 > 468.8	3.84e4	3.17e4	0.125		4.14	3.93	15.1	84.0	105.0
12	18	N-MeFOSAA	570.1 > 419	1.02e4	8.58e3	0.125		4.17	3.97	193	78.5	98.1
13	19	N-EtFOSAA	584.2 > 419	7.52e3	8.46e3	0.125		4.23	4.04	144	83.8	104.8
14	20	PFUnA	562.9 > 518.9	2.44e4	4.25e4	0.125		4.31	4.10	7.19	80.1	100.1
15	21	PFDS	598.9 > 80	7.37e3	4.25e4	0.125		4.36	4.15	2.17	104	130.2
16	22	PFDoA	613.0 > 569.1	3.69e4	3.90e4	0.125		4.49	4.26	11.8	88.7	110.8
17	24	PFTrDA	662.9 > 618.9	3.88e4	3.90e4	0.125		4.68	4.42	12.4	98.3	122.9

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-15.qld

Last Altered: Wednesday, October 18, 2017 14:39:28 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:15:27 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_15, Date: 16-Oct-2017, Time: 16:07:12, ID: B7J0071-BSD1 LCS Dup 0.125, Description: LCS Dup

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8	2.66e4	3.06e4	0.125		4.60	4.60	10.9	86.4	108.0
2	31	13C3-PFBA	216.1 > 172.1	3.02e4	3.38e4	0.125	0.956	1.32	1.34	11.1	93.2	93.2
3	32	13C3-PFPeA	266.1 > 222.1	3.94e4	5.18e4	0.125	0.288	2.91	2.63	3.80	105	105.4
4	33	13C3-PFBS	302.1 > 79.9	9.70e3	5.18e4	0.125	0.065	3.09	2.87	0.936	115	114.6
5	34	13C2-PFHxA	315 > 269.8	1.32e4	5.18e4	0.125	0.297	3.31	3.12	1.27	34.3	85.8
6	35	13C4-PFHpA	367 > 322.1	6.23e4	5.18e4	0.125	0.641	3.56	3.39	6.01	75.0	75.0
7	36	18O2-PFHxS	403 > 103.0	4.07e3	8.21e3	0.125	0.519	3.63	3.47	6.19	95.3	95.3
8	37	13C2-6:2 FTS	429.1 > 408.9	8.54e3	4.66e4	0.125	0.177	3.76	3.58	2.29	103	103.4
9	38	13C2-PFOA	414.9 > 369.7	4.45e4	4.66e4	0.125	1.147	3.77	3.59	11.9	83.3	83.3
10	39	13C5-PFNA	468.1 > 423.1	4.00e4	5.55e4	0.125	0.939	3.96	3.77	9.00	76.7	76.7
11	40	13C8-PFOSA	506.1 > 78.0	5.20e3	5.94e4	0.125	0.177	3.96	3.78	1.09	49.4	49.4
12	41	13C8-PFOS	507 > 79.9	8.49e3	8.33e3	0.125	1.067	3.81	3.82	12.7	95.6	95.6
13	42	13C2-PFDA	515.1 > 469.9	3.17e4	5.05e4	0.125	0.835	4.14	3.93	7.83	75.1	75.1
14	43	13C2-8:2 FTS	529.1 > 508.7	5.48e3	5.05e4	0.125	0.118	4.14	3.94	1.36	92.2	92.2
15	44	d3-N-MeFOSAA	573.3 > 419	8.58e3	5.94e4	0.125	0.013	4.17	3.97	1.81	1100	84.3
16	45	d5-N-EtFOSAA	589.3 > 419	8.46e3	5.94e4	0.125	0.015	4.23	4.03	1.78	928	71.4
17	46	13C2-PFUnA	565 > 519.8	4.25e4	5.94e4	0.125	1.017	4.31	4.10	8.94	70.3	70.3
18	47	13C2-PFDoA	615.1 > 570.1	3.90e4	5.94e4	0.125	0.984	4.49	4.26	8.22	66.8	66.8
19	49	13C2-PFTeDA	714.8 > 669.6	3.06e4	5.94e4	0.125	0.618	4.88	4.60	6.43	83.3	83.3
20	54	13C4-PFBA	217.1 > 172.1	3.38e4	3.38e4	0.125	1.000	1.32	1.34	12.5	100	100.0
21	55	13C5-PFHxA	318 > 272.9	5.18e4	5.18e4	0.125	1.000	3.31	3.12	5.00	40.0	100.0
22	56	13C3-PFHxS	402.1 > 80.0	8.21e3	8.21e3	0.125	1.000	3.63	3.47	12.5	100	100.0
23	57	13C8-PFOA	421.3 > 376	4.66e4	4.66e4	0.125	1.000	3.77	3.59	12.5	100	100.0
24	58	13C9-PFNA	472.1 > 427.1	5.55e4	5.55e4	0.125	1.000	3.96	3.77	12.5	100	100.0
25	59	13C4-PFOS	503 > 79.9	8.33e3	8.33e3	0.125	1.000	3.81	3.82	12.5	100	100.0
26	60	13C6-PFDA	519.1 > 473.7	5.05e4	5.05e4	0.125	1.000	4.14	3.94	12.5	100	100.0
27	61	13C7-PFUnA	570.1 > 524.8	5.94e4	5.94e4	0.125	1.000	4.31	4.10	12.5	100	100.0
28	62	Total PFHxS	399.0 > 80.0	7.45e3	4.07e3	0.125		3.63		22.9	75.9	
29	63	Total PFOA	413 > 368.7	3.90e4	4.45e4	0.125		3.77		11.0	88.5	
30	64	Total PFOS	499 > 79.9	7.75e3	8.49e3	0.125		3.81		11.4	90.0	
31	65	Total N-MeFOSAA	570.1 > 419	1.02e4	8.58e3	0.125		4.17		193	78.5	
32	66	Total N-EtFOSAA	584.2 > 419	7.52e3	8.46e3	0.125		4.23		144	83.8	

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

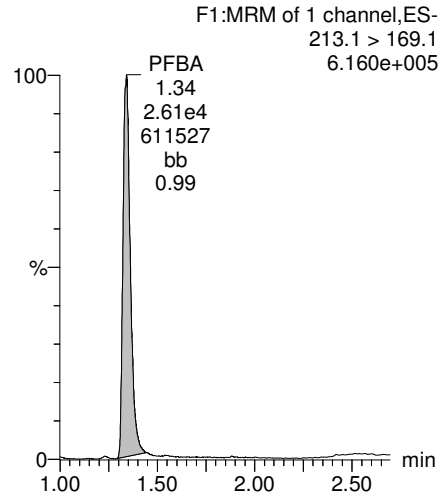
Dataset: U:\Q4.PRO\results\171016M4\171016M4-15.qld

Last Altered: Wednesday, October 18, 2017 14:39:28 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:15:27 Pacific Daylight Time

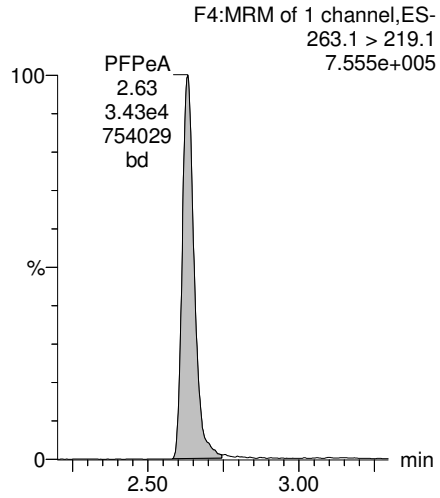
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_15, Date: 16-Oct-2017, Time: 16:07:12, ID: B7J0071-BSD1 LCS Dup 0.125, Description: LCS Dup

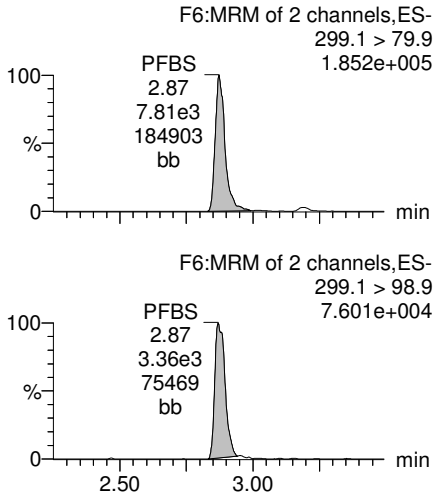
PFBA



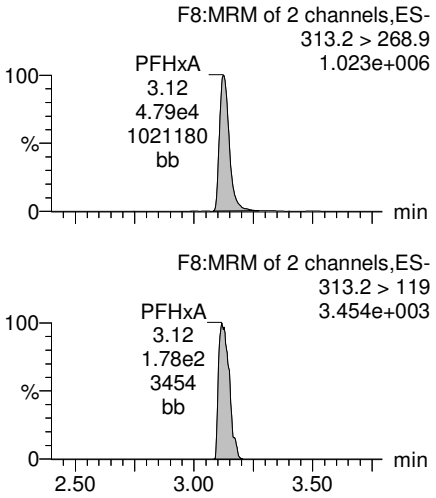
PFPeA



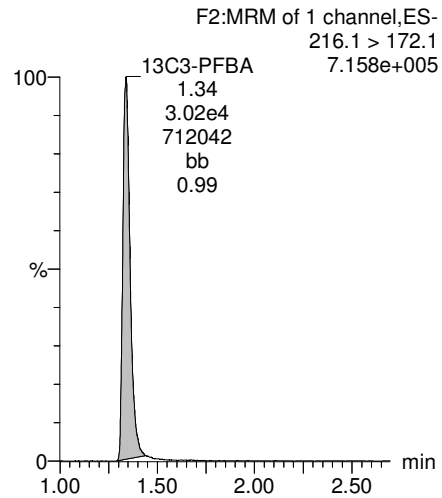
PFBS



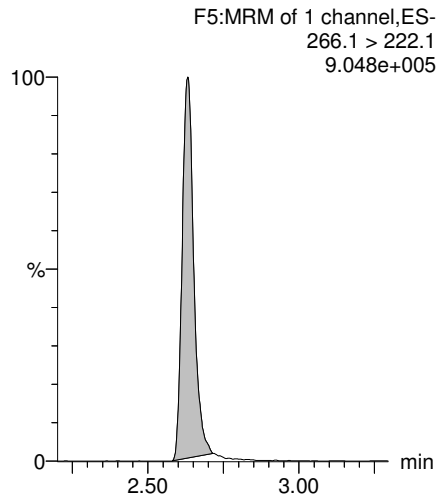
PFHxA



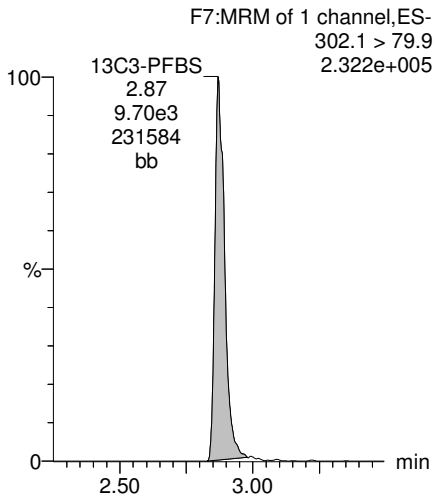
13C3-PFBA



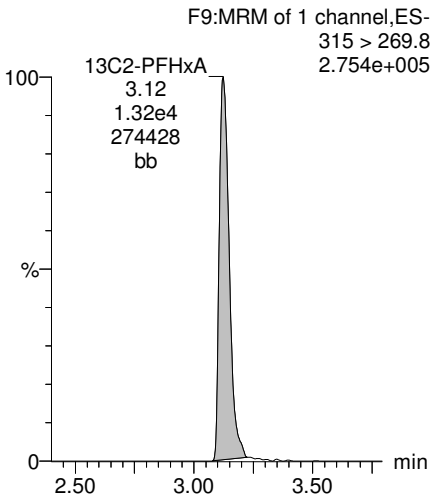
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/24/17

Vista Analytical Laboratory

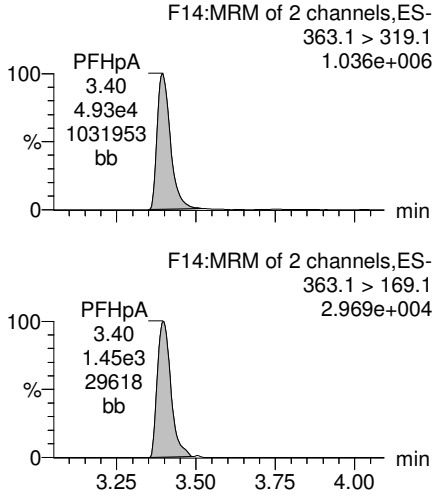
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-15.qld

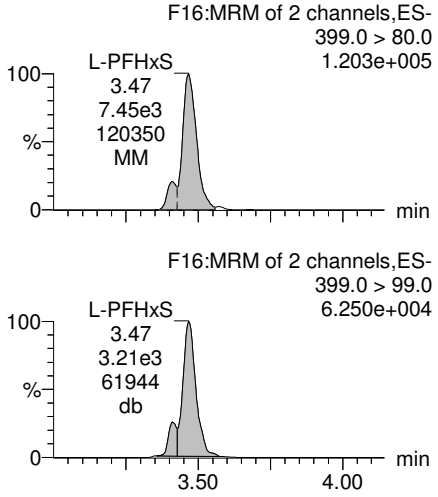
Last Altered: Wednesday, October 18, 2017 14:39:28 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:15:27 Pacific Daylight Time

Name: 171016M4_15, Date: 16-Oct-2017, Time: 16:07:12, ID: B7J0071-BSD1 LCS Dup 0.125, Description: LCS Dup

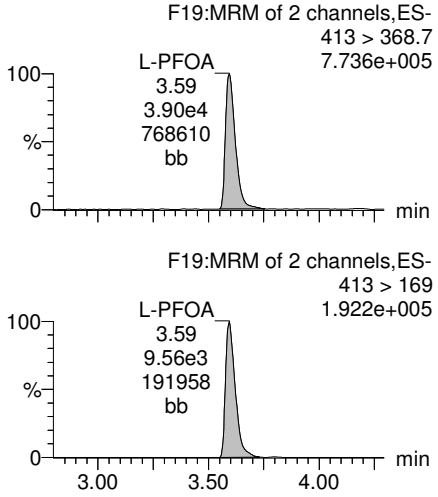
PFHpA



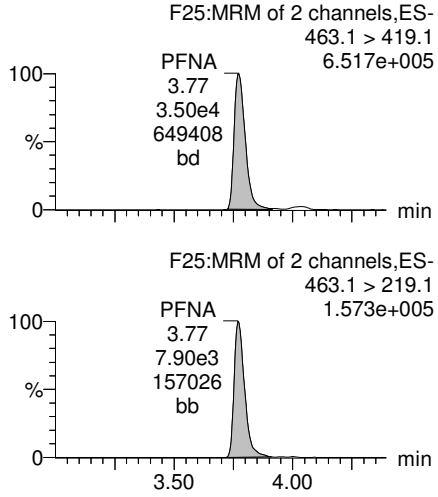
Total PFHxS



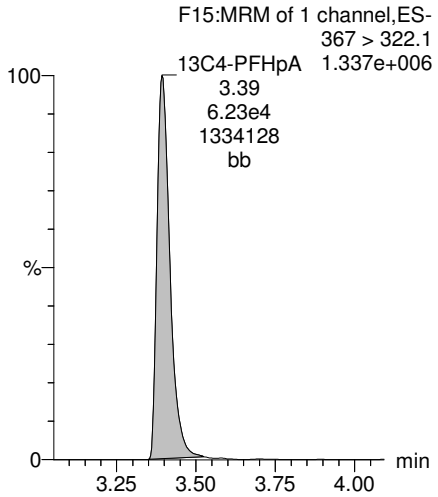
Total PFOA



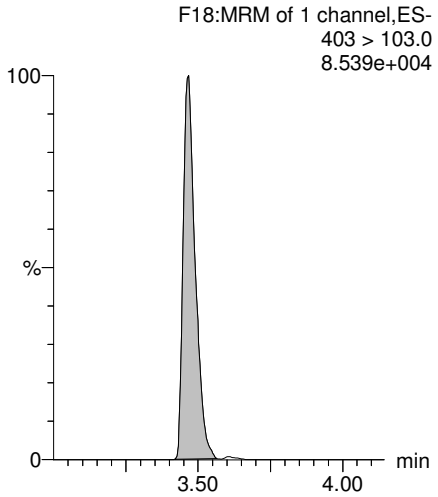
PFNA



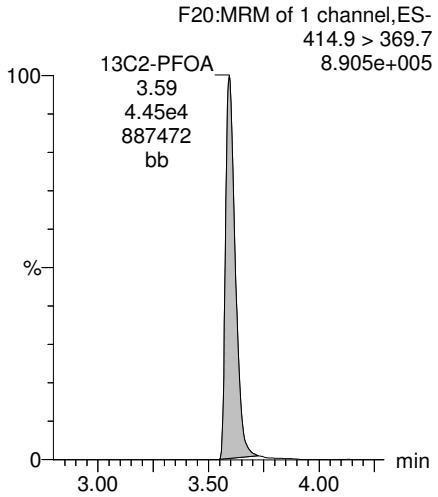
13C4-PFHpA



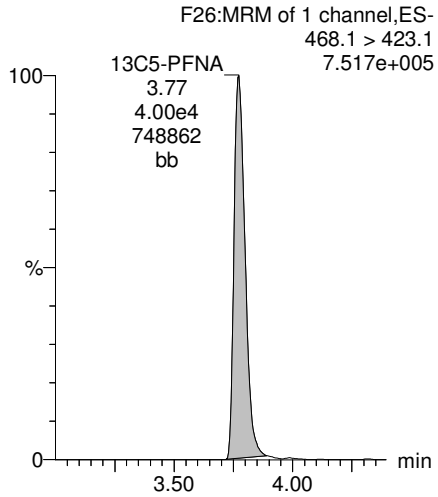
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/24/17

Vista Analytical Laboratory

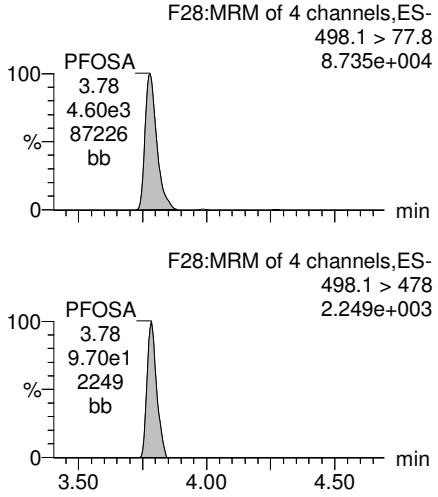
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-15.qld

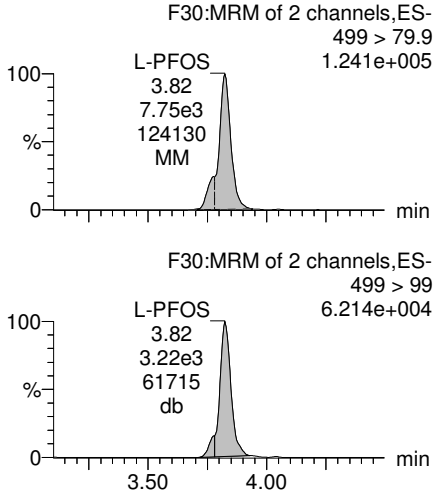
Last Altered: Wednesday, October 18, 2017 14:39:28 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:15:27 Pacific Daylight Time

Name: 171016M4_15, Date: 16-Oct-2017, Time: 16:07:12, ID: B7J0071-BSD1 LCS Dup 0.125, Description: LCS Dup

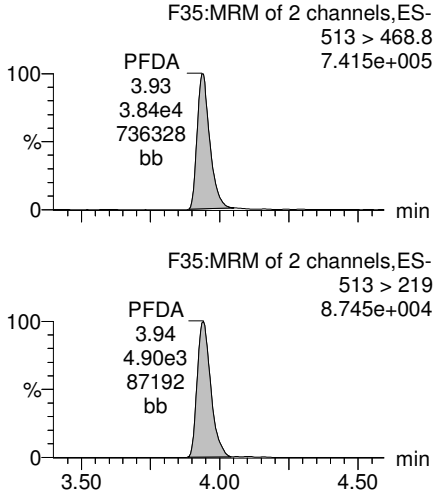
PFOSA



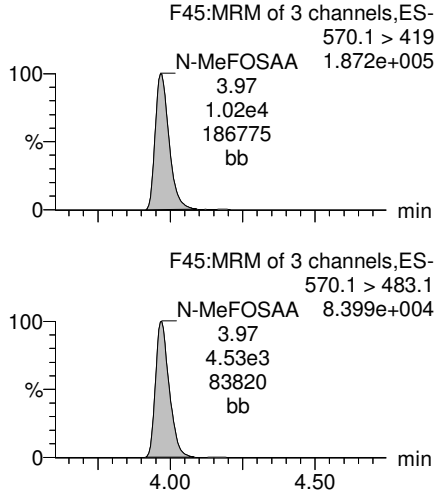
Total PFOS



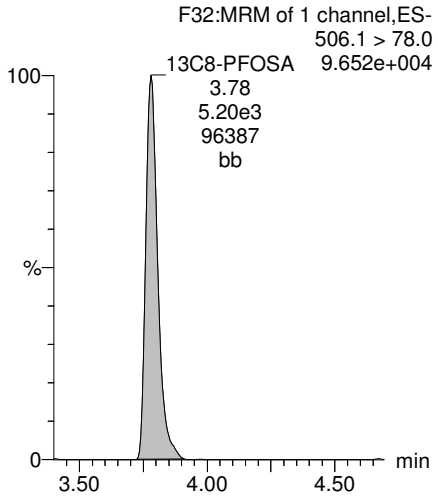
PFDA



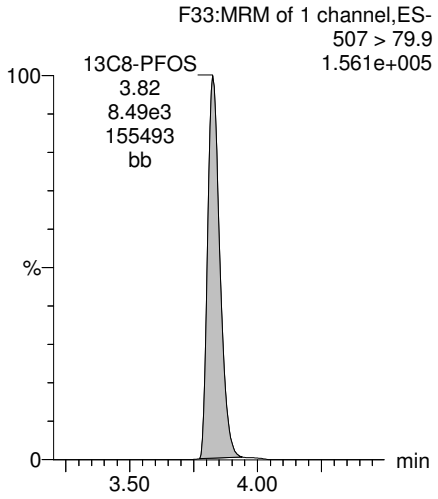
N-MeFOSAA



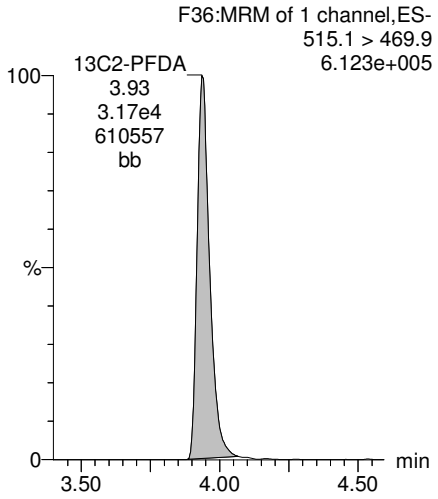
13C8-PFOSA



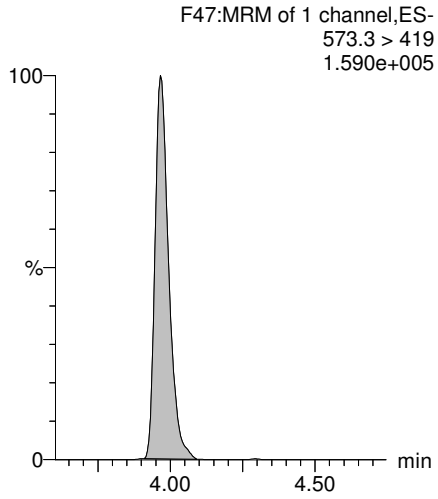
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/24/17

Vista Analytical Laboratory

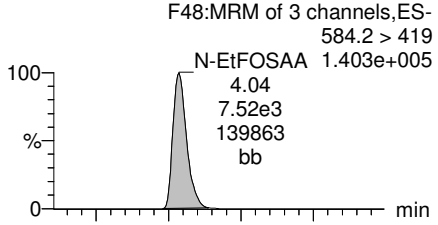
Rev'd: MM 10/30/17

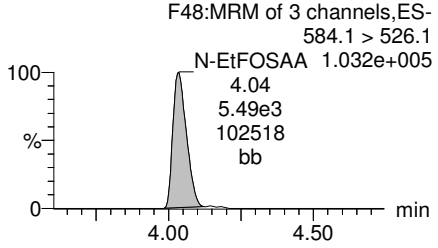
Dataset: U:\Q4.PRO\results\171016M4\171016M4-15.qld

Last Altered: Wednesday, October 18, 2017 14:39:28 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:15:27 Pacific Daylight Time

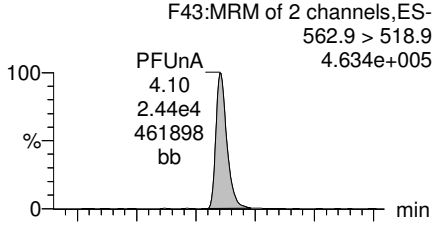
Name: 171016M4_15, Date: 16-Oct-2017, Time: 16:07:12, ID: B7J0071-BSD1 LCS Dup 0.125, Description: LCS Dup

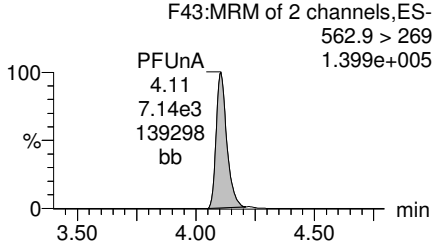
N-EtFOSAA



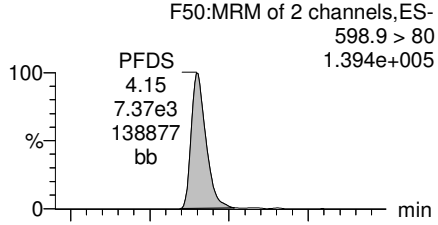


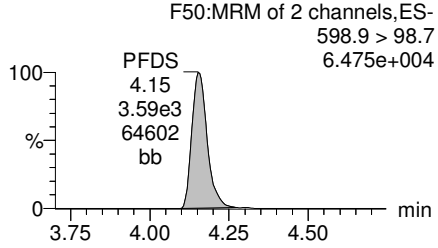
PFUnA



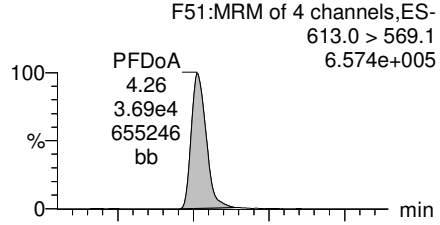


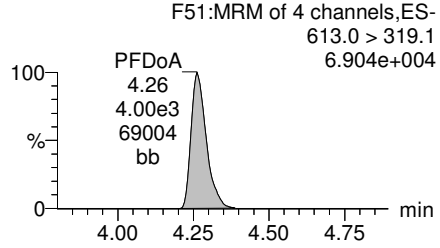
PFDS



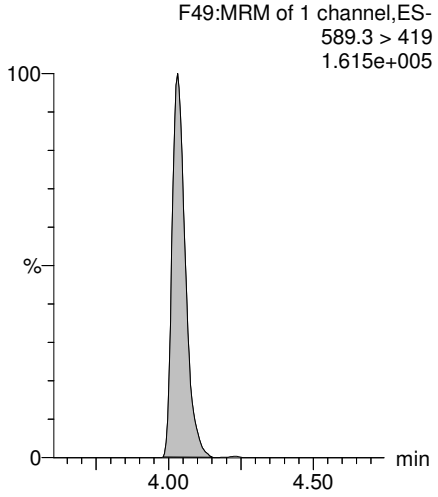


PFDoA

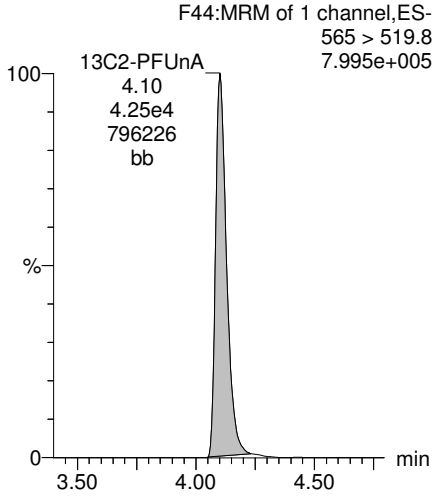




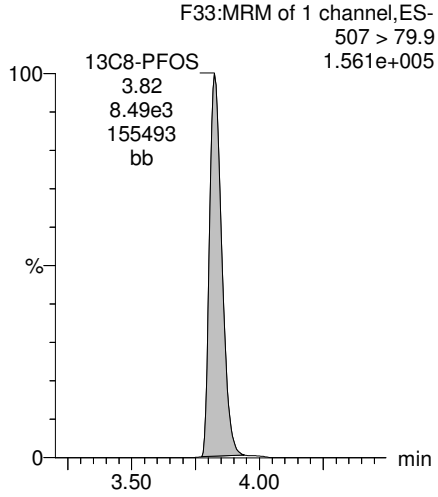
d5-N-EtFOSAA



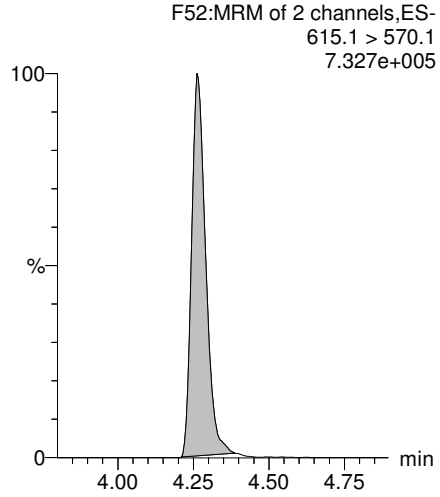
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



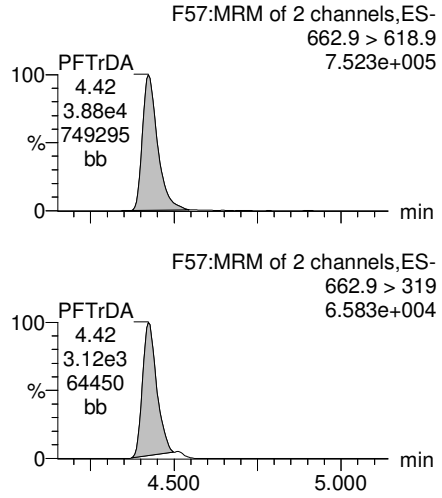
AC 10/24/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-15.qld

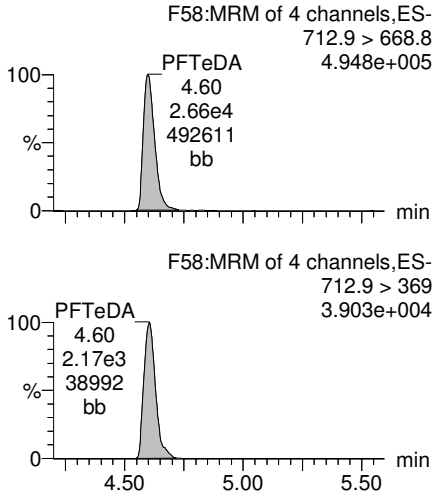
Last Altered: Wednesday, October 18, 2017 14:39:28 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:15:27 Pacific Daylight Time

Name: 171016M4_15, Date: 16-Oct-2017, Time: 16:07:12, ID: B7J0071-BSD1 LCS Dup 0.125, Description: LCS Dup

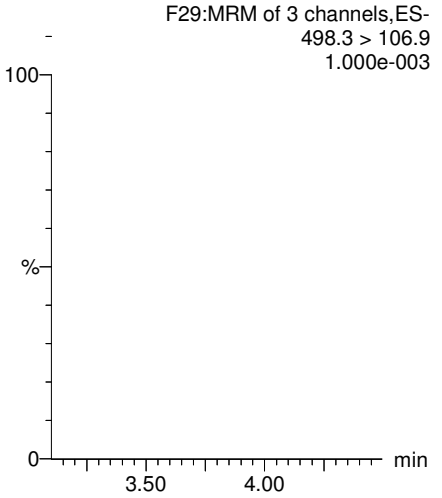
PFTrDA



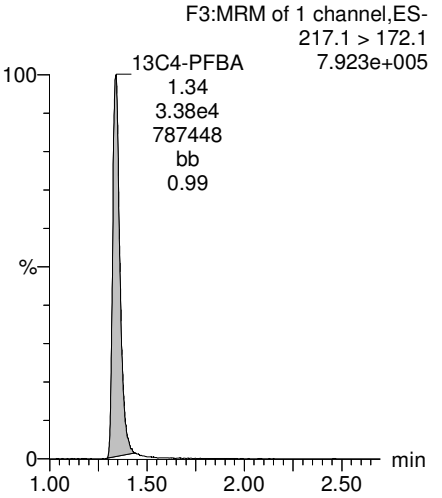
PFTeDA



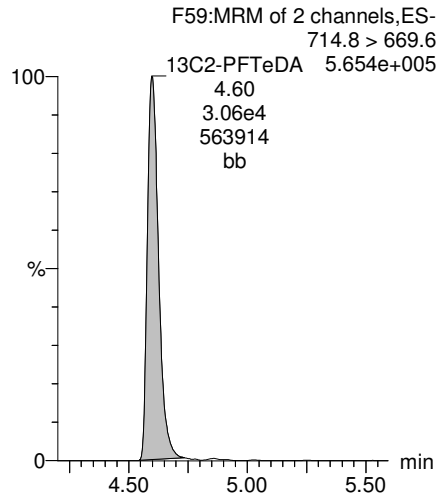
TCDA



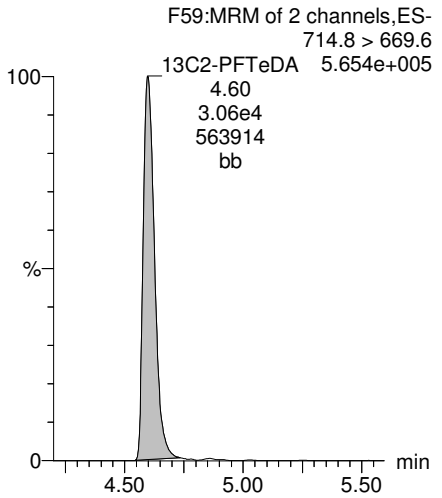
13C4-PFBA



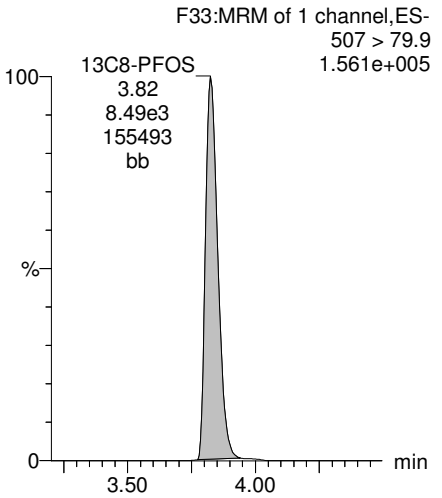
13C2-PFTeDA



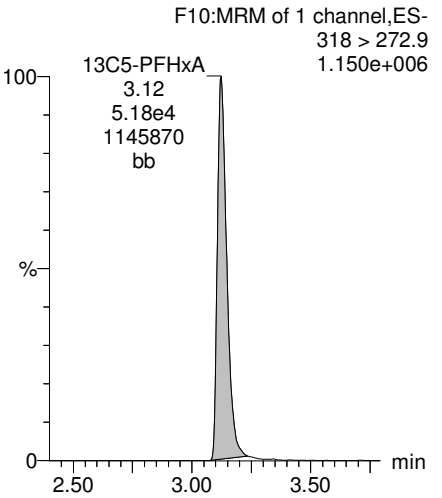
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

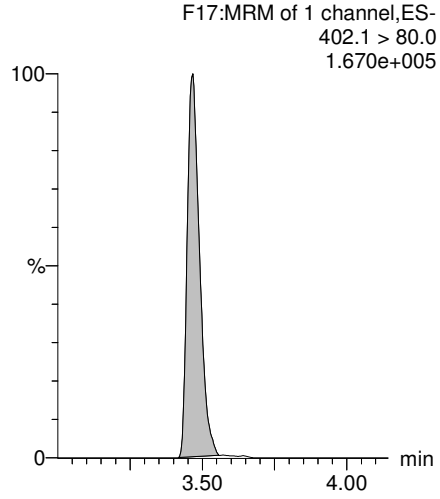
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-15.qld

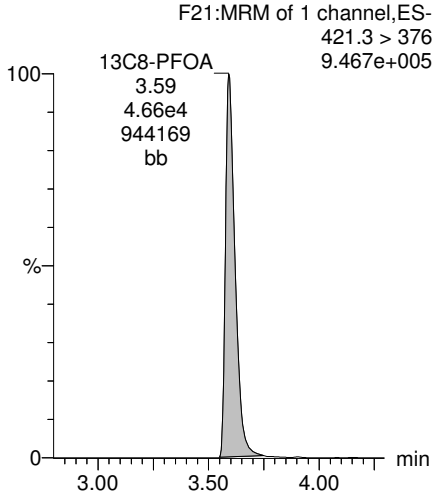
Last Altered: Wednesday, October 18, 2017 14:39:28 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:15:27 Pacific Daylight Time

Name: 171016M4_15, Date: 16-Oct-2017, Time: 16:07:12, ID: B7J0071-BSD1 LCS Dup 0.125, Description: LCS Dup

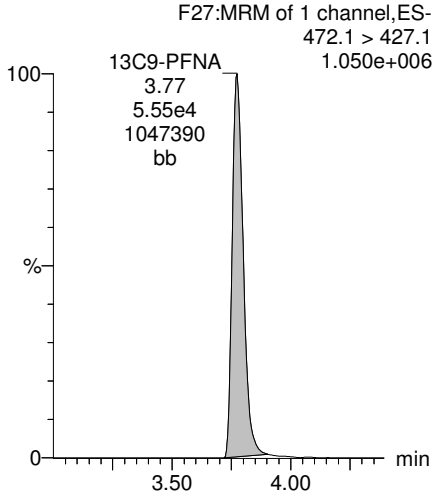
13C3-PFHxS



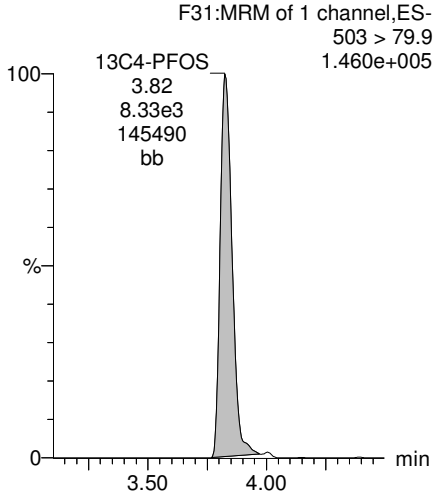
13C8-PFOA



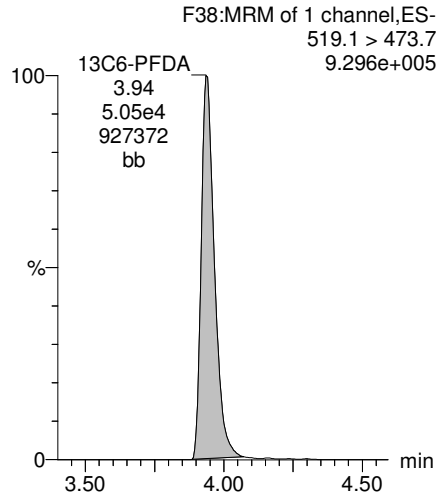
13C9-PFNA



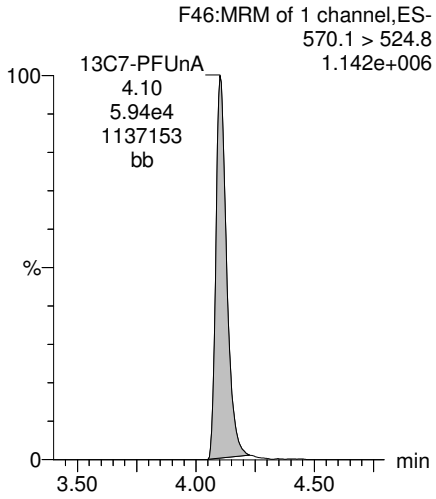
13C4-PFOS



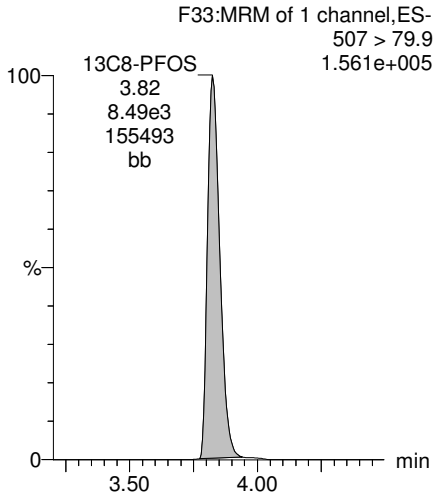
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-22.qld

Last Altered: Friday, October 27, 2017 13:08:18 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:09:01 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 11:45:01
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_22, Date: 26-Oct-2017, Time: 13:10:47, ID: B7J0092-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.0 > 168.8		6.75e3	0.125		1.32				
2	2	PFPeA	263.1 > 218.9		7.35e3	0.125		2.31				
3	3	PFBS	299.0 > 79.7		1.02e3	0.125		2.59				
4	4	PFHxA	313.2 > 268.9		3.04e3	0.125		3.08				
5	5	PFHpA	363.0 > 318.9		6.97e3	0.125		3.70				
6	6	L-PFHxS	398.9 > 79.6	4.23e0	8.55e2	0.125		3.86	3.76	0.0619	0.849	
7	9	L-PFOA	413 > 368.7	2.11e2	1.05e4	0.125		4.23	4.15	0.252		
8	12	PFNA	463.0 > 418.8		9.67e3	0.125		4.67				
9	13	PFOSA	498.1 > 77.8		2.01e3	0.125		4.72				
10	14	L-PFOS	499 > 79.9		2.53e3	0.125		4.76				
11	16	PFDA	513 > 468.8		9.48e3	0.125		5.05				
12	18	N-MeFOSAA	570.1 > 419		3.51e3	0.125		5.21				
13	19	N-EtFOSAA	584.2 > 419		3.99e3	0.125		5.37				
14	20	PFUnA	563.0 > 518.9	4.71e1	1.12e4	0.125		5.38	5.30	0.0523	0.140	
15	21	PFDS	598.8 > 80		1.12e4	0.125		5.43				
16	22	PFDoA	612.9 > 569.0		1.08e4	0.125		5.67				
17	24	PFTrDA	662.9 > 618.9		1.08e4	0.125		5.92				

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-22.qld

Last Altered: Friday, October 27, 2017 13:08:18 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:09:15 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 11:45:01
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_22, Date: 26-Oct-2017, Time: 13:10:47, ID: B7J0092-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		8.97e3	0.125		6.13				
2	31	13C3-PFBA	216.1 > 171.8	6.75e3	8.09e3	0.125	0.928	1.33	1.23	10.4	89.9	89.9
3	32	13C3-PFPeA	266. > 221.8	7.35e3	1.17e4	0.125	0.757	2.31	2.21	7.83	82.8	82.8
4	33	13C3-PFBS	302. > 98.8	1.02e3	1.17e4	0.125	0.091	2.59	2.50	1.08	95.4	95.4
5	34	13C2-PFHxA	315 > 269.8	3.04e3	1.17e4	0.125	0.739	3.08	2.99	3.23	35.0	87.5
6	35	13C4-PFHpA	367.2 > 321.8	6.97e3	1.17e4	0.125	0.684	3.70	3.62	7.43	86.9	86.9
7	36	18O2-PFHxS	403.0 > 102.6	8.55e2	2.31e3	0.125	0.412	3.85	3.78	4.63	89.9	89.9
8	37	13C2-6:2 FTS	429.1 > 408.9	2.40e3	1.13e4	0.125	0.248	4.18	4.09	2.65	85.4	85.4
9	38	13C2-PFOA	414.9 > 369.7	1.05e4	1.13e4	0.125	1.120	4.23	4.15	11.5	82.4	82.4
10	39	13C5-PFNA	468.2 > 422.9	9.67e3	1.25e4	0.125	0.929	4.67	4.59	9.68	83.4	83.4
11	40	13C8-PFOSA	506.1 > 77.7	2.01e3	1.52e4	0.125	0.246	4.72	4.64	1.65	53.6	53.6
12	41	13C8-PFOS	507.0 > 79.9	2.53e3	2.41e3	0.125	1.027	4.76	4.68	13.1	102	102.2
13	42	13C2-PFDA	515.1 > 469.9	9.48e3	1.38e4	0.125	0.946	5.05	4.98	8.59	72.7	72.7
14	43	13C2-8:2 FTS	529.1 > 508.7	2.05e3	1.38e4	0.125	0.171	5.03	4.95	1.86	86.8	86.8
15	44	d3-N-MeFOSAA	573.3 > 419	3.51e3	1.52e4	0.125	0.358	5.20	5.13	2.88	64.4	64.4
16	45	d5-N-EtFOSAA	589.3 > 419	3.99e3	1.52e4	0.125	0.360	5.36	5.28	3.28	73.0	73.0
17	46	13C2-PFUdA	565 > 519.8	1.12e4	1.52e4	0.125	1.045	5.38	5.31	9.24	70.7	70.7
18	47	13C2-PFDoA	615.0 > 569.7	1.08e4	1.52e4	0.125	1.141	5.67	5.60	8.84	62.0	62.0
19	49	13C2-PFTeDA	714.8 > 669.6	8.97e3	1.52e4	0.125	0.934	6.13	6.07	7.37	63.1	63.1
20	54	13C4-PFBA	217. > 171.8	8.09e3	8.09e3	0.125	1.000	1.33	1.23	12.5	100	100.0
21	55	13C5-PFHxA	318 > 272.9	1.17e4	1.17e4	0.125	1.000	3.08	2.99	12.5	100	100.0
22	56	13C3-PFHxS	401.9 > 79.9	2.31e3	2.31e3	0.125	1.000	3.85	3.77	12.5	100	100.0
23	57	13C8-PFOA	421.3 > 376	1.13e4	1.13e4	0.125	1.000	4.23	4.15	12.5	100	100.0
24	58	13C9-PFNA	472.2 > 426.9	1.25e4	1.25e4	0.125	1.000	4.67	4.59	12.5	100	100.0
25	59	13C4-PFOS	503 > 79.9	2.41e3	2.41e3	0.125	1.000	4.76	4.68	12.5	100	100.0
26	60	13C6-PFDA	519.1 > 473.7	1.38e4	1.38e4	0.125	1.000	5.05	4.97	12.5	100	100.0
27	61	13C7-PFUnA	570.1 > 524.8	1.52e4	1.52e4	0.125	1.000	5.38	5.31	12.5	100	100.0
28	62	Total PFHxS	398.9 > 79.6		8.55e2						0.849	
29	63	Total PFOA	413 > 368.7	2.11e2	1.05e4	0.125		4.23		0.000		
30	64	Total PFOS	499 > 79.9	0.00e0	2.53e3	0.125		4.67		0.000		
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	3.51e3	0.125		5.21		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	3.99e3	0.125		5.37		0.000		

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

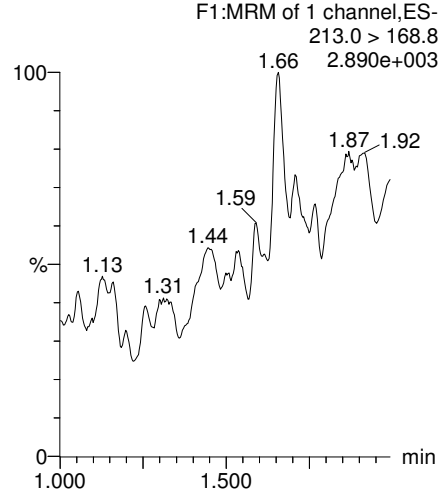
Dataset: U:\Q4.PRO\results\171026M1\171026M1-22.qld

Last Altered: Friday, October 27, 2017 13:08:18 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:09:15 Pacific Daylight Time

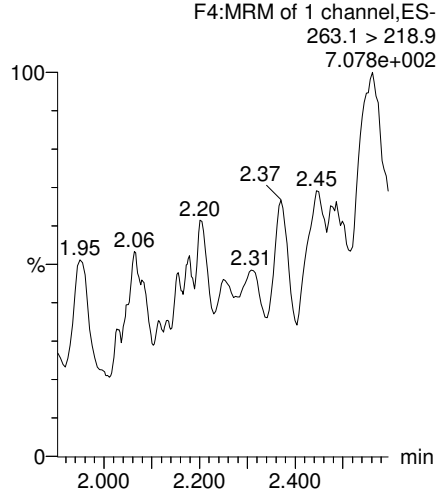
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 11:45:01
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_22, Date: 26-Oct-2017, Time: 13:10:47, ID: B7J0092-BLK1 Method Blank 0.125, Description: Method Blank

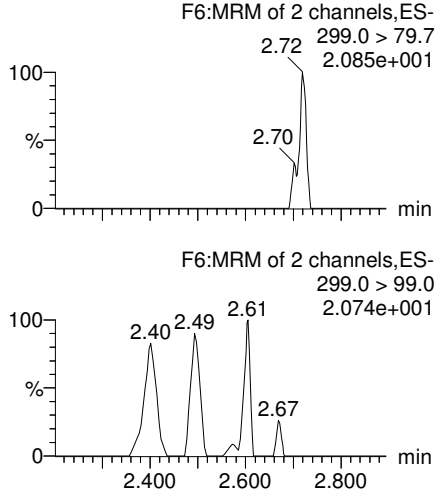
PFBA



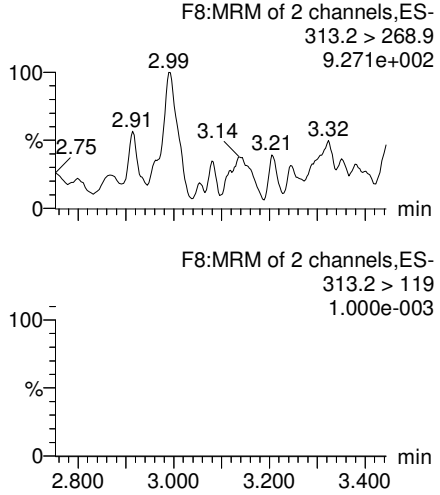
PFPeA



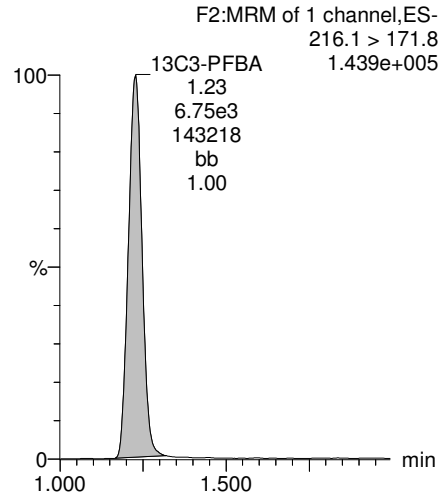
PFBS



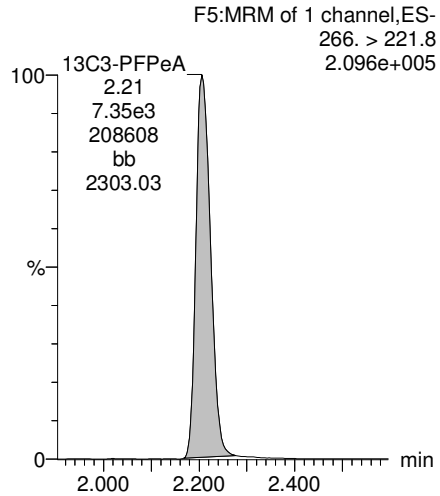
PFHxA



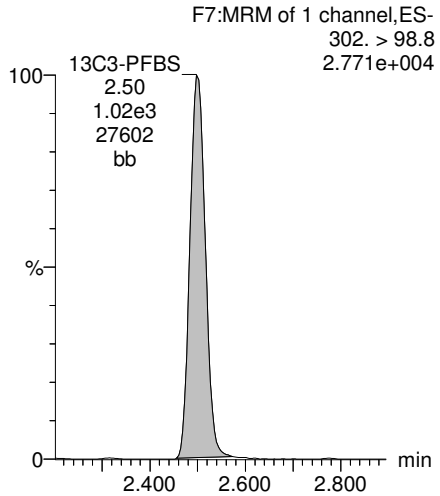
13C3-PFBA



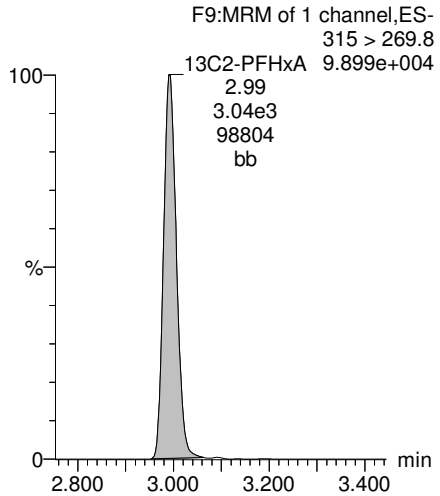
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



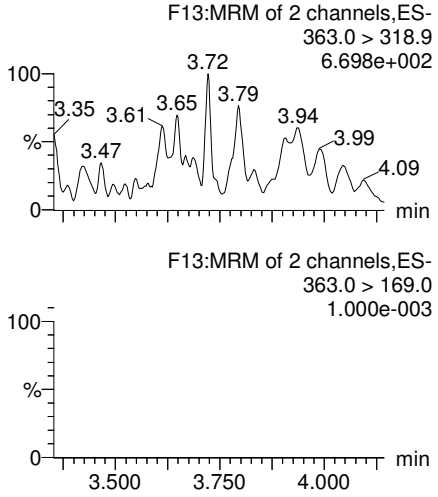
AC 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-22.qld

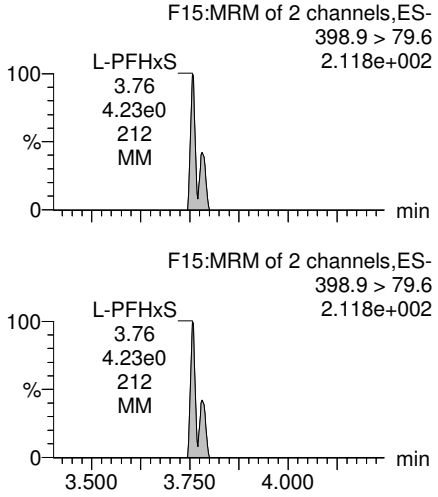
Last Altered: Friday, October 27, 2017 13:08:18 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:09:15 Pacific Daylight Time

Name: 171026M1_22, Date: 26-Oct-2017, Time: 13:10:47, ID: B7J0092-BLK1 Method Blank 0.125, Description: Method Blank

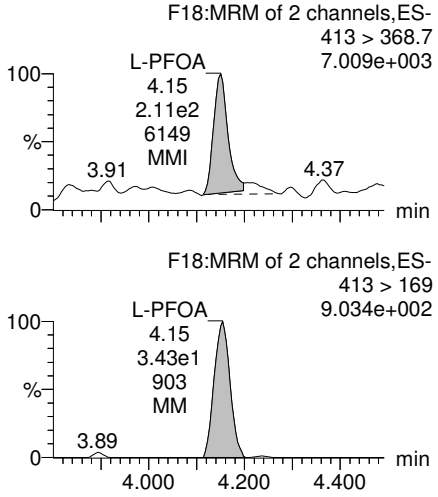
PFHpA



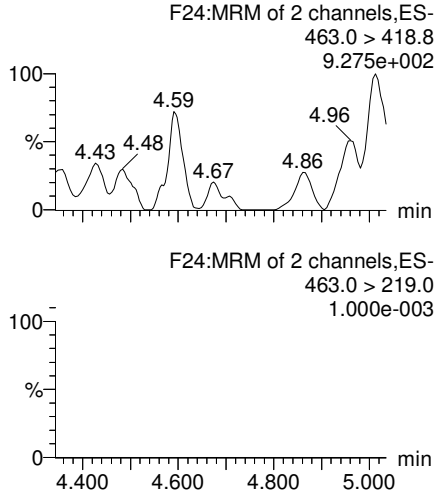
Total PFHxS



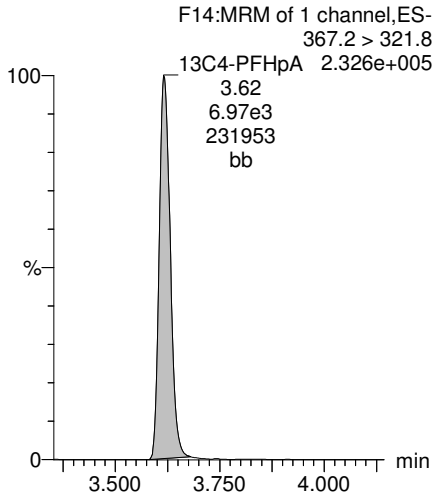
Total PFOA



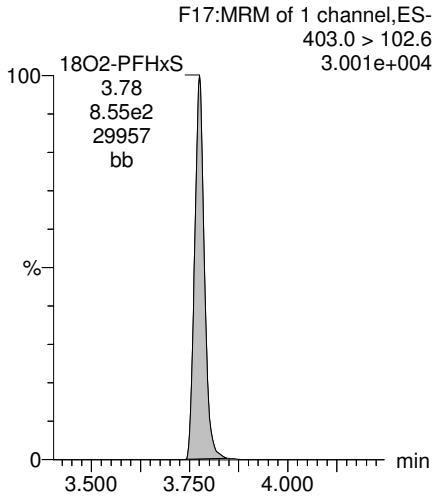
PFNA



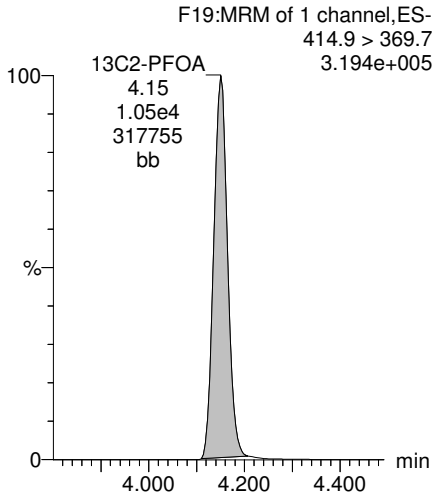
13C4-PFHpA



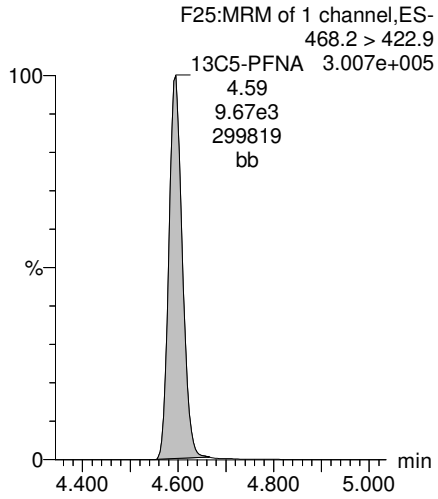
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/27/17

Vista Analytical Laboratory

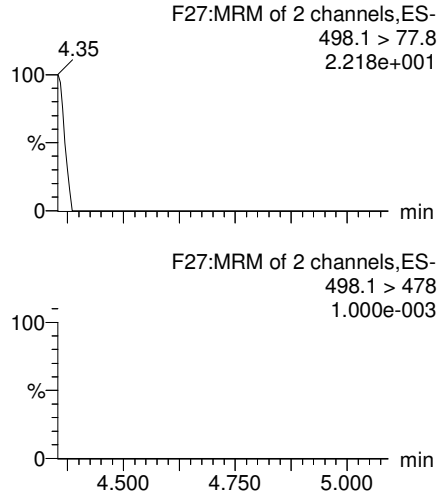
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-22.qld

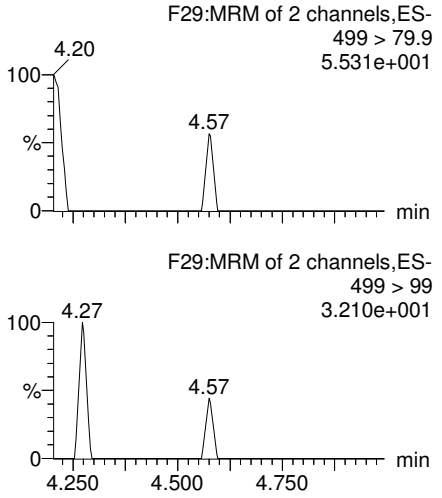
Last Altered: Friday, October 27, 2017 13:08:18 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:09:15 Pacific Daylight Time

Name: 171026M1_22, Date: 26-Oct-2017, Time: 13:10:47, ID: B7J0092-BLK1 Method Blank 0.125, Description: Method Blank

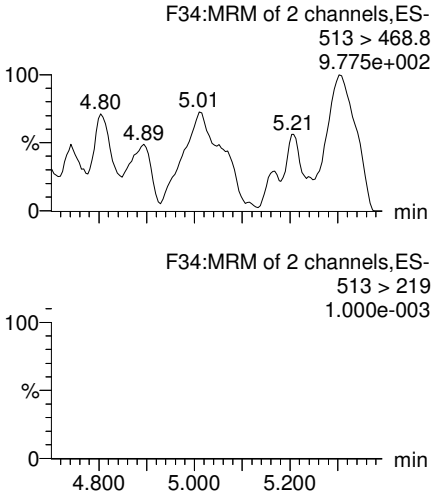
PFOSA



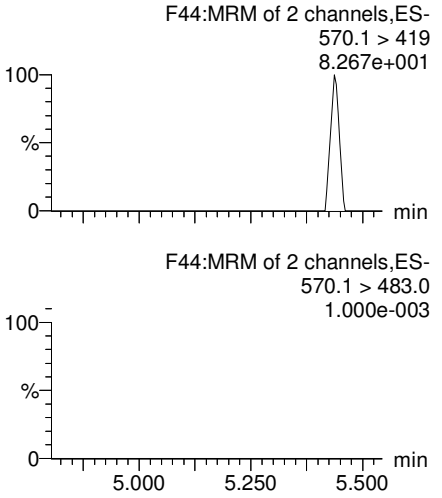
Total PFOS



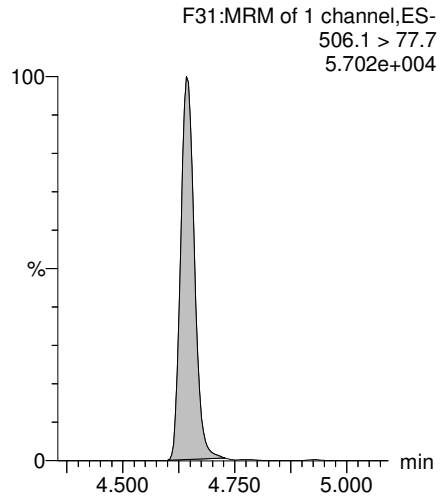
PFDA



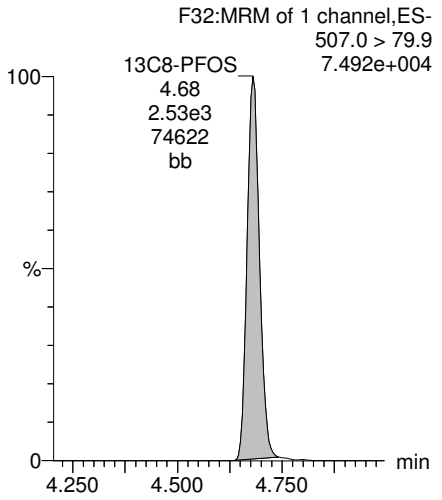
N-MeFOSAA



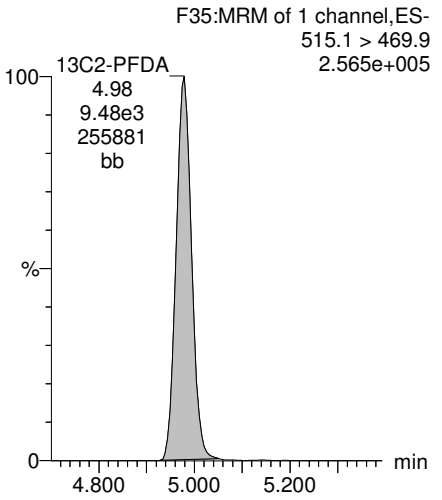
13C8-PFOSA



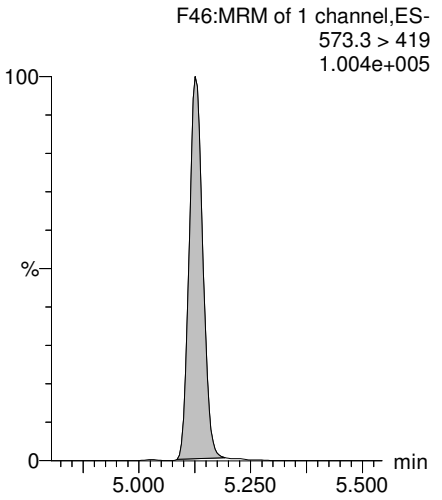
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/27/17

Vista Analytical Laboratory

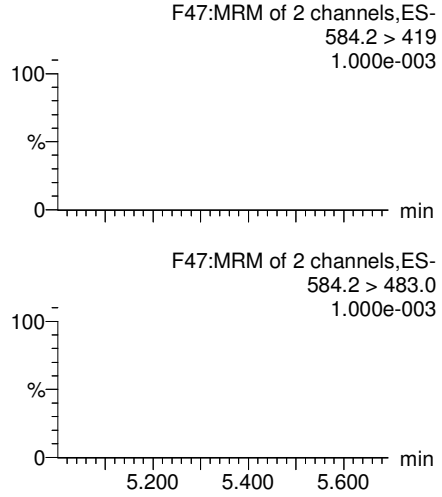
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-22.qld

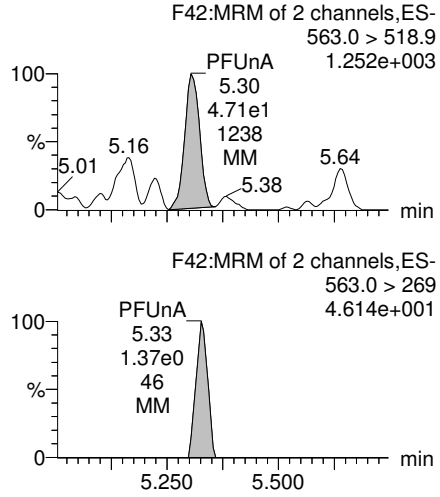
Last Altered: Friday, October 27, 2017 13:08:18 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:09:15 Pacific Daylight Time

Name: 171026M1_22, Date: 26-Oct-2017, Time: 13:10:47, ID: B7J0092-BLK1 Method Blank 0.125, Description: Method Blank

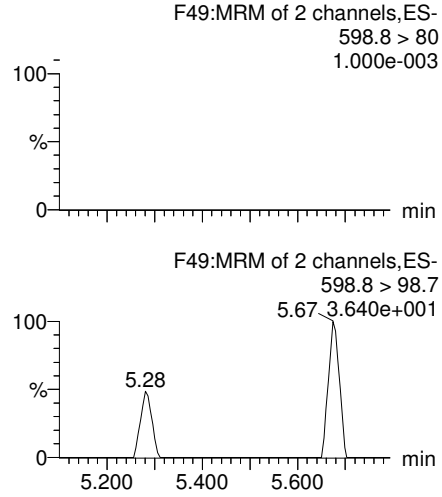
N-EtFOSAA



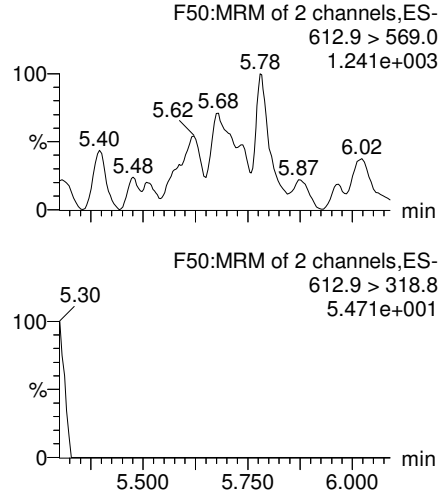
PFUnA



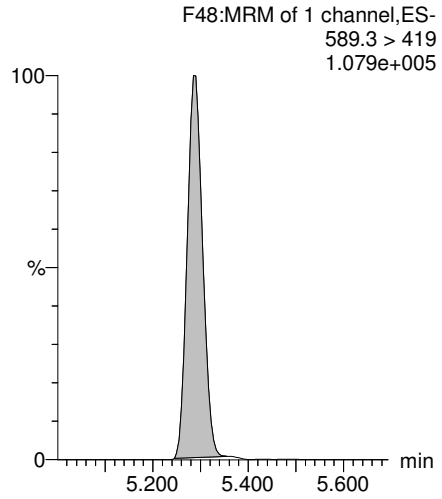
PFDS



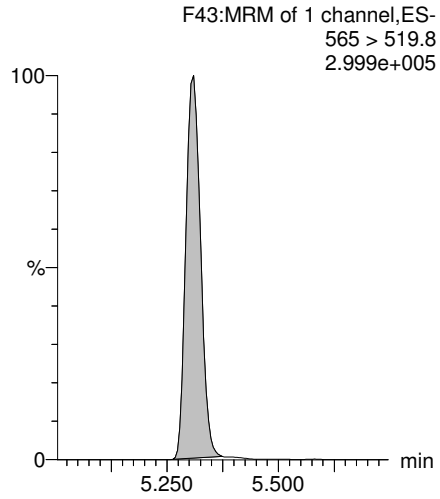
PFDoA



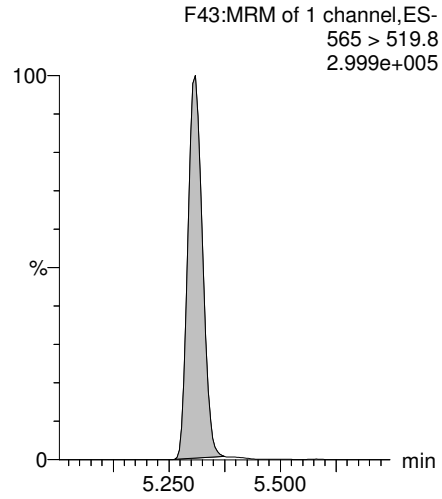
d5-N-EtFOSAA



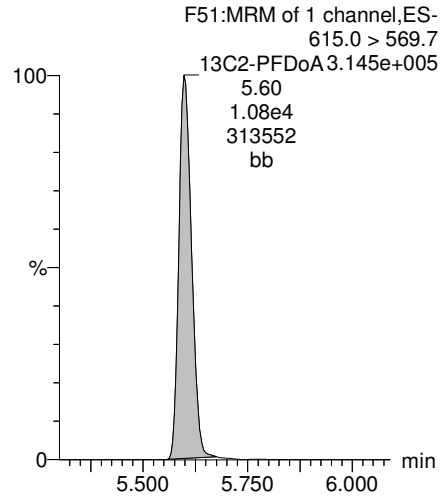
13C2-PFUdA



13C2-PFUdA



13C2-PFDoA



AC 10/27/17

Vista Analytical Laboratory

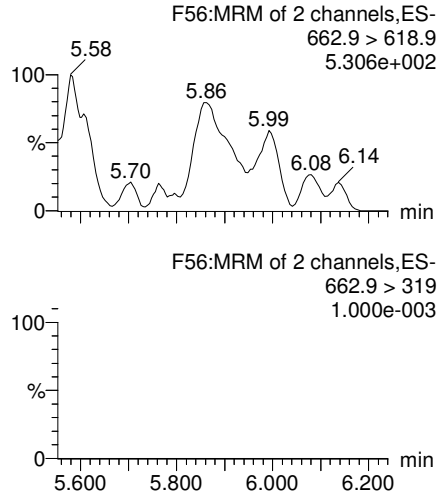
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-22.qld

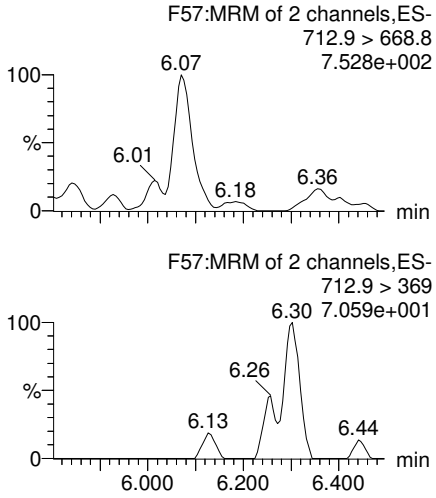
Last Altered: Friday, October 27, 2017 13:08:18 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:09:15 Pacific Daylight Time

Name: 171026M1_22, Date: 26-Oct-2017, Time: 13:10:47, ID: B7J0092-BLK1 Method Blank 0.125, Description: Method Blank

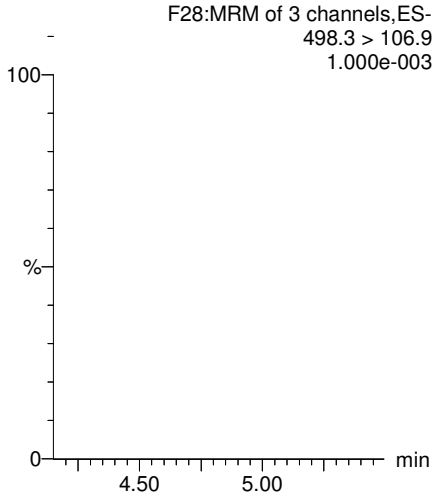
PFTrDA



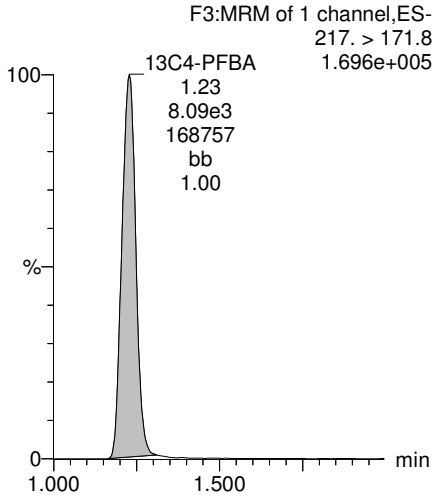
PFTeDA



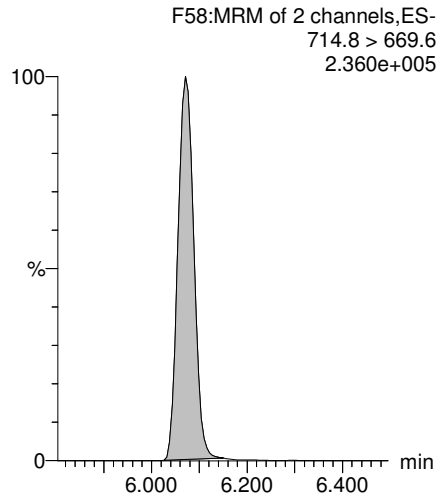
TCDA



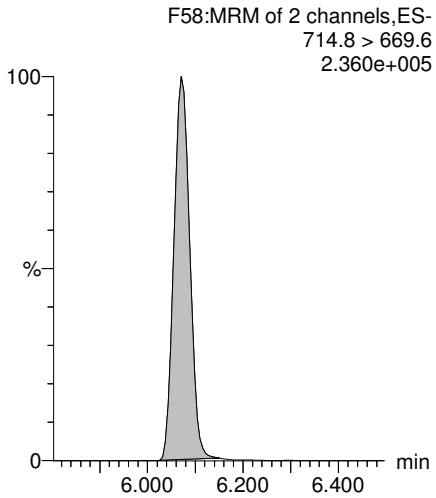
13C4-PFBA



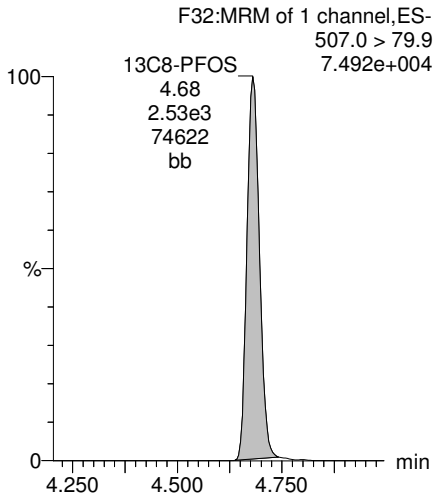
13C2-PFTeDA



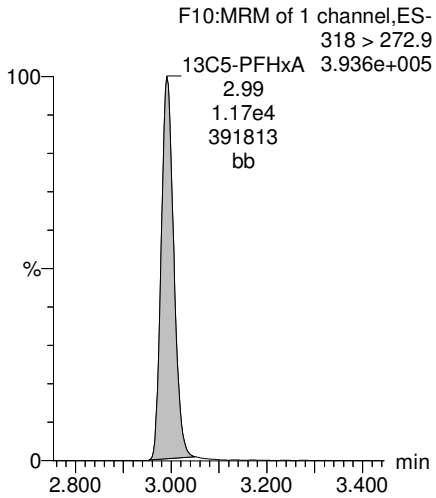
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



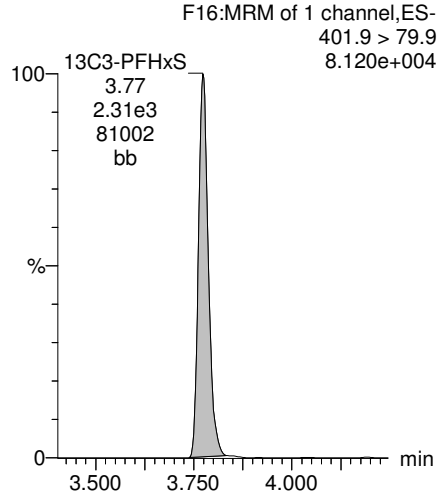
AC 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-22.qld

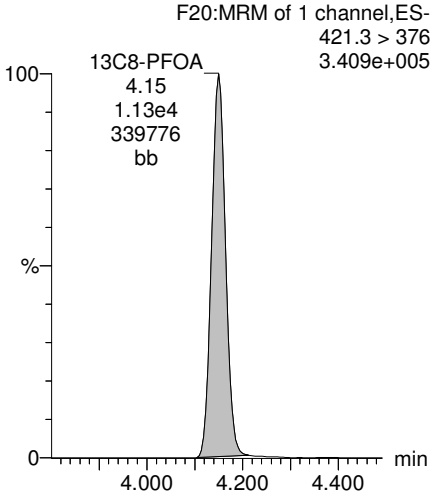
Last Altered: Friday, October 27, 2017 13:08:18 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:09:15 Pacific Daylight Time

Name: 171026M1_22, Date: 26-Oct-2017, Time: 13:10:47, ID: B7J0092-BLK1 Method Blank 0.125, Description: Method Blank

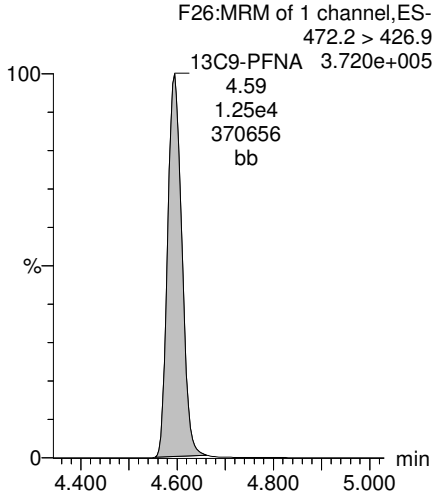
13C3-PFHxS



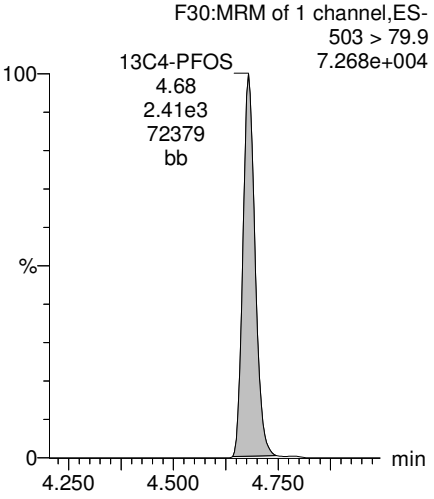
13C8-PFOA



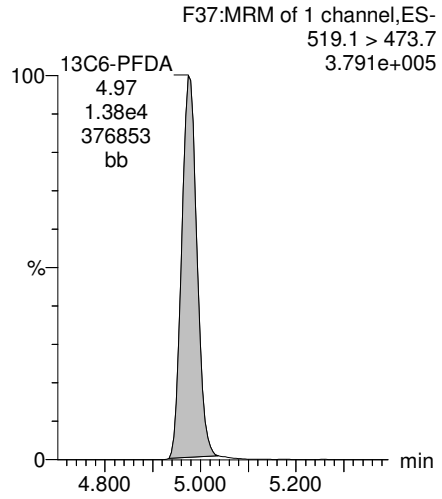
13C9-PFNA



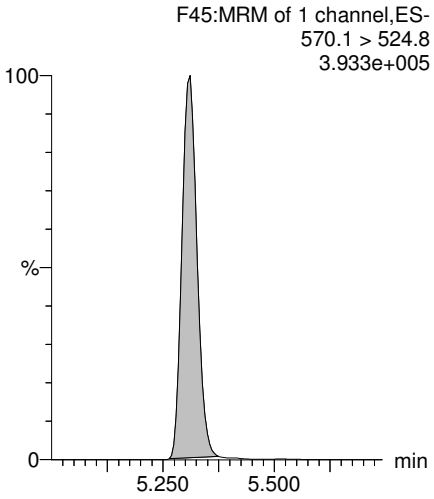
13C4-PFOS



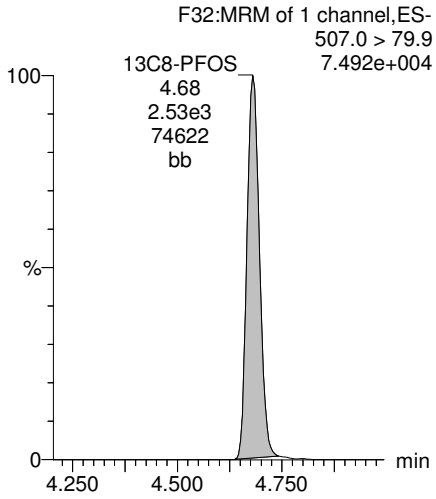
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-16.qld

Last Altered: Friday, October 27, 2017 12:58:27 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:05:00 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 11:45:01
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_16, Date: 26-Oct-2017, Time: 12:03:33, ID: B7J0092-BS1 OPR 0.125, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.0 > 168.8	6.57e3	7.51e3	0.125		1.32	1.23	10.9	69.9	87.3
2	2	PFPeA	263.1 > 218.9	6.52e3	8.00e3	0.125		2.31	2.21	10.2	70.7	88.3
3	3	PFBS	299.0 > 79.7	1.72e3	9.89e2	0.125		2.59	2.51	21.7	71.4	89.2
4	4	PFHxA	313.2 > 268.9	1.01e4	3.27e3	0.125		3.08	3.00	15.5	74.1	92.7
5	5	PFHpA	363.0 > 318.9	8.27e3	7.73e3	0.125		3.70	3.62	13.4	70.8	88.5
6	6	L-PFHxS	398.9 > 79.6	1.46e3	8.12e2	0.125		3.86	3.78	22.5	74.3	92.9
7	9	L-PFOA	413 > 368.7	8.48e3	1.09e4	0.125		4.23	4.15	9.69	66.7	83.4
8	12	PFNA	463.0 > 418.8	9.89e3	9.79e3	0.125		4.67	4.59	12.6	69.6	87.1
9	13	PFOSA	498.1 > 77.8	1.50e3	2.15e3	0.125		4.72	4.64	8.70	59.6	74.6
10	14	L-PFOS	499 > 79.9	1.95e3	2.79e3	0.125		4.76	4.68	8.73	60.6	75.7
11	16	PFDA	513 > 468.8	1.03e4	9.27e3	0.125		5.05	4.98	13.8	81.8	102.2
12	18	N-MeFOSAA	570.1 > 419	3.52e3	3.11e3	0.125		5.21	5.13	14.2	71.5	89.4
13	19	N-EtFOSAA	584.2 > 419	2.66e3	3.36e3	0.125		5.37	5.29	9.87	62.2	77.8
14	20	PFUnA	563.0 > 518.9	8.48e3	1.05e4	0.125		5.38	5.31	10.1	70.7	88.3
15	21	PFDS	598.8 > 80	2.05e3	1.05e4	0.125		5.43	5.36	2.44	99.7	124.6
16	22	PFDoA	612.9 > 569.0	1.12e4	1.15e4	0.125		5.67	5.60	12.2	76.6	95.7
17	24	PFTrDA	662.9 > 618.9	1.41e4	1.15e4	0.125		5.92	5.86	15.4	91.7	114.6

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-16.qld

Last Altered: Friday, October 27, 2017 12:58:27 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:12:38 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 11:45:01
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_16, Date: 26-Oct-2017, Time: 12:03:33, ID: B7J0092-BS1 OPR 0.125, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8	1.25e4	1.30e4	0.125		6.13	6.07	12.1	58.2	72.8
2	31	13C3-PFBA	216.1 > 171.8	7.51e3	9.00e3	0.125	0.928	1.33	1.23	10.4	89.9	89.9
3	32	13C3-PFPeA	266. > 221.8	8.00e3	1.33e4	0.125	0.757	2.31	2.21	7.50	79.3	79.3
4	33	13C3-PFBS	302. > 98.8	9.89e2	1.33e4	0.125	0.091	2.59	2.50	0.928	81.8	81.8
5	34	13C2-PFHxA	315 > 269.8	3.27e3	1.33e4	0.125	0.739	3.08	3.00	3.07	33.2	83.1
6	35	13C4-PFHpA	367.2 > 321.8	7.73e3	1.33e4	0.125	0.684	3.70	3.62	7.25	84.8	84.8
7	36	18O2-PFHxS	403.0 > 102.6	8.12e2	2.39e3	0.125	0.412	3.85	3.78	4.25	82.4	82.4
8	37	13C2-6:2 FTS	429.1 > 408.9	2.57e3	1.18e4	0.125	0.248	4.18	4.10	2.71	87.6	87.6
9	38	13C2-PFOA	414.9 > 369.7	1.09e4	1.18e4	0.125	1.120	4.23	4.15	11.6	82.5	82.5
10	39	13C5-PFNA	468.2 > 422.9	9.79e3	1.29e4	0.125	0.929	4.67	4.59	9.49	81.7	81.7
11	40	13C8-PFOSA	506.1 > 77.7	2.15e3	1.51e4	0.125	0.246	4.72	4.65	1.78	57.8	57.8
12	41	13C8-PFOS	507.0 > 79.9	2.79e3	2.78e3	0.125	1.027	4.76	4.68	12.5	97.7	97.7
13	42	13C2-PFDA	515.1 > 469.9	9.27e3	1.43e4	0.125	0.946	5.05	4.98	8.12	68.7	68.7
14	43	13C2-8:2 FTS	529.1 > 508.7	2.36e3	1.43e4	0.125	0.171	5.03	4.95	2.07	96.6	96.6
15	44	d3-N-MeFOSAA	573.3 > 419	3.11e3	1.51e4	0.125	0.358	5.20	5.13	2.57	57.6	57.6
16	45	d5-N-EtFOSAA	589.3 > 419	3.36e3	1.51e4	0.125	0.360	5.36	5.29	2.78	61.9	61.9
17	46	13C2-PFUdA	565 > 519.8	1.05e4	1.51e4	0.125	1.045	5.38	5.31	8.68	66.4	66.4
18	47	13C2-PFDoA	615.0 > 569.7	1.15e4	1.51e4	0.125	1.141	5.67	5.60	9.50	66.6	66.6
19	49	13C2-PFTeDA	714.8 > 669.6	1.30e4	1.51e4	0.125	0.934	6.13	6.07	10.7	92.0	92.0
20	54	13C4-PFBA	217. > 171.8	9.00e3	9.00e3	0.125	1.000	1.33	1.23	12.5	100	100.0
21	55	13C5-PFHxA	318 > 272.9	1.33e4	1.33e4	0.125	1.000	3.08	2.99	12.5	100	100.0
22	56	13C3-PFHxS	401.9 > 79.9	2.39e3	2.39e3	0.125	1.000	3.85	3.78	12.5	100	100.0
23	57	13C8-PFOA	421.3 > 376	1.18e4	1.18e4	0.125	1.000	4.23	4.15	12.5	100	100.0
24	58	13C9-PFNA	472.2 > 426.9	1.29e4	1.29e4	0.125	1.000	4.67	4.59	12.5	100	100.0
25	59	13C4-PFOS	503 > 79.9	2.78e3	2.78e3	0.125	1.000	4.76	4.68	12.5	100	100.0
26	60	13C6-PFDA	519.1 > 473.7	1.43e4	1.43e4	0.125	1.000	5.05	4.98	12.5	100	100.0
27	61	13C7-PFUnA	570.1 > 524.8	1.51e4	1.51e4	0.125	1.000	5.38	5.31	12.5	100	100.0
28	62	Total PFHxS	398.9 > 79.6		8.12e2							
29	63	Total PFOA	413 > 368.7	8.48e3	1.09e4	0.125		4.23		9.69	66.7	
30	64	Total PFOS	499 > 79.9	1.95e3	2.79e3	0.125		4.67		8.73	60.6	
31	65	Total N-MeFOSAA	570.1 > 419	3.52e3	3.11e3	0.125		5.21		14.2	71.5	
32	66	Total N-EtFOSAA	584.2 > 419	2.66e3	3.36e3	0.125		5.37		9.87	62.2	

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/29/17

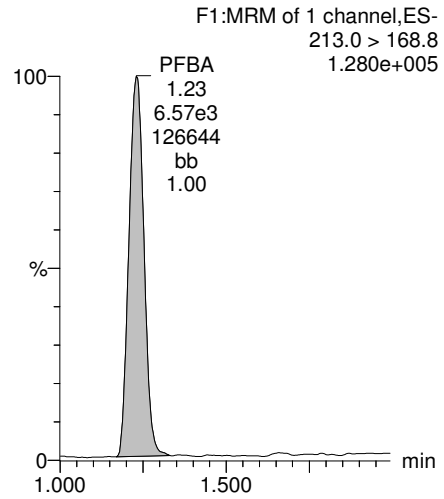
Dataset: U:\Q4.PRO\results\171026M1\171026M1-16.qld

Last Altered: Friday, October 27, 2017 12:58:27 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:05:00 Pacific Daylight Time

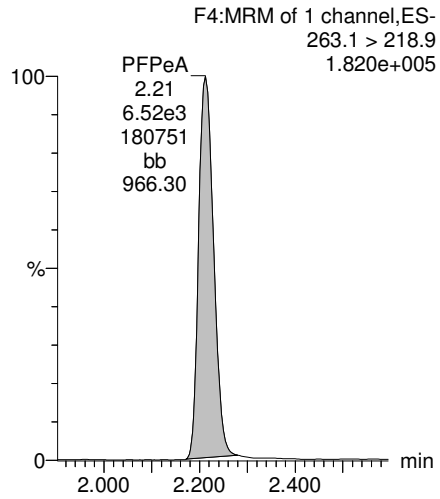
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 11:45:01
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_16, Date: 26-Oct-2017, Time: 12:03:33, ID: B7J0092-BS1 OPR 0.125, Description: OPR

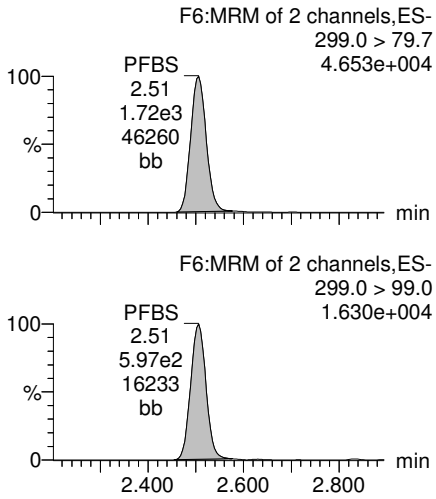
PFBA



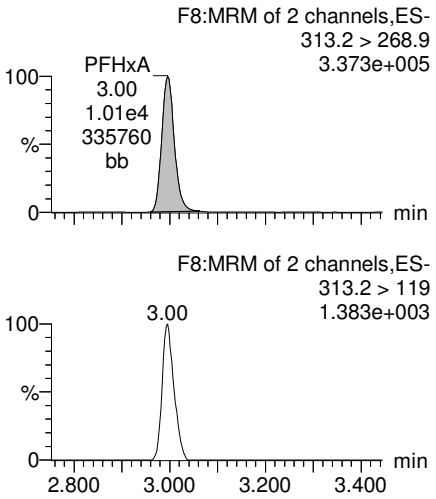
PFPeA



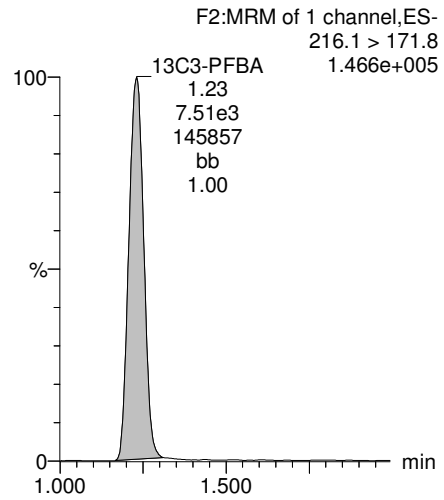
PFBS



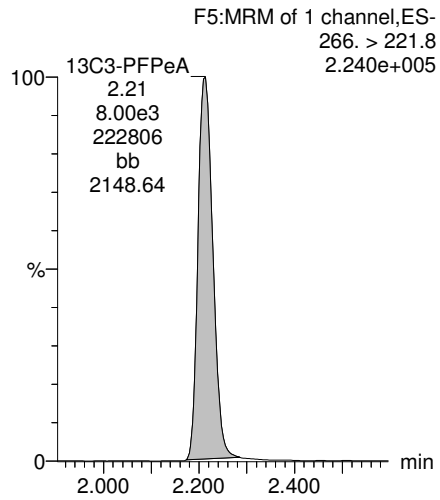
PFHxA



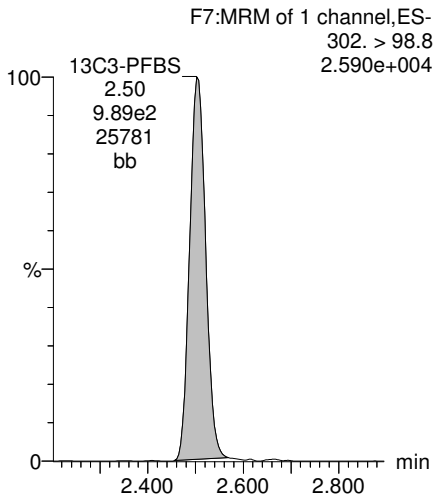
13C3-PFBA



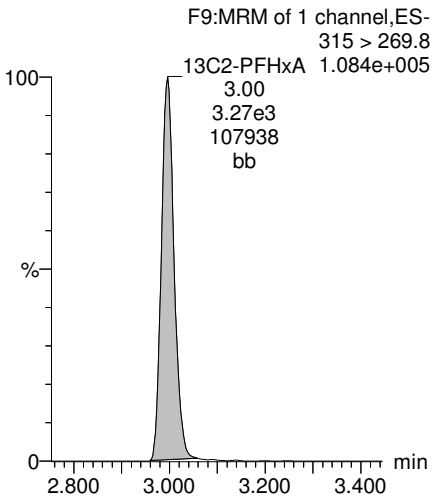
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/27/17

Vista Analytical Laboratory

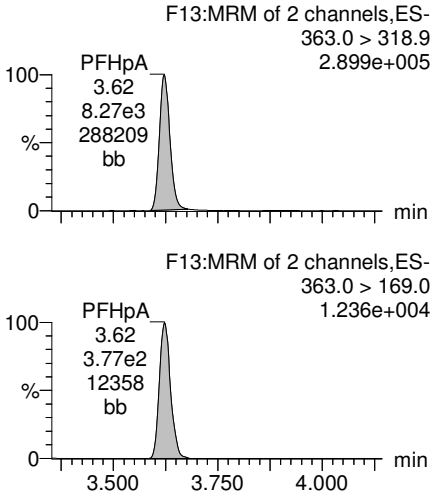
Rev'd: MM 10/29/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-16.qld

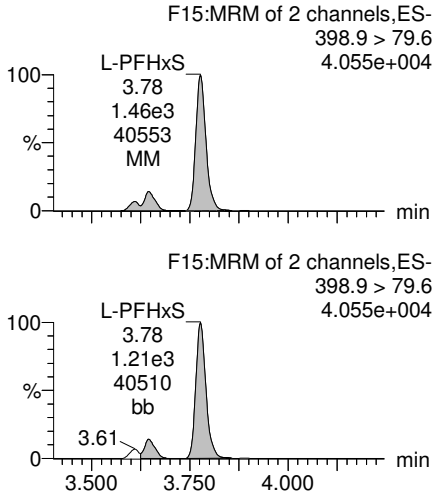
Last Altered: Friday, October 27, 2017 12:58:27 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:05:00 Pacific Daylight Time

Name: 171026M1_16, Date: 26-Oct-2017, Time: 12:03:33, ID: B7J0092-BS1 OPR 0.125, Description: OPR

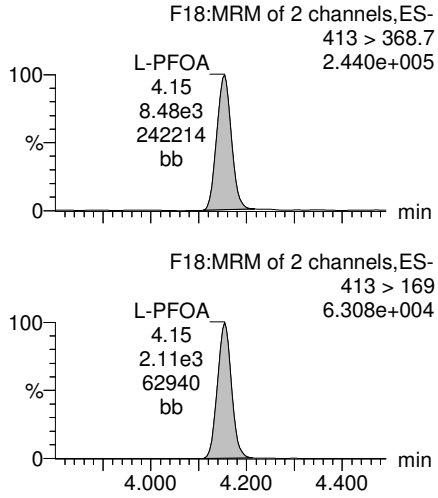
PFHpA



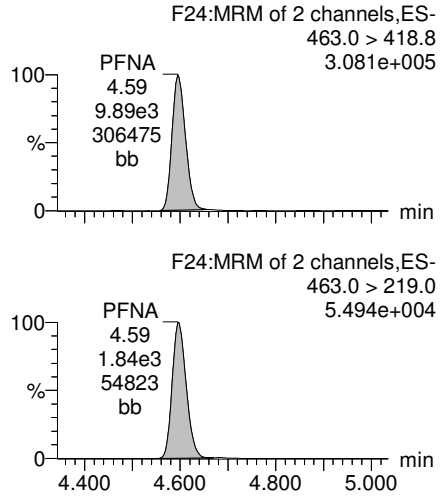
Total PFHxS



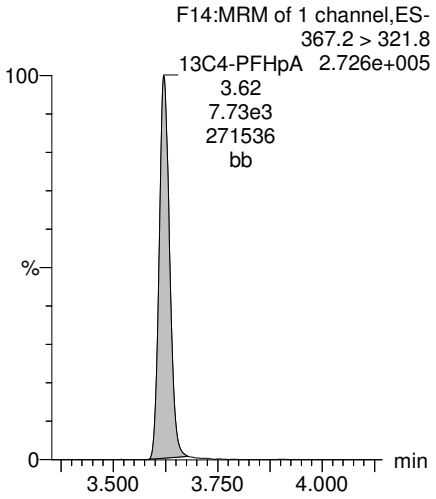
Total PFOA



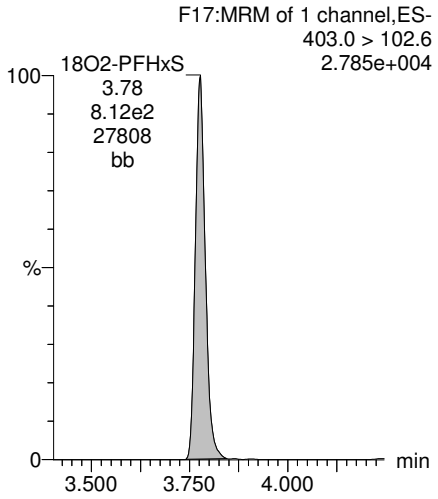
PFNA



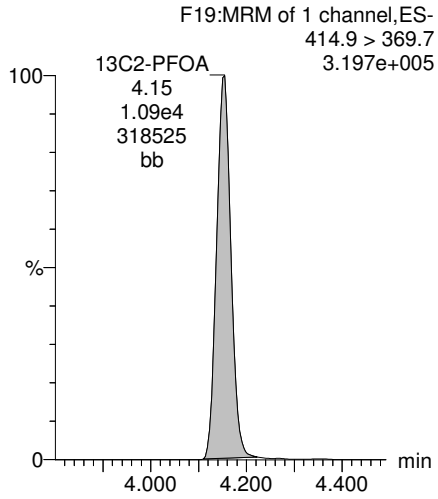
13C4-PFHpA



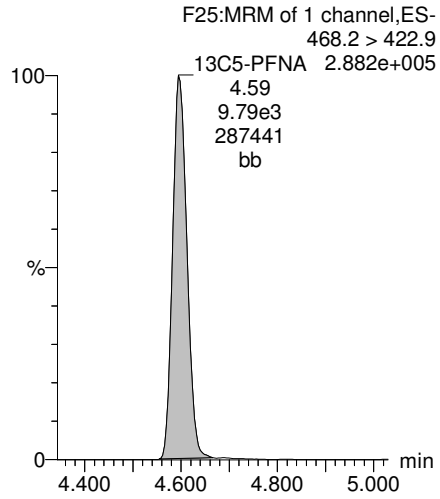
18O2-PFHxS



13C2-PFOA



13C5-PFNA



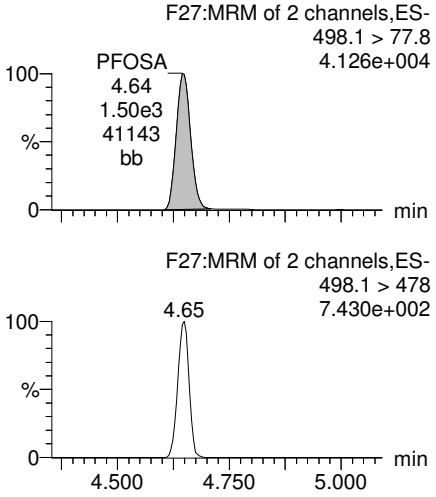
AC 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-16.qld

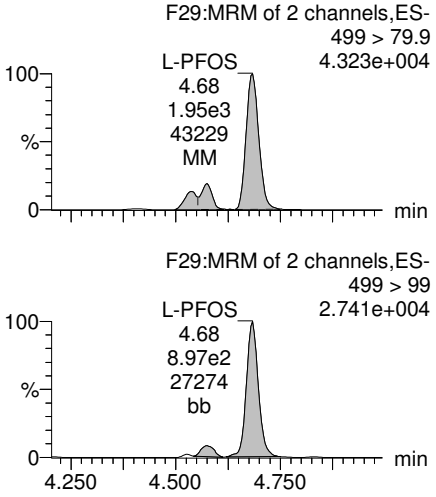
Last Altered: Friday, October 27, 2017 12:58:27 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:05:00 Pacific Daylight Time

Name: 171026M1_16, Date: 26-Oct-2017, Time: 12:03:33, ID: B7J0092-BS1 OPR 0.125, Description: OPR

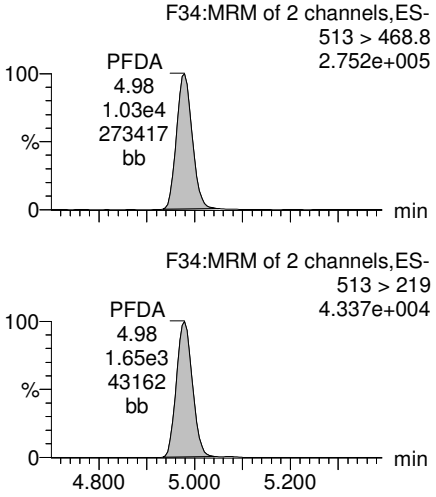
PFOSA



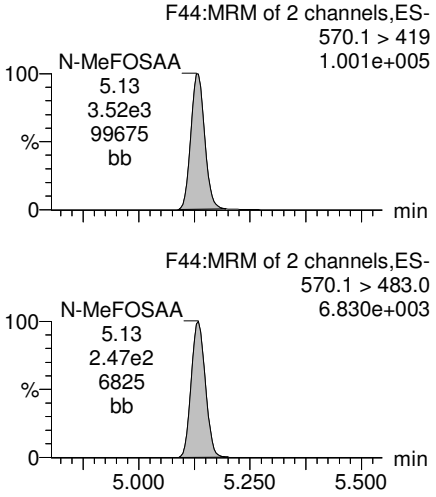
Total PFOS



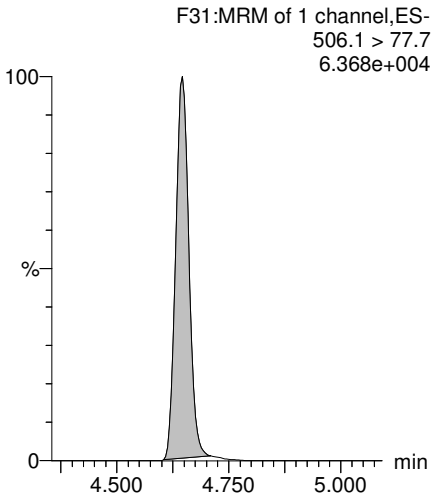
PFDA



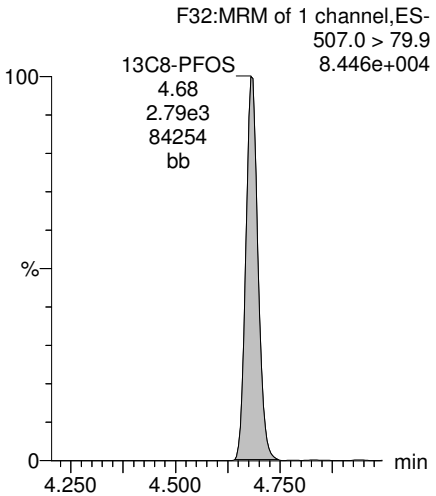
N-MeFOSAA



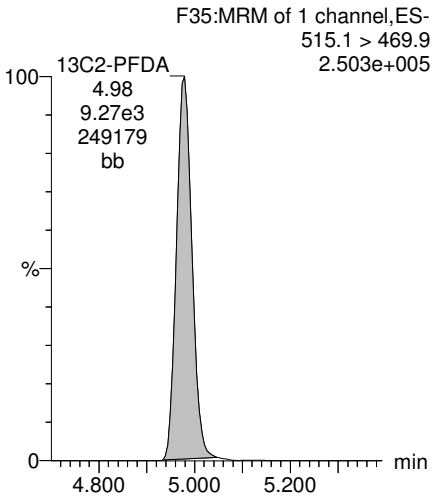
13C8-PFOSA



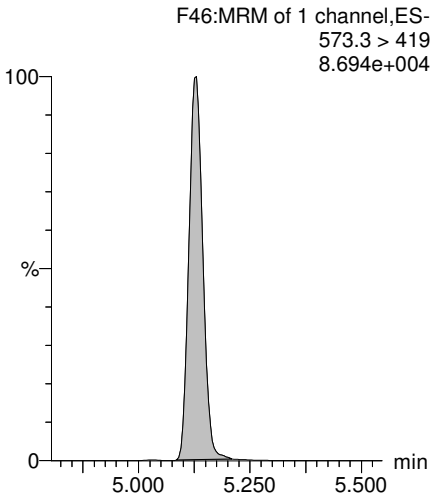
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



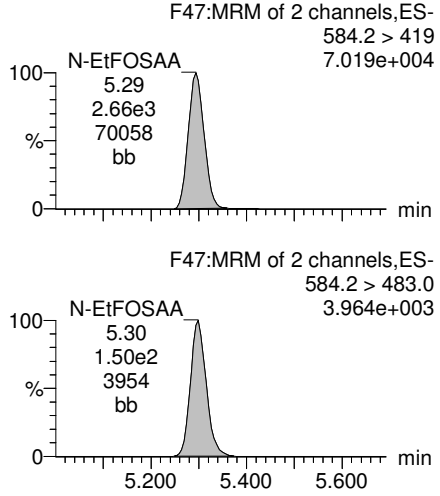
AC 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-16.qld

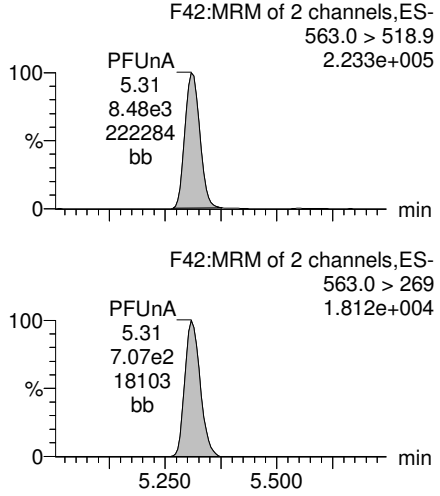
Last Altered: Friday, October 27, 2017 12:58:27 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:05:00 Pacific Daylight Time

Name: 171026M1_16, Date: 26-Oct-2017, Time: 12:03:33, ID: B7J0092-BS1 OPR 0.125, Description: OPR

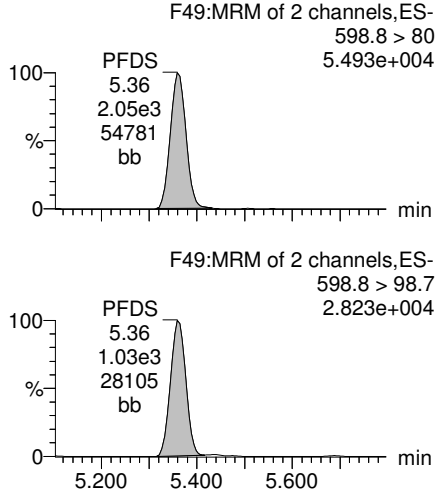
N-EtFOSAA



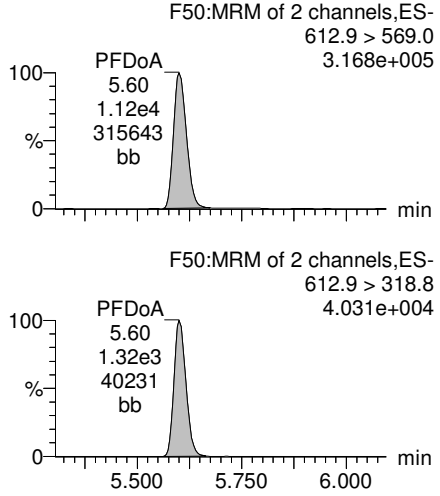
PFUnA



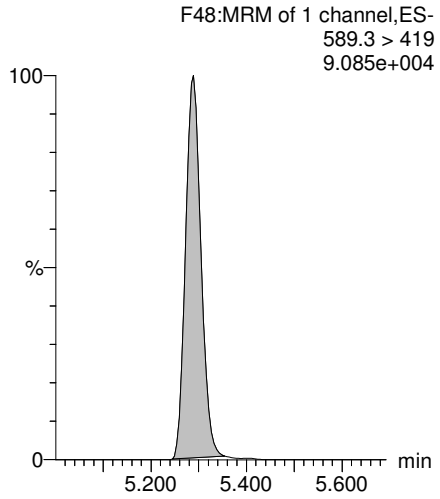
PFDS



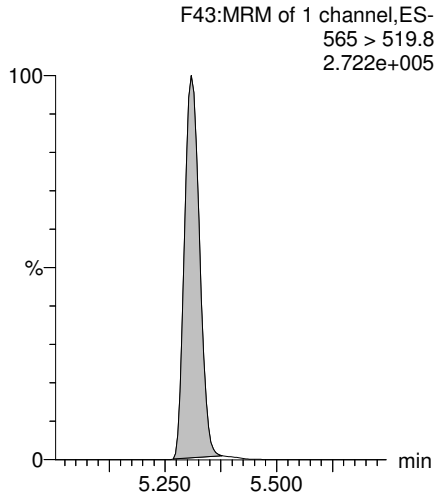
PFDoA



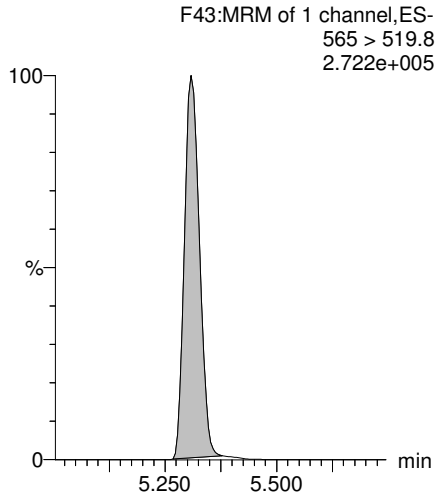
d5-N-EtFOSAA



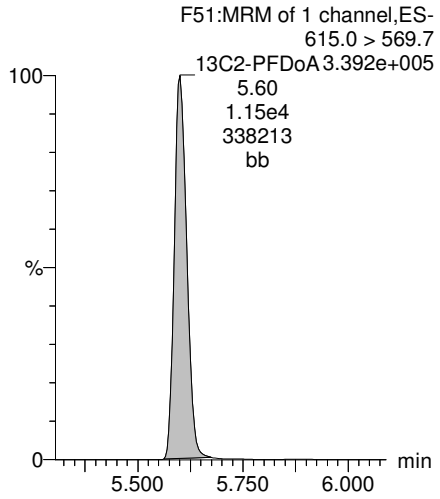
13C2-PFUdA



13C2-PFUdA



13C2-PFDoA



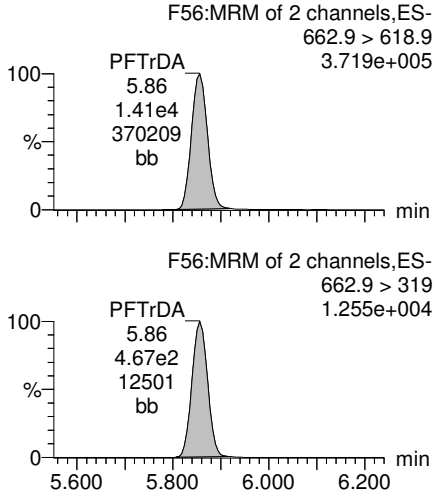
AC 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-16.qld

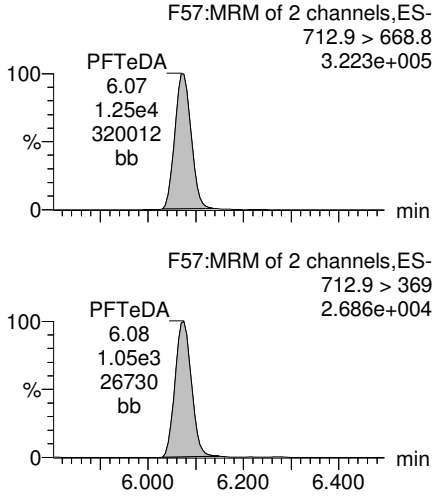
Last Altered: Friday, October 27, 2017 12:58:27 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:05:00 Pacific Daylight Time

Name: 171026M1_16, Date: 26-Oct-2017, Time: 12:03:33, ID: B7J0092-BS1 OPR 0.125, Description: OPR

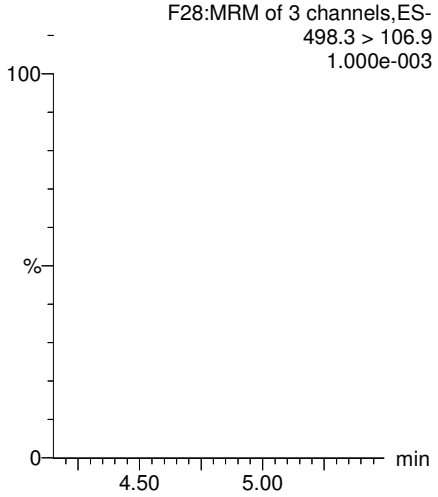
PFTrDA



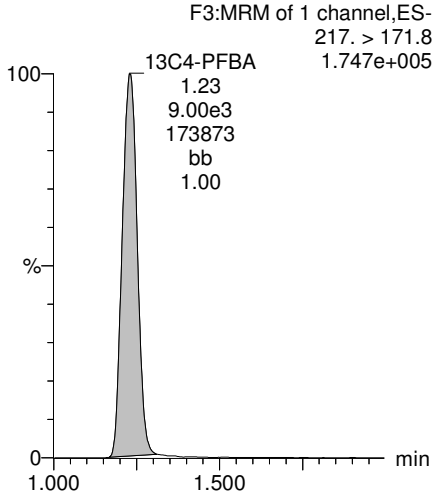
PFTeDA



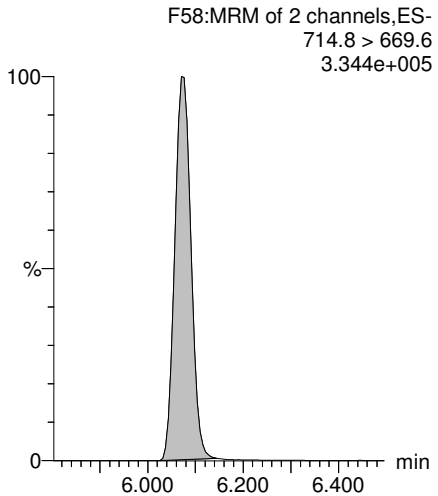
TCDA



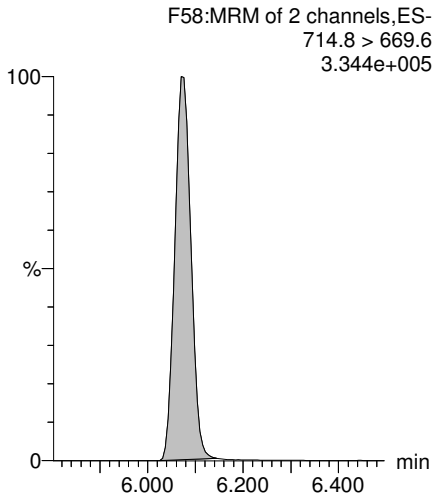
13C4-PFBA



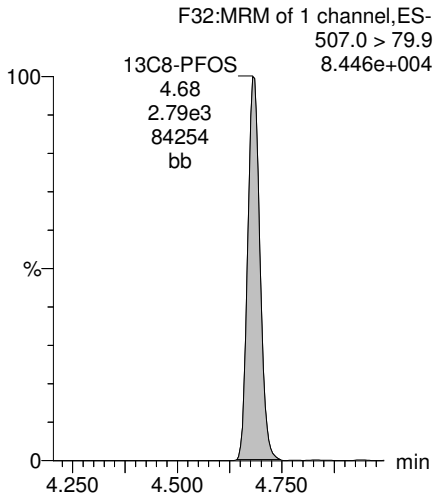
13C2-PFTeDA



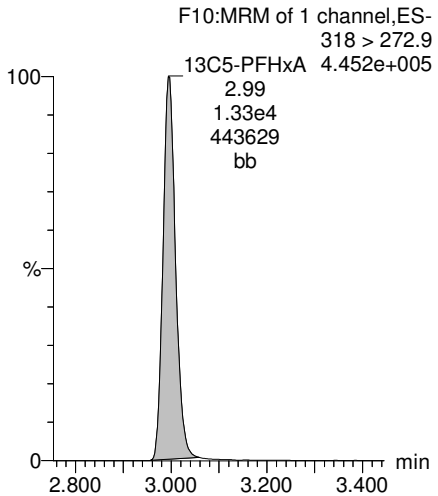
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



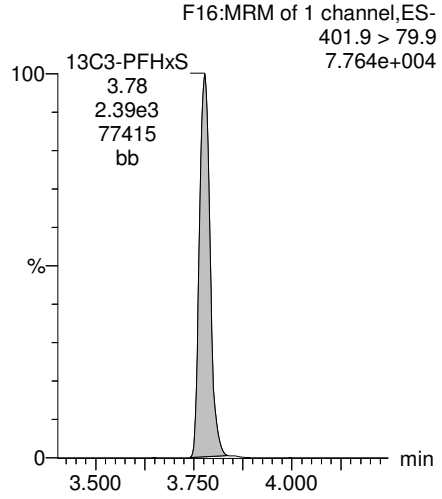
AC 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-16.qld

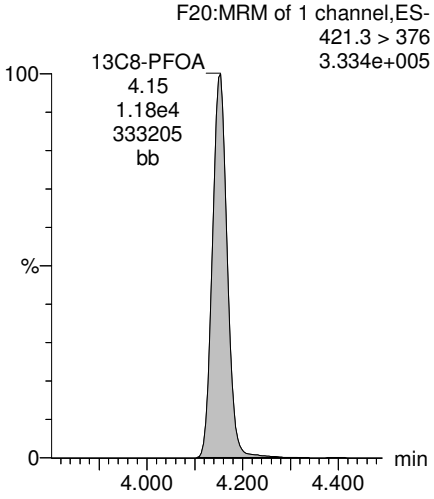
Last Altered: Friday, October 27, 2017 12:58:27 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:05:00 Pacific Daylight Time

Name: 171026M1_16, Date: 26-Oct-2017, Time: 12:03:33, ID: B7J0092-BS1 OPR 0.125, Description: OPR

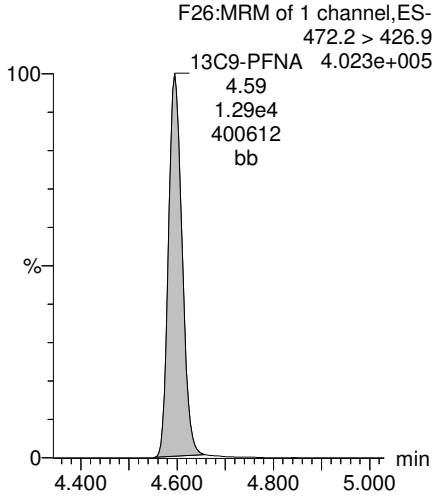
13C3-PFHxS



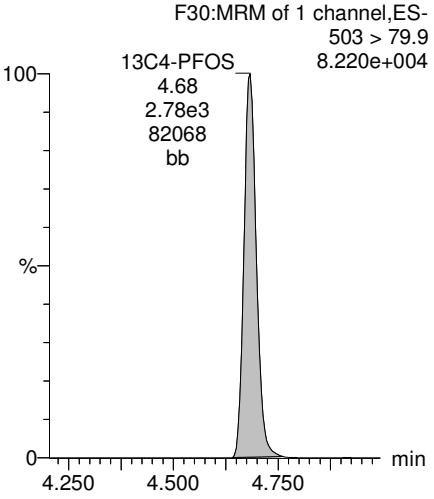
13C8-PFOA



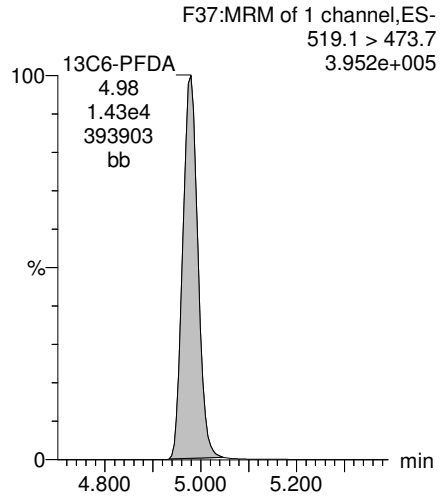
13C9-PFNA



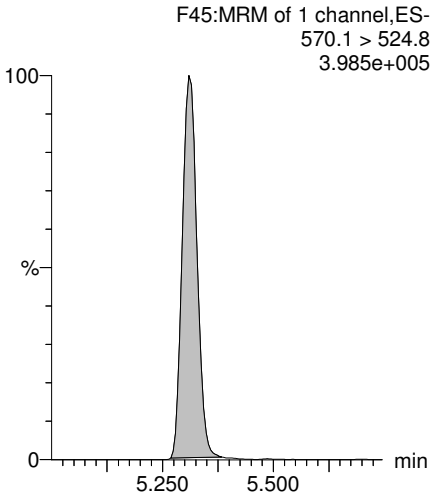
13C4-PFOS



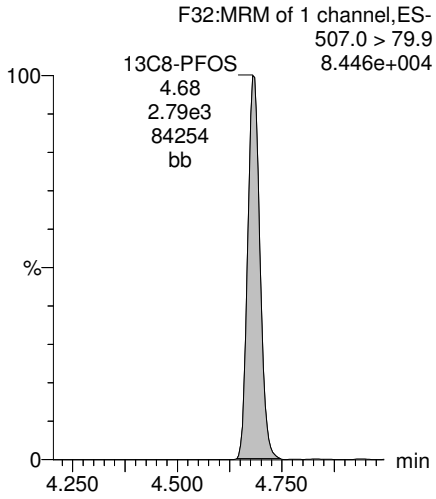
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-24.qld

Last Altered: Tuesday, October 24, 2017 10:35:12 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:35:59 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_24, Date: 16-Oct-2017, Time: 17:43:47, ID: 1701432-02 EB02_20171002 0.125, Description: EB02_20171002

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1		2.80e4	0.109		1.32				
2	2	PFPeA	263.1 > 219.1		3.82e4	0.109		2.91				
3	3	PFBS	299.1 > 79.9		9.07e3	0.109		3.09				
4	4	PFHxA	313.2 > 268.9		1.27e4	0.109		3.31				
5	5	PFHpA	363.1 > 319.1		5.82e4	0.109		3.56				
6	6	L-PFHxS	399.0 > 80.0		3.22e3	0.109		3.63				
7	9	L-PFOA	413 > 368.7	8.64e2	4.08e4	0.109		3.77	3.59	0.265		
8	12	PFNA	463.1 > 419.1		3.67e4	0.109		3.96				
9	13	PFOSA	498.1 > 77.8		5.18e3	0.109		3.96				
10	14	L-PFOS	499 > 79.9		8.23e3	0.109		4.01				
11	16	PFDA	513 > 468.8		2.90e4	0.109		4.14				
12	18	N-MeFOSAA	570.1 > 419		8.08e3	0.109		4.17				
13	19	N-EtFOSAA	584.2 > 419		8.62e3	0.109		4.23				
14	20	PFUnA	562.9 > 518.9		3.94e4	0.109		4.31				
15	21	PFDS	598.9 > 80		3.94e4	0.109		4.36				
16	22	PFDoA	613.0 > 569.1		3.80e4	0.109		4.49				
17	24	PFTrDA	662.9 > 618.9		3.80e4	0.109		4.68				

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-24.qld

Last Altered: Tuesday, October 24, 2017 10:35:12 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:36:12 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_24, Date: 16-Oct-2017, Time: 17:43:47, ID: 1701432-02 EB02_20171002 0.125, Description: EB02_20171002

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		2.84e4	0.109		4.88				
2	31	13C3-PFBA	216.1 > 172.1	2.80e4	3.16e4	0.109	0.956	1.32	1.34	11.1	106	92.5
3	32	13C3-PFPeA	266.1 > 222.1	3.82e4	4.70e4	0.109	0.288	2.91	2.62	4.06	129	112.5
4	33	13C3-PFBS	302.1 > 79.9	9.07e3	4.70e4	0.109	0.065	3.09	2.87	0.965	135	118.1
5	34	13C2-PFHxA	315 > 269.8	1.27e4	4.70e4	0.109	0.297	3.31	3.12	1.35	41.7	91.0
6	35	13C4-PFHpA	367 > 322.1	5.82e4	4.70e4	0.109	0.641	3.56	3.39	6.19	88.4	77.1
7	36	18O2-PFHxS	403 > 103.0	3.22e3	7.22e3	0.109	0.519	3.63	3.47	5.58	98.4	85.9
8	37	13C2-6:2 FTS	429.1 > 408.9	7.94e3	4.45e4	0.109	0.177	3.76	3.58	2.23	115	100.7
9	38	13C2-PFOA	414.9 > 369.7	4.08e4	4.45e4	0.109	1.147	3.77	3.59	11.5	91.6	80.0
10	39	13C5-PFNA	468.1 > 423.1	3.67e4	5.15e4	0.109	0.939	3.96	3.77	8.90	86.9	75.9
11	40	13C8-PFOSA	506.1 > 78.0	5.18e3	5.45e4	0.109	0.177	3.96	3.78	1.19	61.4	53.6
12	41	13C8-PFOS	507 > 79.9	8.23e3	8.88e3	0.109	1.067	4.01	3.82	11.6	99.5	86.9
13	42	13C2-PFDA	515.1 > 469.9	2.90e4	4.96e4	0.109	0.835	4.14	3.94	7.31	80.3	70.1
14	43	13C2-8:2 FTS	529.1 > 508.7	4.87e3	4.96e4	0.109	0.118	4.14	3.93	1.23	95.6	83.5
15	44	d3-N-MeFOSAA	573.3 > 419	8.08e3	5.45e4	0.109	0.013	4.17	3.96	1.85	1290	86.5
16	45	d5-N-EtFOSAA	589.3 > 419	8.62e3	5.45e4	0.109	0.015	4.23	4.03	1.98	1180	79.2
17	46	13C2-PFUnA	565 > 519.8	3.94e4	5.45e4	0.109	1.017	4.31	4.10	9.03	81.4	71.0
18	47	13C2-PFDoA	615.1 > 570.1	3.80e4	5.45e4	0.109	0.984	4.49	4.26	8.71	81.2	70.8
19	49	13C2-PFTeDA	714.8 > 669.6	2.84e4	5.45e4	0.109	0.618	4.88	4.60	6.52	96.7	84.4
20	54	13C4-PFBA	217.1 > 172.1	3.16e4	3.16e4	0.109	1.000	1.32	1.34	12.5	115	100.0
21	55	13C5-PFHxA	318 > 272.9	4.70e4	4.70e4	0.109	1.000	3.31	3.13	5.00	45.8	100.0
22	56	13C3-PFHxS	402.1 > 80.0	7.22e3	7.22e3	0.109	1.000	3.63	3.46	12.5	115	100.0
23	57	13C8-PFOA	421.3 > 376	4.45e4	4.45e4	0.109	1.000	3.77	3.59	12.5	115	100.0
24	58	13C9-PFNA	472.1 > 427.1	5.15e4	5.15e4	0.109	1.000	3.96	3.77	12.5	115	100.0
25	59	13C4-PFOS	503 > 79.9	8.88e3	8.88e3	0.109	1.000	4.01	3.82	12.5	115	100.0
26	60	13C6-PFDA	519.1 > 473.7	4.96e4	4.96e4	0.109	1.000	4.14	3.93	12.5	115	100.0
27	61	13C7-PFUnA	570.1 > 524.8	5.45e4	5.45e4	0.109	1.000	4.31	4.11	12.5	115	100.0
28	62	Total PFHxS	399.0 > 80.0	0.00e0	3.22e3	0.109		3.63		0.000		
29	63	Total PFOA	413 > 368.7	8.64e2	4.08e4	0.109		3.77		0.000		
30	64	Total PFOS	499 > 79.9	0.00e0	8.23e3	0.109		4.01		0.000		
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	8.08e3	0.109		4.17		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	8.62e3	0.109		4.23		0.000		

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

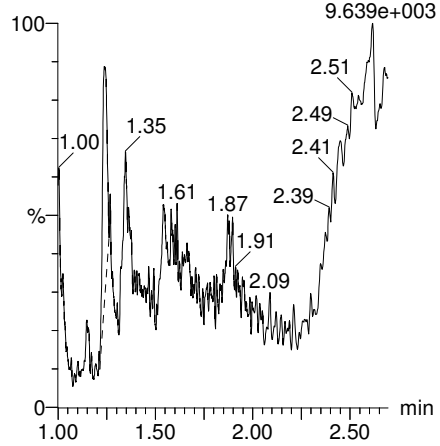
Dataset: U:\Q4.PRO\results\171016M4\171016M4-24.qld

Last Altered: Tuesday, October 24, 2017 10:35:12 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:35:59 Pacific Daylight Time

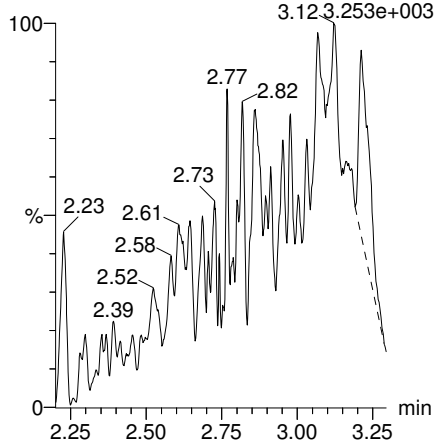
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_24, Date: 16-Oct-2017, Time: 17:43:47, ID: 1701432-02 EB02_20171002 0.125, Description: EB02_20171002

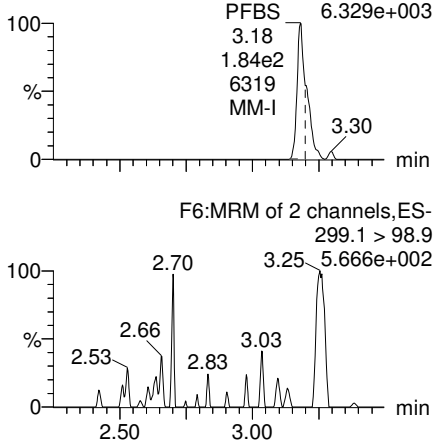
PFBA



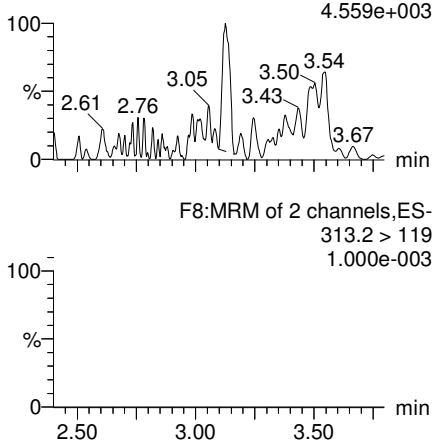
PFPeA



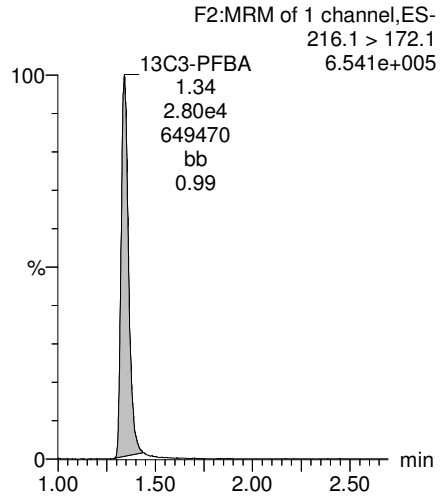
PFBS



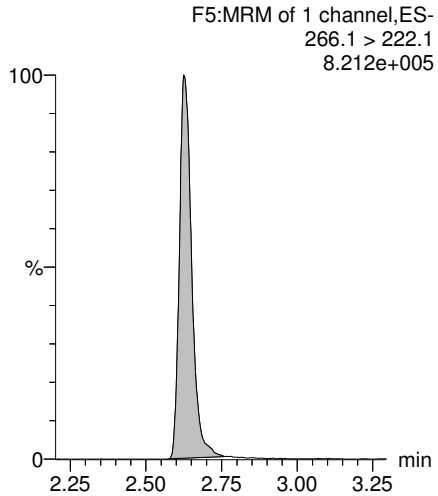
PFHxA



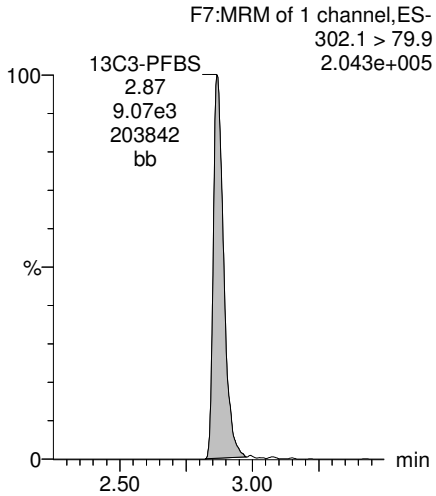
13C3-PFBA



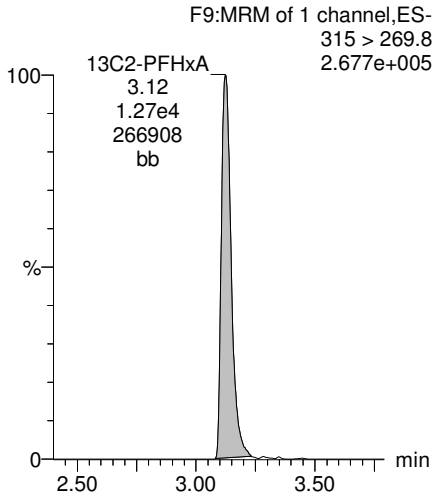
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/24/17

Vista Analytical Laboratory

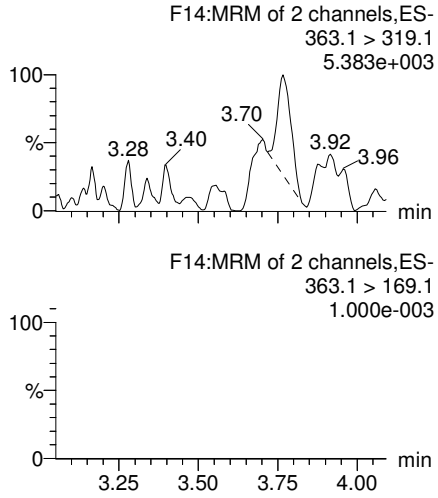
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-24.qld

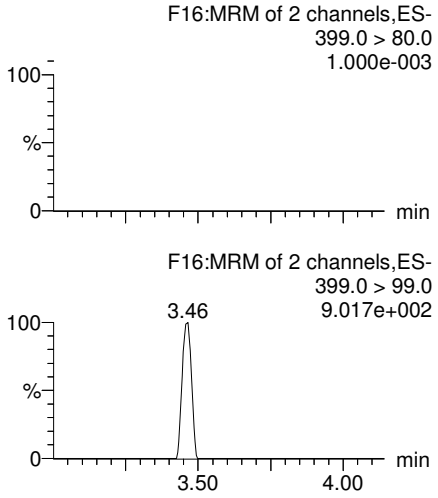
Last Altered: Tuesday, October 24, 2017 10:35:12 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:35:59 Pacific Daylight Time

Name: 171016M4_24, Date: 16-Oct-2017, Time: 17:43:47, ID: 1701432-02 EB02_20171002 0.125, Description: EB02_20171002

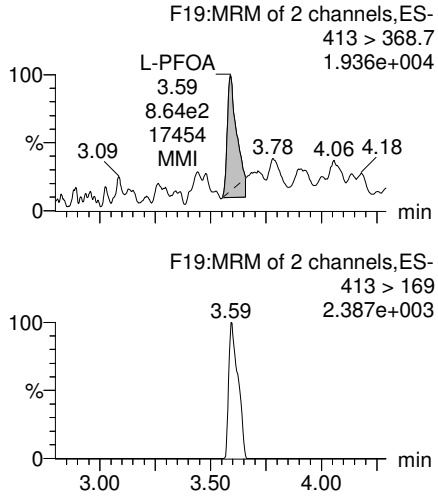
PFHpA



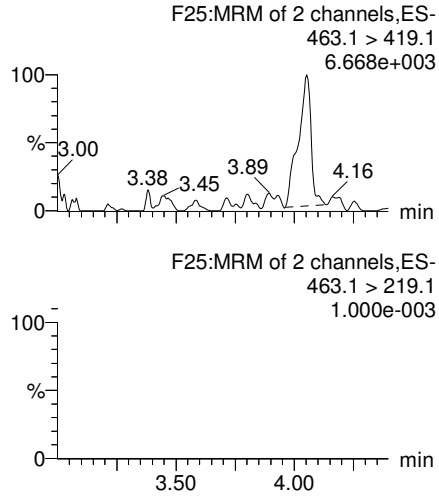
Total PFHxS



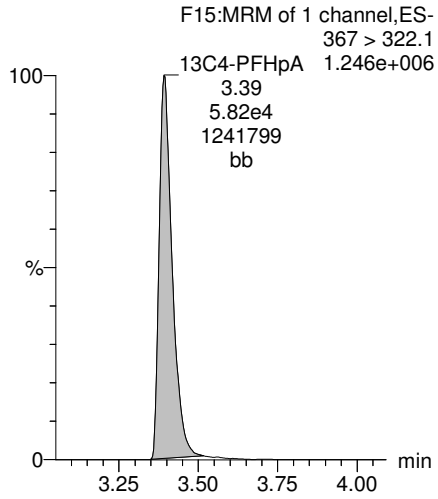
Total PFOA



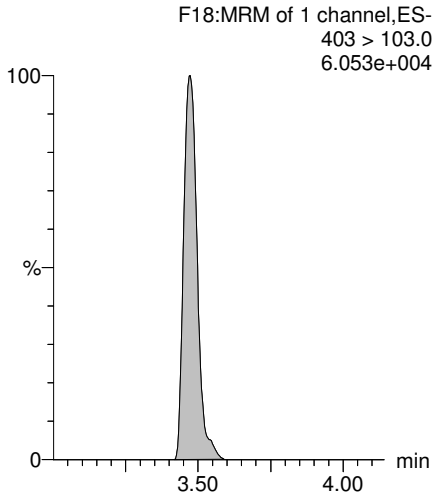
PFNA



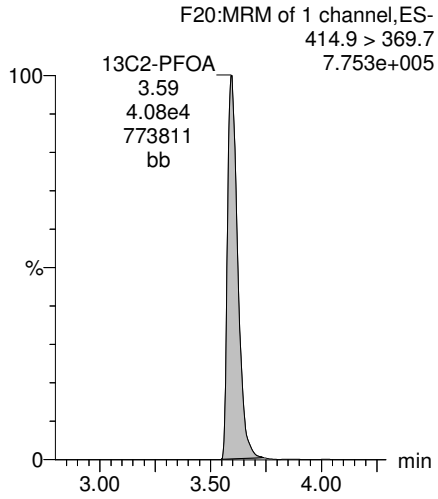
13C4-PFHpA



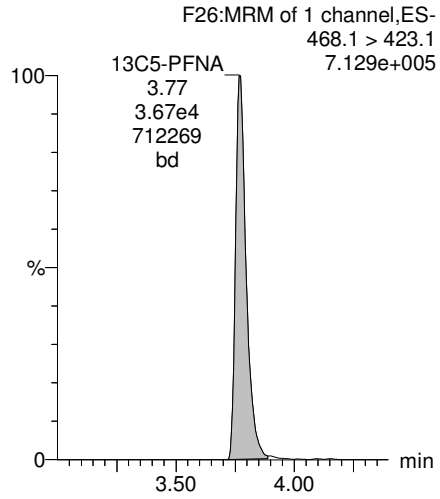
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/24/17

Vista Analytical Laboratory

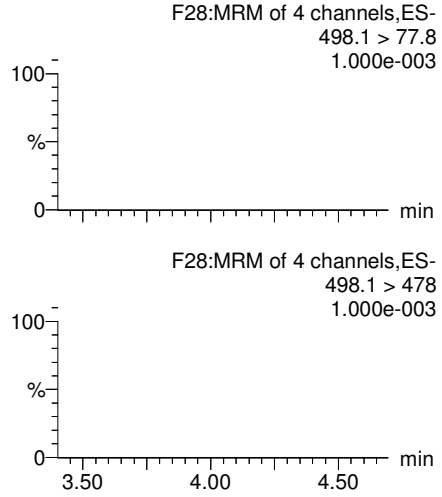
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-24.qld

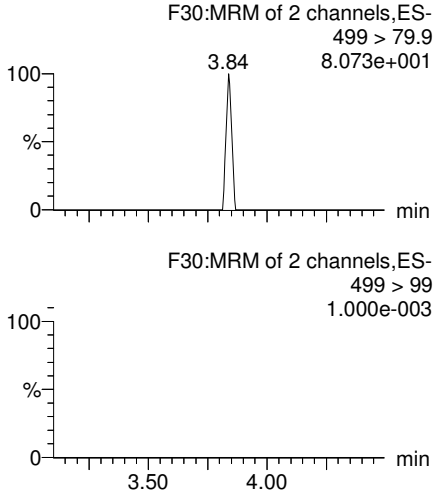
Last Altered: Tuesday, October 24, 2017 10:35:12 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:35:59 Pacific Daylight Time

Name: 171016M4_24, Date: 16-Oct-2017, Time: 17:43:47, ID: 1701432-02 EB02_20171002 0.125, Description: EB02_20171002

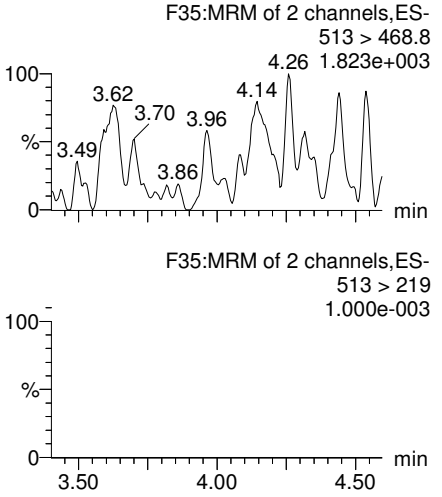
PFOSA



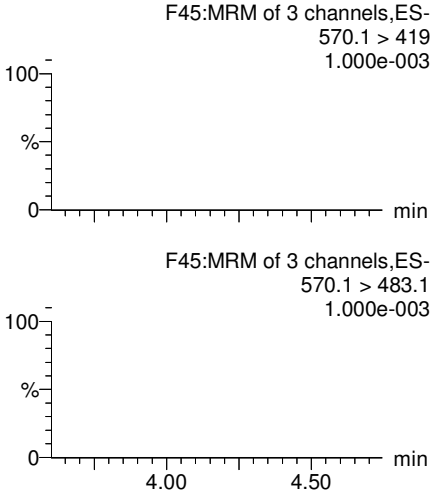
Total PFOS



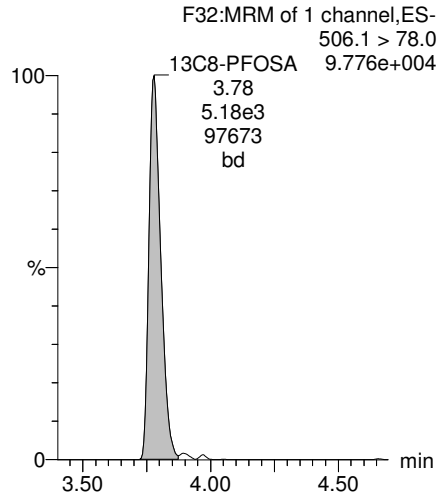
PFDA



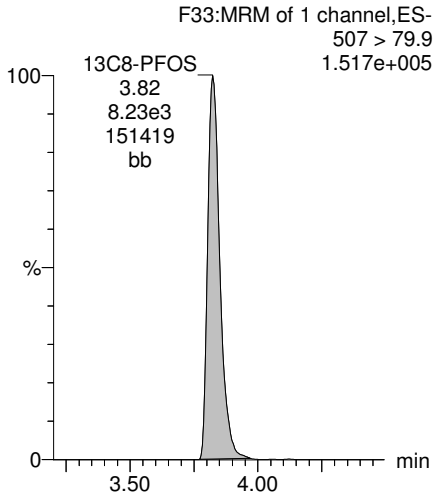
N-MeFOSAA



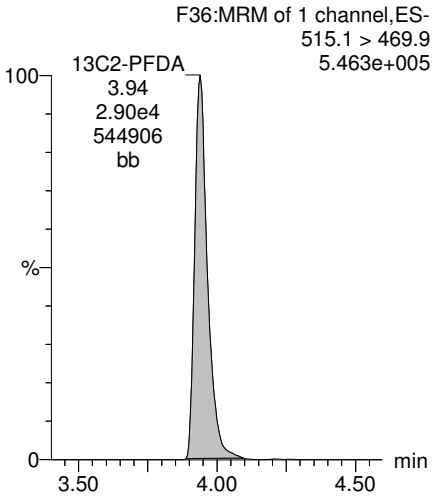
13C8-PFOSA



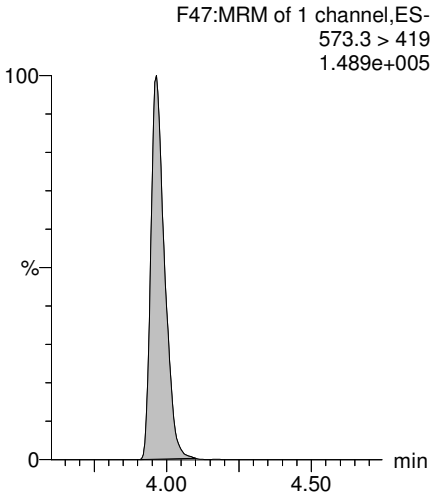
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/24/17

Vista Analytical Laboratory

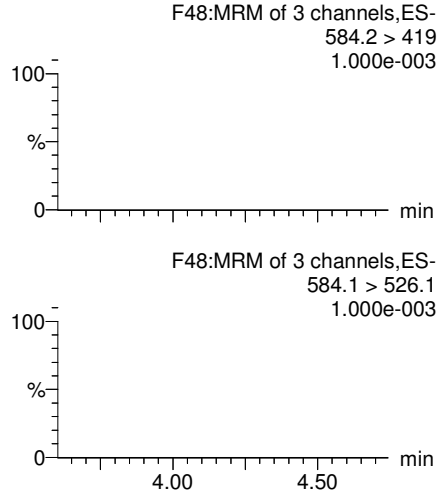
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-24.qld

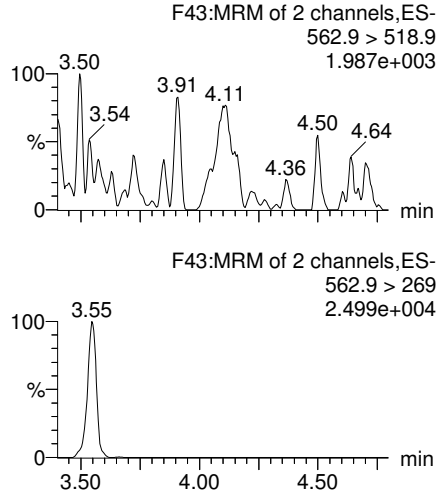
Last Altered: Tuesday, October 24, 2017 10:35:12 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:35:59 Pacific Daylight Time

Name: 171016M4_24, Date: 16-Oct-2017, Time: 17:43:47, ID: 1701432-02 EB02_20171002 0.125, Description: EB02_20171002

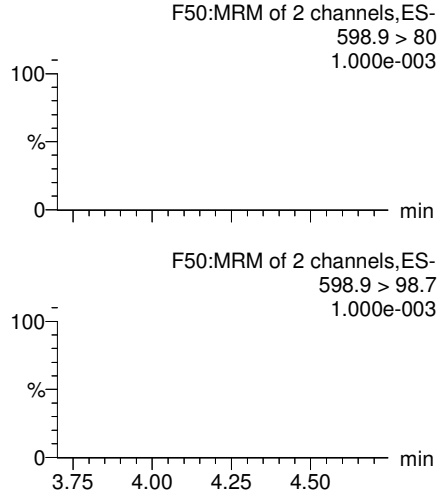
N-EtFOSAA



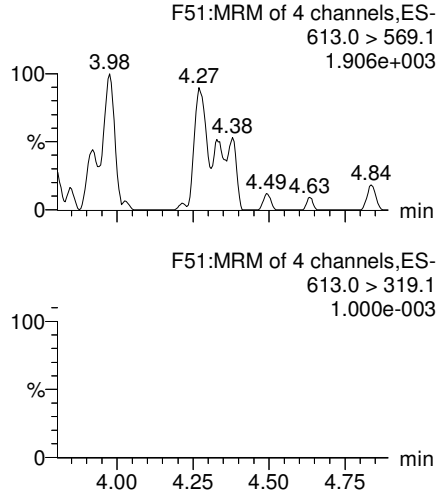
PFUnA



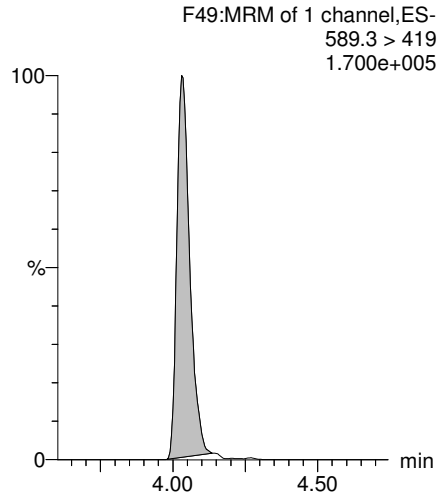
PFDS



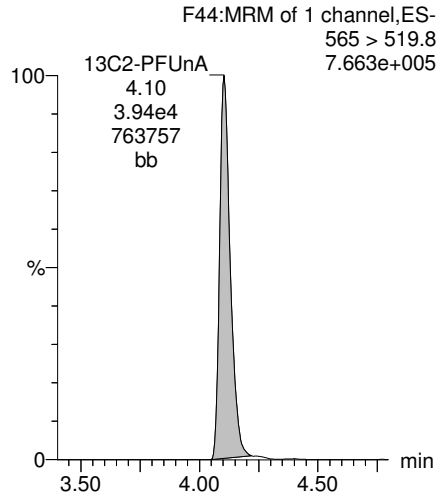
PFDoA



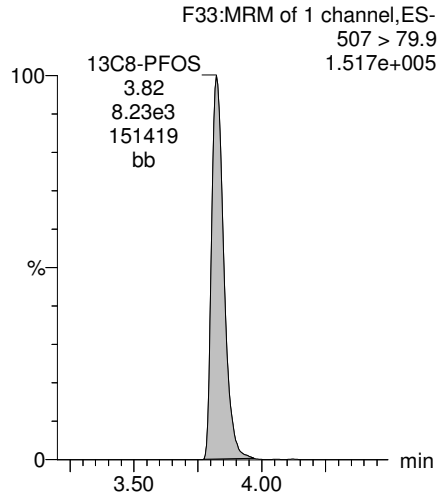
d5-N-EtFOSAA



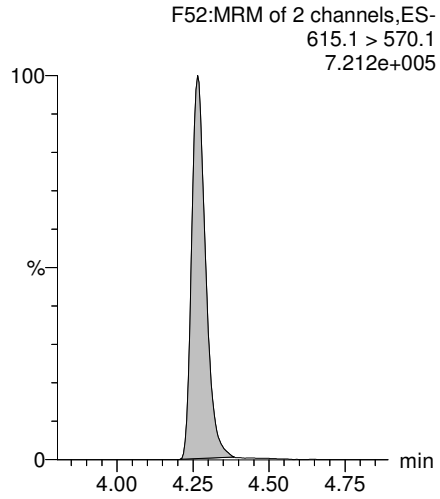
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/24/17

Vista Analytical Laboratory

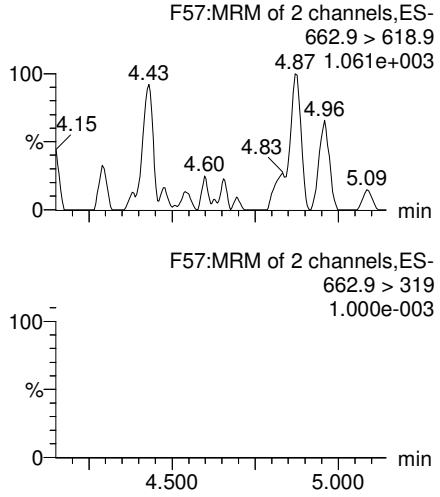
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-24.qld

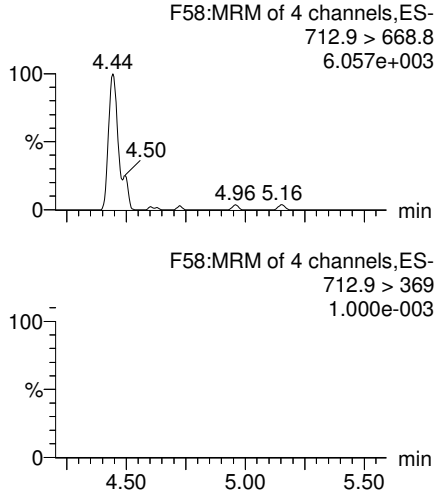
Last Altered: Tuesday, October 24, 2017 10:35:12 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:35:59 Pacific Daylight Time

Name: 171016M4_24, Date: 16-Oct-2017, Time: 17:43:47, ID: 1701432-02 EB02_20171002 0.125, Description: EB02_20171002

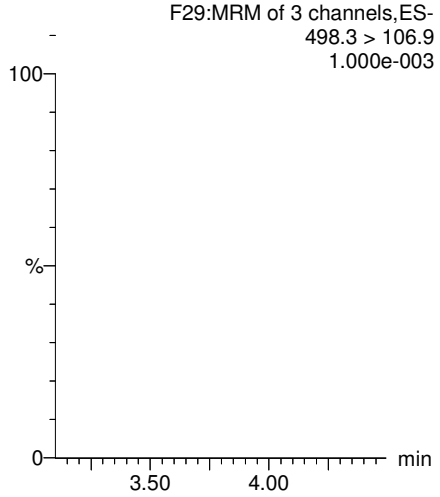
PFTrDA



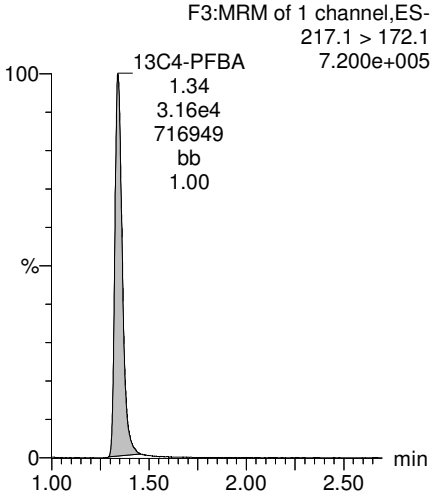
PFTeDA



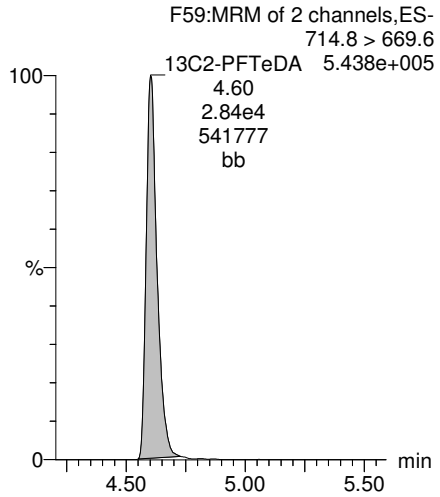
TCDA



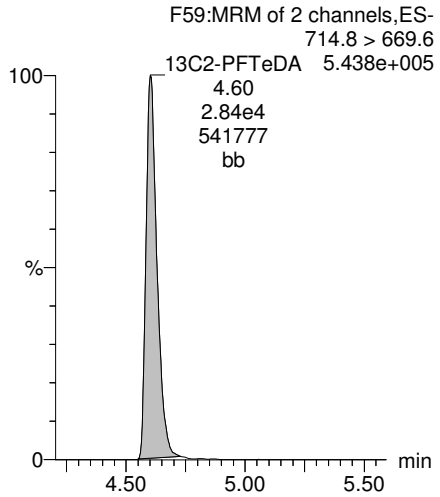
13C4-PFBA



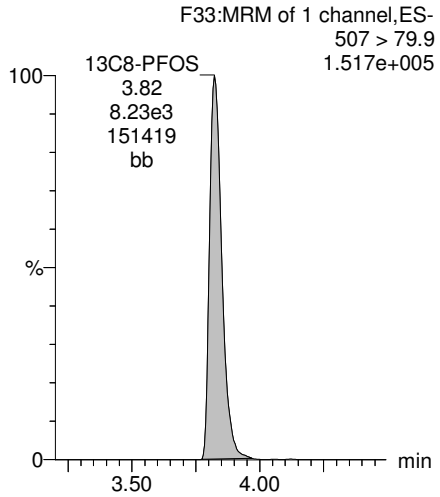
13C2-PFTeDA



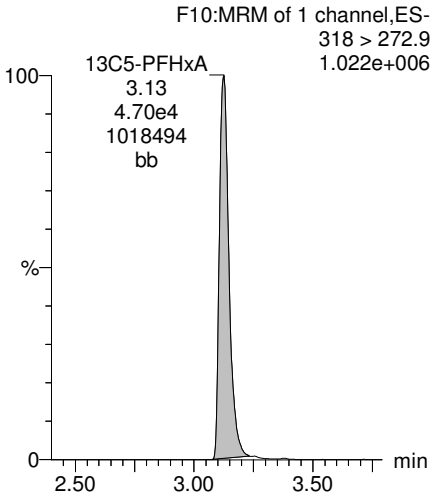
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

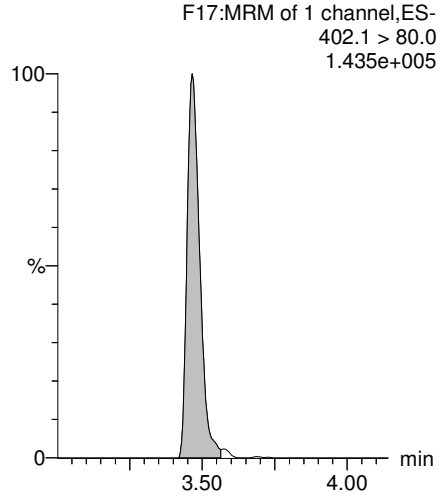
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-24.qld

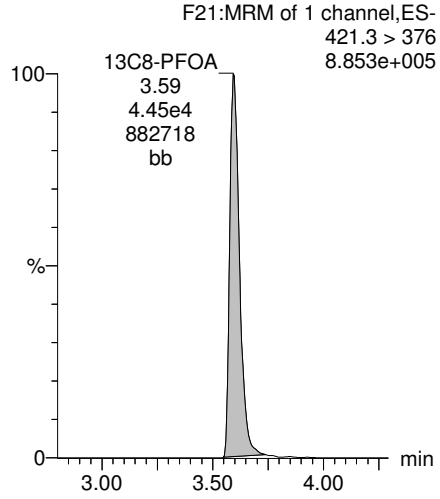
Last Altered: Tuesday, October 24, 2017 10:35:12 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:35:59 Pacific Daylight Time

Name: 171016M4_24, Date: 16-Oct-2017, Time: 17:43:47, ID: 1701432-02 EB02_20171002 0.125, Description: EB02_20171002

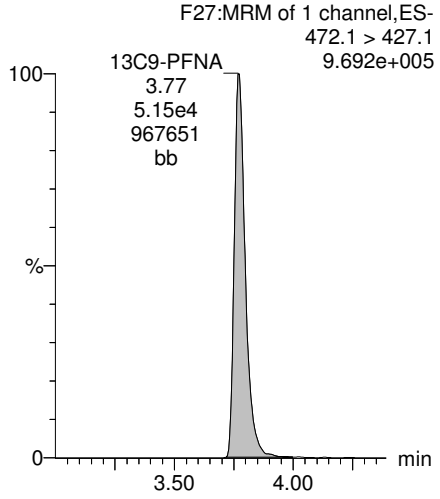
13C3-PFHxS



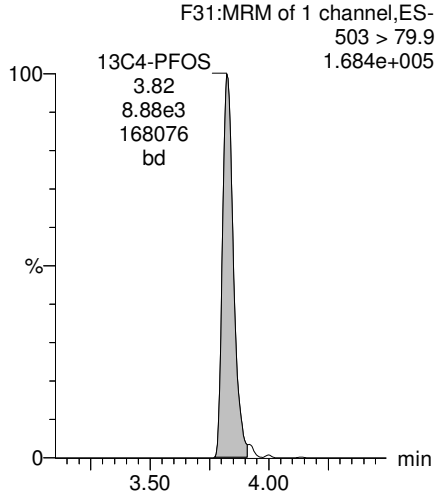
13C8-PFOA



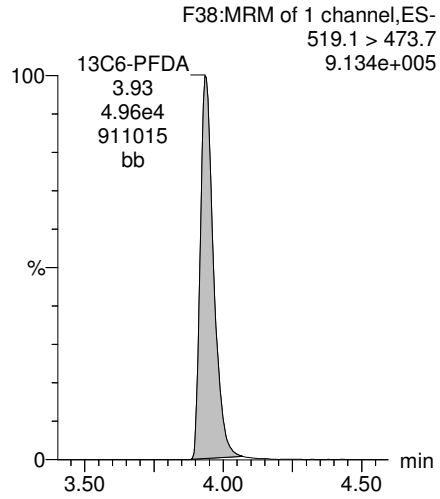
13C9-PFNA



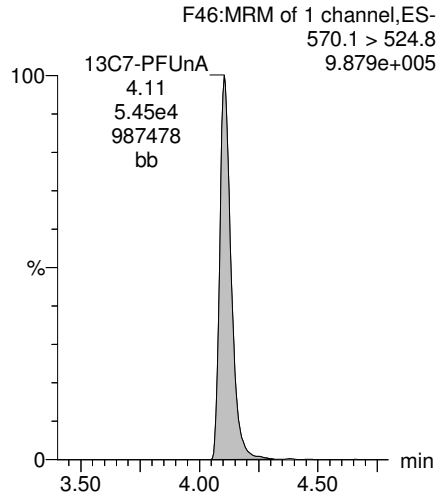
13C4-PFOS



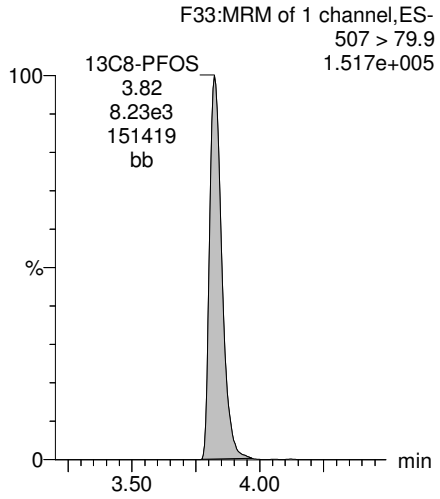
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-25.qld

Last Altered: Tuesday, October 24, 2017 10:56:11 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:58:42 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_25, Date: 16-Oct-2017, Time: 17:54:24, ID: 1701432-03 EB03_20171003 0.125, Description: EB03_20171003

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1		2.83e4	0.114		1.32				
2	2	PFPeA	263.1 > 219.1		3.69e4	0.114		2.91				
3	3	PFBS	299.1 > 79.9		8.24e3	0.114		3.09				
4	4	PFHxA	313.2 > 268.9		1.30e4	0.114		3.31				
5	5	PFHpA	363.1 > 319.1		5.39e4	0.114		3.56				
6	6	L-PFHxS	399.0 > 80.0		3.10e3	0.114		3.63				
7	9	L-PFOA	413 > 368.7	7.89e2	3.84e4	0.114		3.77	3.59	0.257		
8	12	PFNA	463.1 > 419.1		3.28e4	0.114		3.96				
9	13	PFOSA	498.1 > 77.8		3.86e3	0.114		3.96				
10	14	L-PFOS	499 > 79.9		7.82e3	0.114		4.01				
11	16	PFDA	513 > 468.8		2.53e4	0.114		4.14				
12	18	N-MeFOSAA	570.1 > 419		5.93e3	0.114		4.17				
13	19	N-EtFOSAA	584.2 > 419		6.88e3	0.114		4.23				
14	20	PFUnA	562.9 > 518.9		3.27e4	0.114		4.31				
15	21	PFDS	598.9 > 80		3.27e4	0.114		4.36				
16	22	PFDoA	613.0 > 569.1		3.22e4	0.114		4.49				
17	24	PFTrDA	662.9 > 618.9		3.22e4	0.114		4.68				

AC 10/23/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-25.qld

Last Altered: Tuesday, October 24, 2017 10:56:11 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:58:57 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_25, Date: 16-Oct-2017, Time: 17:54:24, ID: 1701432-03 EB03_20171003 0.125, Description: EB03_20171003

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		2.68e4	0.114		4.88				
2	31	13C3-PFBA	216.1 > 172.1	2.83e4	3.12e4	0.114	0.956	1.32	1.34	11.3	104	94.9
3	32	13C3-PFPeA	266.1 > 222.1	3.69e4	4.61e4	0.114	0.288	2.91	2.63	4.01	121	111.1
4	33	13C3-PFBS	302.1 > 79.9	8.24e3	4.61e4	0.114	0.065	3.09	2.87	0.894	120	109.5
5	34	13C2-PFHxA	315 > 269.8	1.30e4	4.61e4	0.114	0.297	3.31	3.12	1.41	41.6	95.2
6	35	13C4-PFHpA	367 > 322.1	5.39e4	4.61e4	0.114	0.641	3.56	3.39	5.85	79.7	72.9
7	36	18O2-PFHxS	403 > 103.0	3.10e3	6.74e3	0.114	0.519	3.63	3.47	5.76	96.9	88.7
8	37	13C2-6:2 FTS	429.1 > 408.9	6.74e3	3.99e4	0.114	0.177	3.76	3.58	2.11	104	95.3
9	38	13C2-PFOA	414.9 > 369.7	3.84e4	3.99e4	0.114	1.147	3.77	3.59	12.0	91.6	83.9
10	39	13C5-PFNA	468.1 > 423.1	3.28e4	4.43e4	0.114	0.939	3.96	3.77	9.24	86.0	78.8
11	40	13C8-PFOSA	506.1 > 78.0	3.86e3	4.96e4	0.114	0.177	3.96	3.77	0.972	47.9	43.9
12	41	13C8-PFOS	507 > 79.9	7.82e3	7.84e3	0.114	1.067	4.01	3.82	12.5	102	93.5
13	42	13C2-PFDA	515.1 > 469.9	2.53e4	4.27e4	0.114	0.835	4.14	3.93	7.42	77.7	71.2
14	43	13C2-8:2 FTS	529.1 > 508.7	4.20e3	4.27e4	0.114	0.118	4.14	3.93	1.23	91.6	83.8
15	44	d3-N-MeFOSAA	573.3 > 419	5.93e3	4.96e4	0.114	0.013	4.17	3.97	1.49	989	69.7
16	45	d5-N-EtFOSAA	589.3 > 419	6.88e3	4.96e4	0.114	0.015	4.23	4.03	1.73	986	69.5
17	46	13C2-PFUnA	565 > 519.8	3.27e4	4.96e4	0.114	1.017	4.31	4.11	8.24	70.8	64.8
18	47	13C2-PFDoA	615.1 > 570.1	3.22e4	4.96e4	0.114	0.984	4.49	4.26	8.11	72.0	65.9
19	49	13C2-PFTeDA	714.8 > 669.6	2.68e4	4.96e4	0.114	0.618	4.88	4.60	6.76	95.6	87.6
20	54	13C4-PFBA	217.1 > 172.1	3.12e4	3.12e4	0.114	1.000	1.32	1.34	12.5	109	100.0
21	55	13C5-PFHxA	318 > 272.9	4.61e4	4.61e4	0.114	1.000	3.31	3.13	5.00	43.7	100.0
22	56	13C3-PFHxS	402.1 > 80.0	6.74e3	6.74e3	0.114	1.000	3.63	3.47	12.5	109	100.0
23	57	13C8-PFOA	421.3 > 376	3.99e4	3.99e4	0.114	1.000	3.77	3.59	12.5	109	100.0
24	58	13C9-PFNA	472.1 > 427.1	4.43e4	4.43e4	0.114	1.000	3.96	3.77	12.5	109	100.0
25	59	13C4-PFOS	503 > 79.9	7.84e3	7.84e3	0.114	1.000	4.01	3.82	12.5	109	100.0
26	60	13C6-PFDA	519.1 > 473.7	4.27e4	4.27e4	0.114	1.000	4.14	3.94	12.5	109	100.0
27	61	13C7-PFUnA	570.1 > 524.8	4.96e4	4.96e4	0.114	1.000	4.31	4.10	12.5	109	100.0
28	62	Total PFHxS	399.0 > 80.0	0.00e0	3.10e3	0.114		3.63		0.000		
29	63	Total PFOA	413 > 368.7	7.89e2	3.84e4	0.114		3.77		0.000		
30	64	Total PFOS	499 > 79.9	0.00e0	7.82e3	0.114		4.01		0.000		
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	5.93e3	0.114		4.17		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	6.88e3	0.114		4.23		0.000		

AC 10/23/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

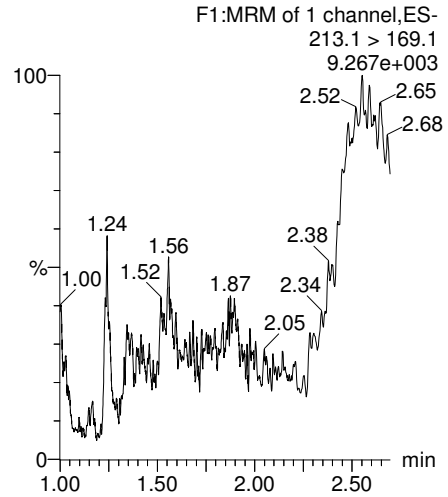
Dataset: U:\Q4.PRO\results\171016M4\171016M4-25.qld

Last Altered: Tuesday, October 24, 2017 10:56:11 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:58:57 Pacific Daylight Time

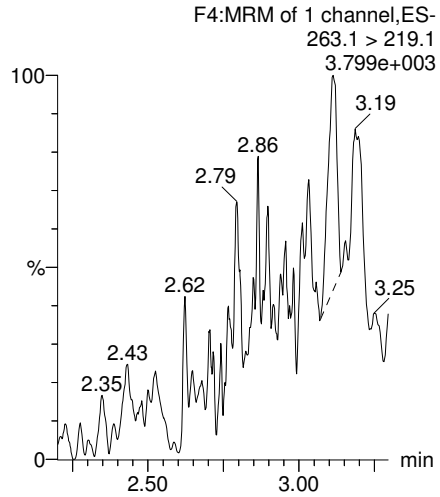
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_25, Date: 16-Oct-2017, Time: 17:54:24, ID: 1701432-03 EB03_20171003 0.125, Description: EB03_20171003

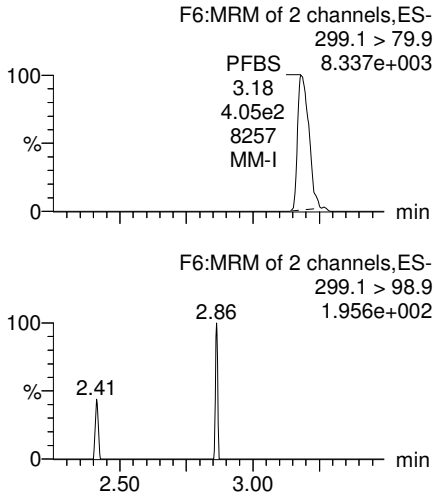
PFBA



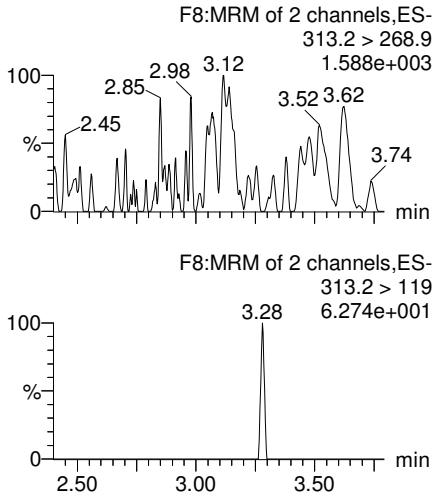
PFPeA



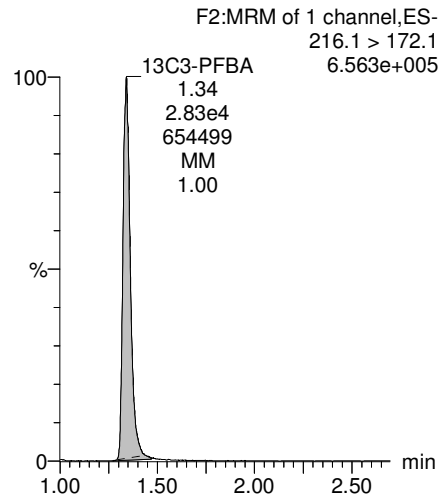
PFBS



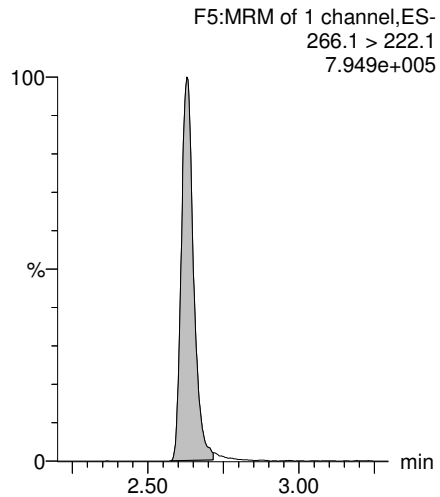
PFHxA



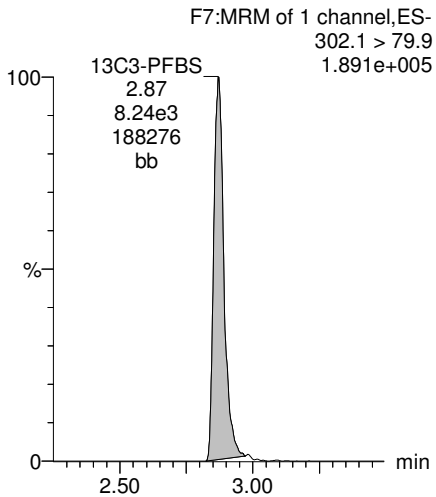
13C3-PFBA



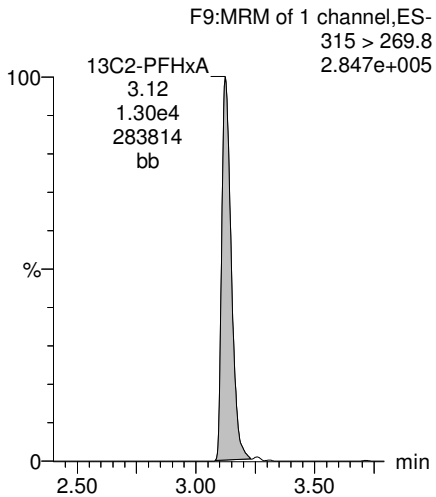
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



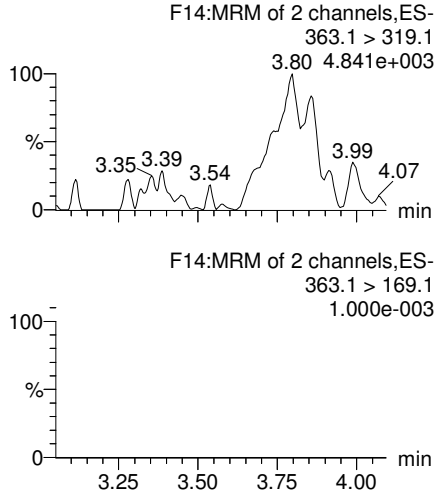
AC 10/23/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-25.qld

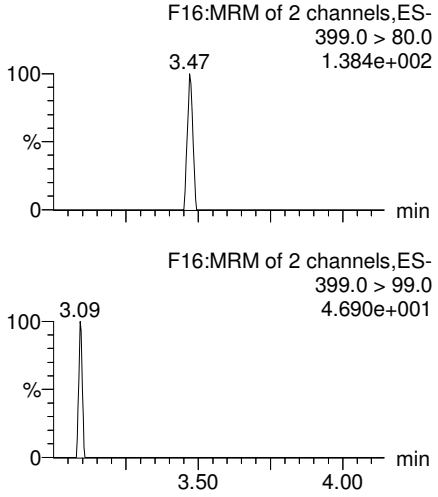
Last Altered: Tuesday, October 24, 2017 10:56:11 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:58:57 Pacific Daylight Time

Name: 171016M4_25, Date: 16-Oct-2017, Time: 17:54:24, ID: 1701432-03 EB03_20171003 0.125, Description: EB03_20171003

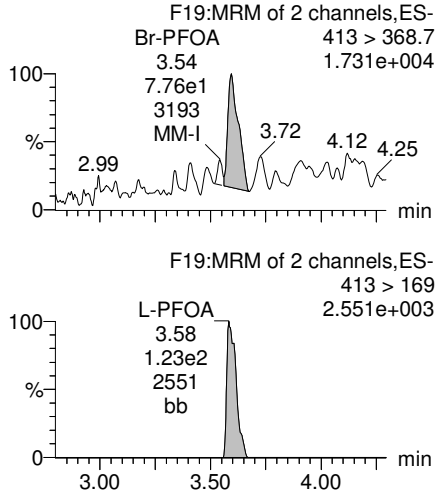
PFHpA



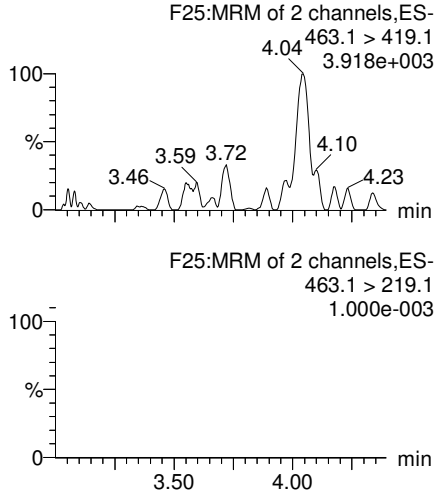
Total PFHxS



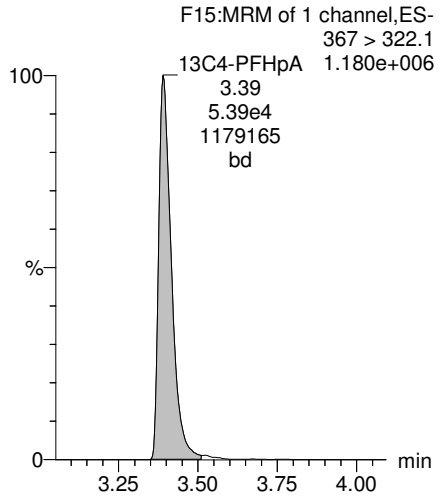
Total PFOA



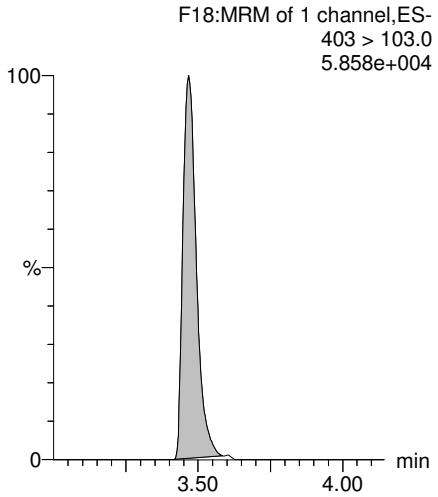
PFNA



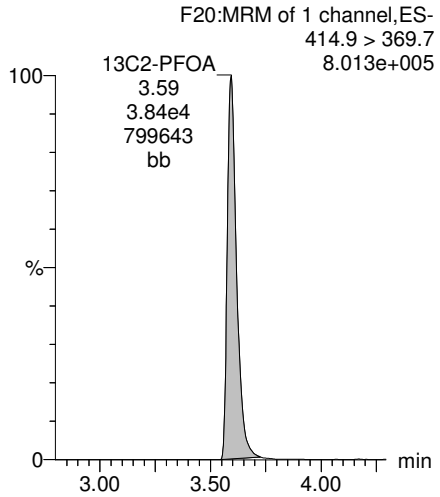
13C4-PFHpA



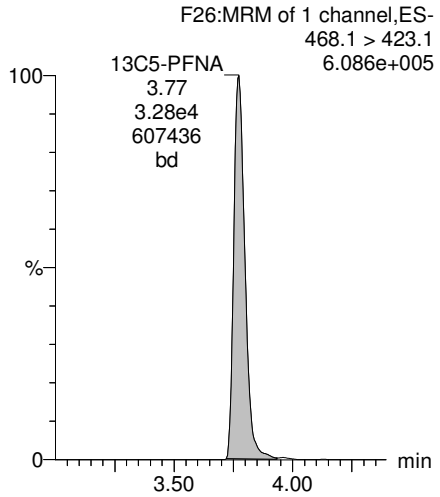
18O2-PFHxS



13C2-PFOA



13C5-PFNA



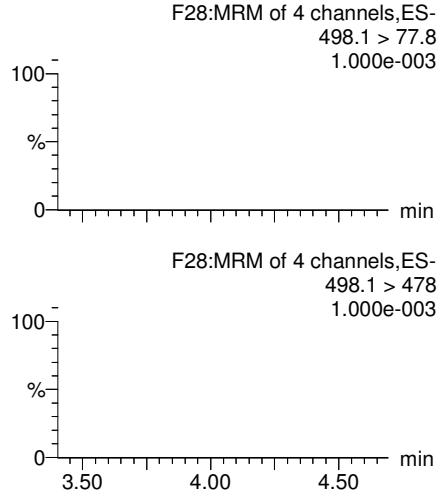
AC 10/23/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-25.qld

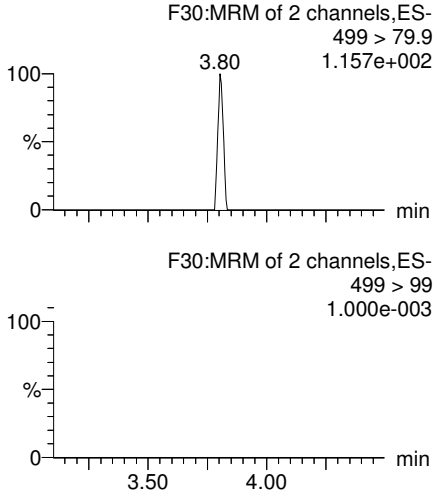
Last Altered: Tuesday, October 24, 2017 10:56:11 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:58:57 Pacific Daylight Time

Name: 171016M4_25, Date: 16-Oct-2017, Time: 17:54:24, ID: 1701432-03 EB03_20171003 0.125, Description: EB03_20171003

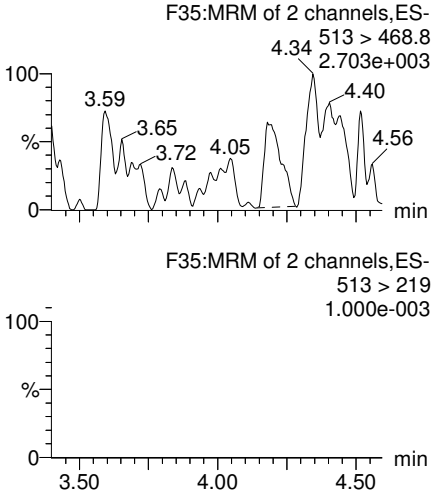
PFOSA



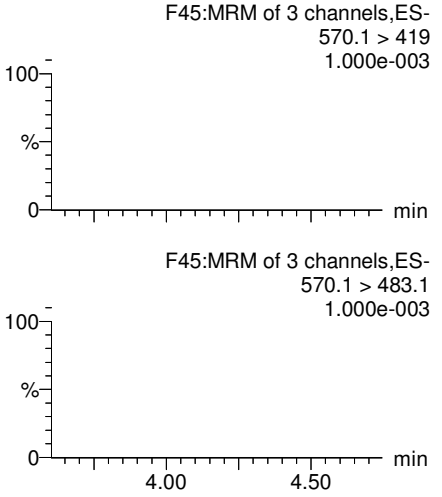
Total PFOS



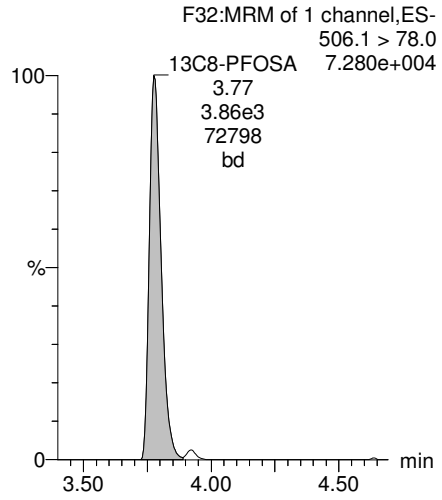
PFDA



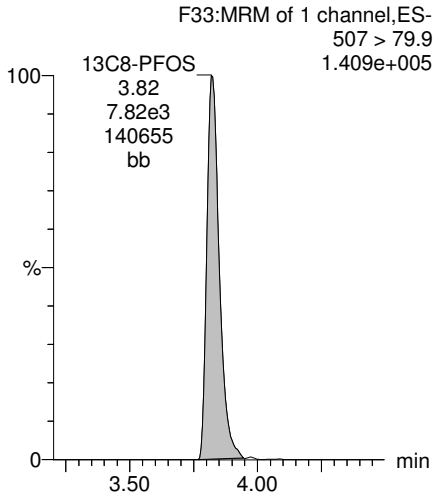
N-MeFOSAA



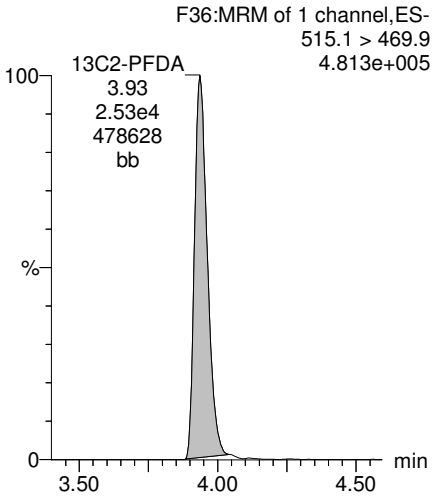
13C8-PFOSA



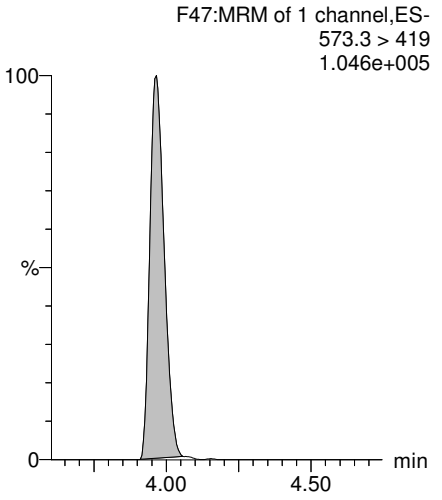
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/23/17

Vista Analytical Laboratory

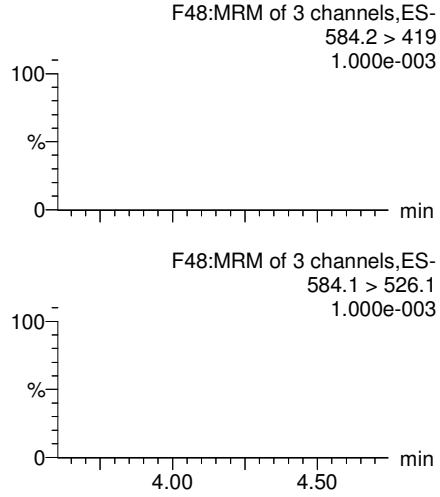
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-25.qld

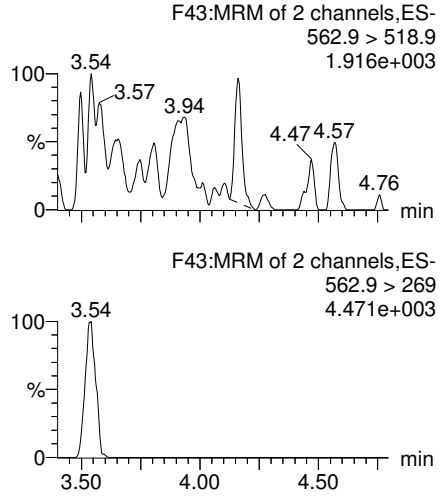
Last Altered: Tuesday, October 24, 2017 10:56:11 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:58:57 Pacific Daylight Time

Name: 171016M4_25, Date: 16-Oct-2017, Time: 17:54:24, ID: 1701432-03 EB03_20171003 0.125, Description: EB03_20171003

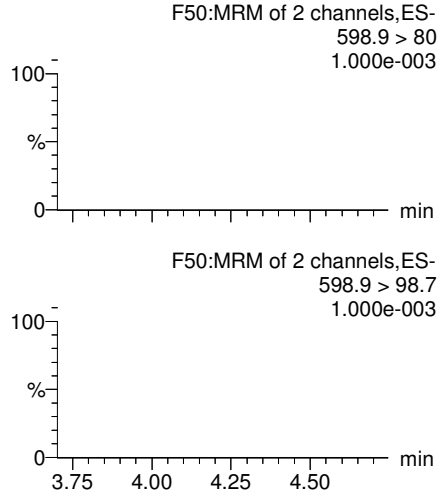
N-EtFOSAA



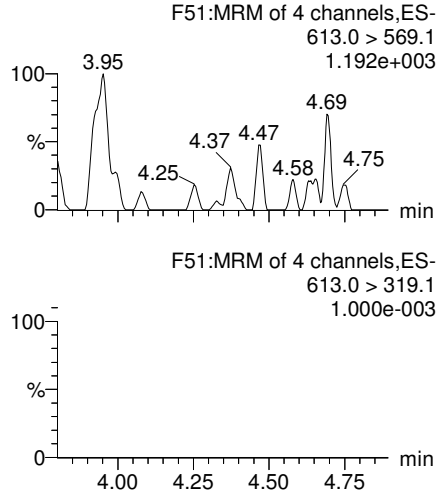
PFUnA



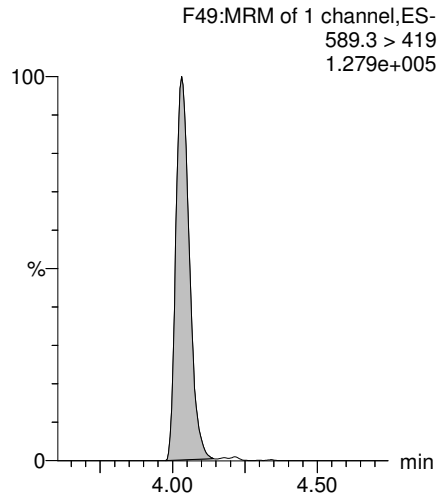
PFDS



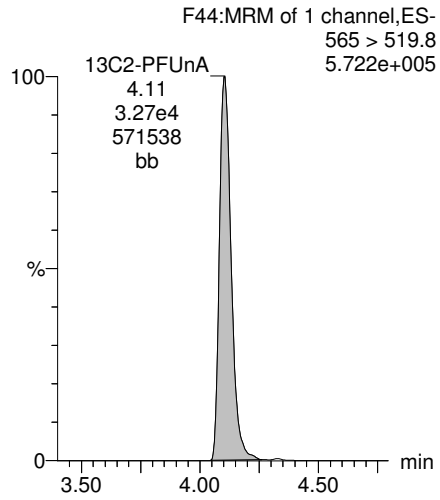
PFDoA



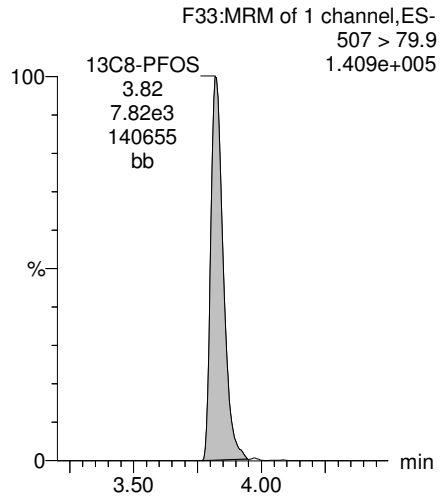
d5-N-EtFOSAA



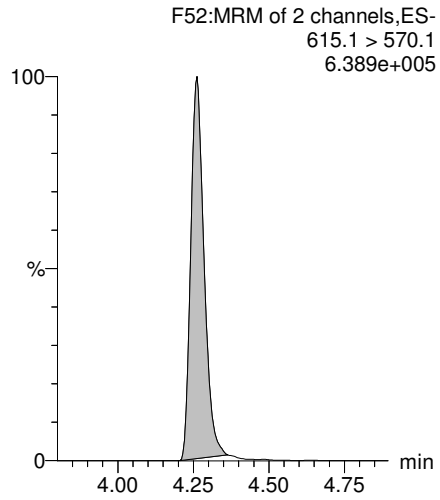
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/23/17

Vista Analytical Laboratory

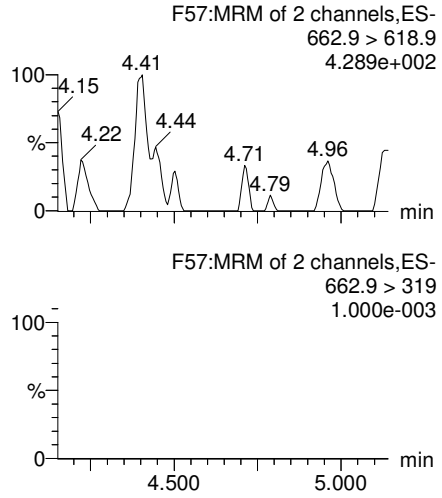
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-25.qld

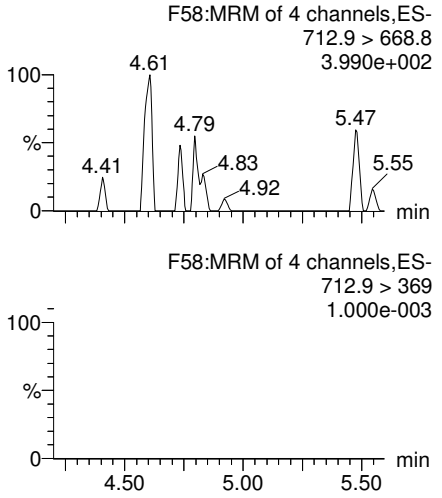
Last Altered: Tuesday, October 24, 2017 10:56:11 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:58:57 Pacific Daylight Time

Name: 171016M4_25, Date: 16-Oct-2017, Time: 17:54:24, ID: 1701432-03 EB03_20171003 0.125, Description: EB03_20171003

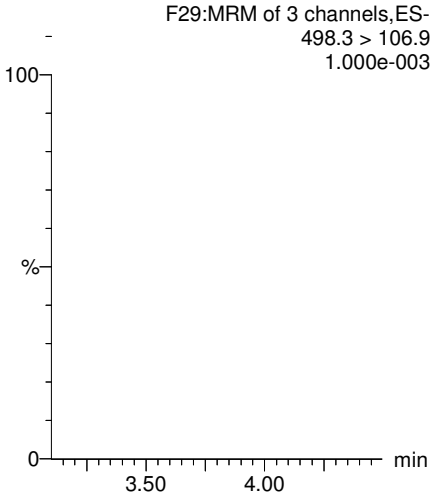
PFTrDA



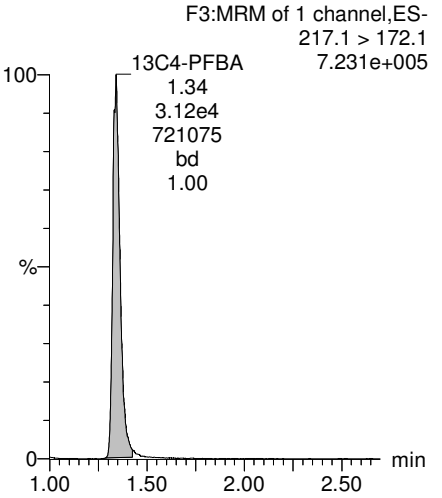
PFTeDA



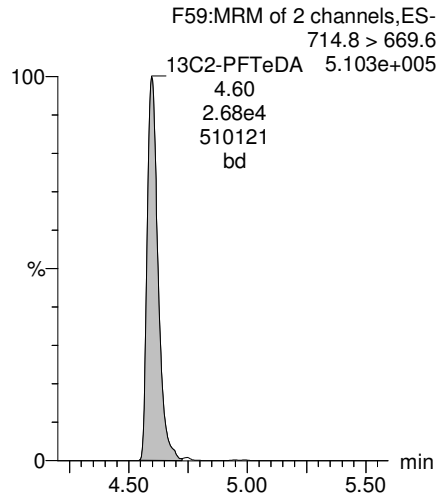
TCDA



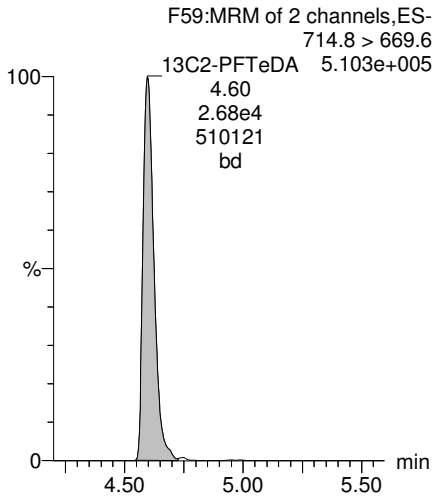
13C4-PFBA



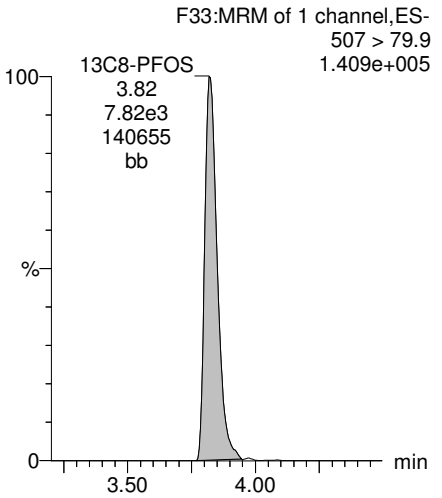
13C2-PFTeDA



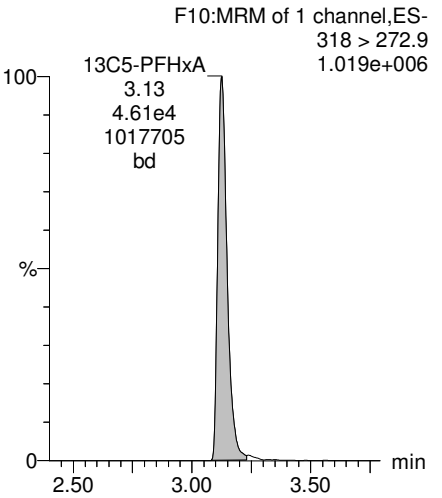
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/23/17

Vista Analytical Laboratory

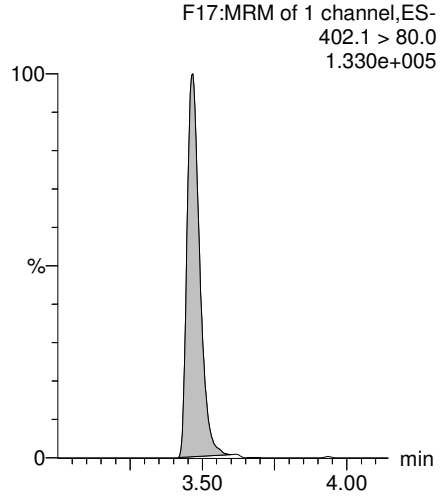
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-25.qld

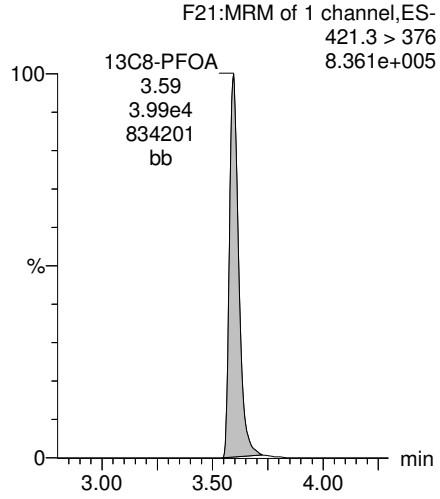
Last Altered: Tuesday, October 24, 2017 10:56:11 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 10:58:57 Pacific Daylight Time

Name: 171016M4_25, Date: 16-Oct-2017, Time: 17:54:24, ID: 1701432-03 EB03_20171003 0.125, Description: EB03_20171003

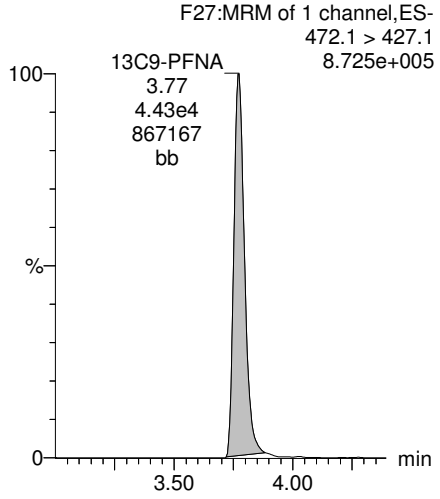
13C3-PFHxS



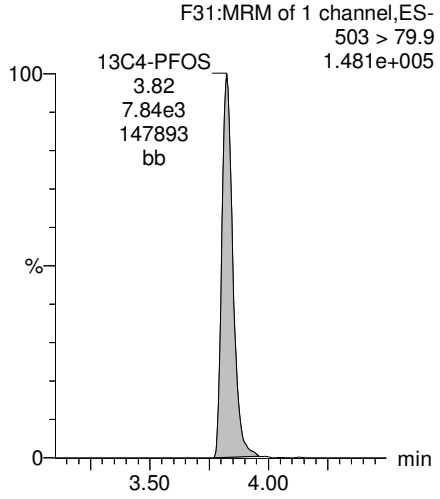
13C8-PFOA



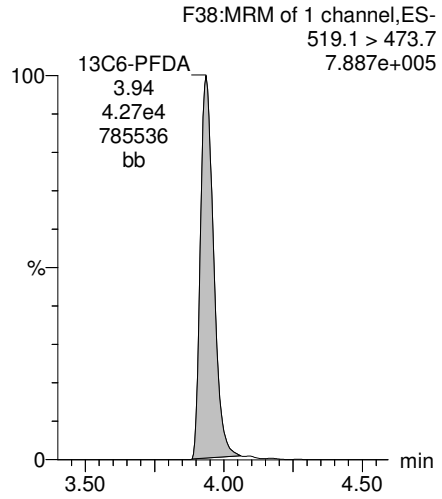
13C9-PFNA



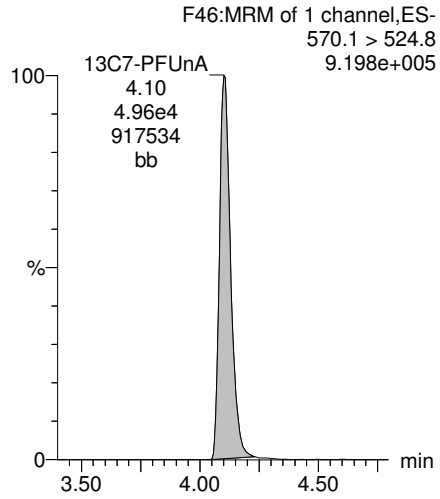
13C4-PFOS



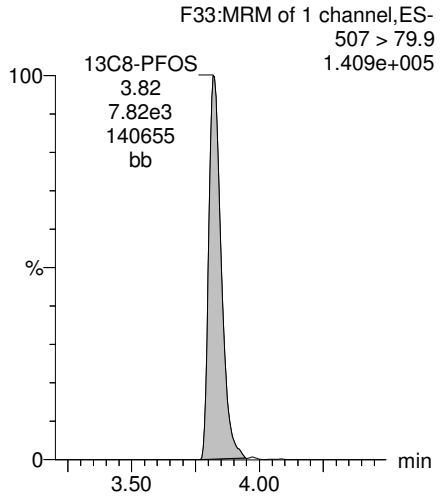
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/23/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-26.qld

Last Altered: Tuesday, October 24, 2017 11:02:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:03:44 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_26, Date: 16-Oct-2017, Time: 18:05:03, ID: 1701432-04 EB04_20171003 0.125, Description: EB04_20171003

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1		2.97e4	0.115		1.32				
2	2	PFPeA	263.1 > 219.1		3.57e4	0.115		2.91				
3	3	PFBS	299.1 > 79.9		8.68e3	0.115		3.09				
4	4	PFHxA	313.2 > 268.9		1.30e4	0.115		3.31				
5	5	PFHpA	363.1 > 319.1		5.87e4	0.115		3.56				
6	6	L-PFHxS	399.0 > 80.0	6.75e0	3.44e3	0.115		3.63	3.49	0.0246	2.13	
7	9	L-PFOA	413 > 368.7	1.01e3	4.22e4	0.115		3.77	3.60	0.300		
8	12	PFNA	463.1 > 419.1		3.31e4	0.115		3.96				
9	13	PFOSA	498.1 > 77.8		5.12e3	0.115		3.96				
10	14	L-PFOS	499 > 79.9		8.40e3	0.115		4.01				
11	16	PFDA	513 > 468.8		2.80e4	0.115		4.14				
12	18	N-MeFOSAA	570.1 > 419		7.36e3	0.115		4.17				
13	19	N-EtFOSAA	584.2 > 419		7.70e3	0.115		4.23				
14	20	PFUnA	562.9 > 518.9		3.39e4	0.115		4.31				
15	21	PFDS	598.9 > 80		3.39e4	0.115		4.36				
16	22	PFDoA	613.0 > 569.1		3.31e4	0.115		4.49				
17	24	PFTrDA	662.9 > 618.9		3.31e4	0.115		4.68				

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-26.qld

Last Altered: Tuesday, October 24, 2017 11:02:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:04:14 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_26, Date: 16-Oct-2017, Time: 18:05:03, ID: 1701432-04 EB04_20171003 0.125, Description: EB04_20171003

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		2.83e4	0.115		4.88				
2	31	13C3-PFBA	216.1 > 172.1	2.97e4	3.43e4	0.115	0.956	1.32	1.34	10.8	98.6	90.5
3	32	13C3-PFPeA	266.1 > 222.1	3.57e4	4.83e4	0.115	0.288	2.91	2.63	3.69	112	102.4
4	33	13C3-PFBS	302.1 > 79.9	8.68e3	4.83e4	0.115	0.065	3.09	2.87	0.898	120	109.9
5	34	13C2-PFHxA	315 > 269.8	1.30e4	4.83e4	0.115	0.297	3.31	3.13	1.35	39.6	90.9
6	35	13C4-PFHpA	367 > 322.1	5.87e4	4.83e4	0.115	0.641	3.56	3.40	6.07	82.5	75.7
7	36	18O2-PFHxS	403 > 103.0	3.44e3	8.00e3	0.115	0.519	3.63	3.47	5.38	90.2	82.8
8	37	13C2-6:2 FTS	429.1 > 408.9	6.89e3	4.37e4	0.115	0.177	3.76	3.59	1.97	96.9	88.9
9	38	13C2-PFOA	414.9 > 369.7	4.22e4	4.37e4	0.115	1.147	3.77	3.60	12.1	91.7	84.2
10	39	13C5-PFNA	468.1 > 423.1	3.31e4	4.79e4	0.115	0.939	3.96	3.77	8.64	80.2	73.6
11	40	13C8-PFOSA	506.1 > 78.0	5.12e3	5.18e4	0.115	0.177	3.96	3.78	1.24	60.8	55.8
12	41	13C8-PFOS	507 > 79.9	8.40e3	8.82e3	0.115	1.067	4.01	3.83	11.9	97.3	89.3
13	42	13C2-PFDA	515.1 > 469.9	2.80e4	4.70e4	0.115	0.835	4.14	3.94	7.46	77.9	71.5
14	43	13C2-8:2 FTS	529.1 > 508.7	4.12e3	4.70e4	0.115	0.118	4.14	3.94	1.10	81.3	74.6
15	44	d3-N-MeFOSAA	573.3 > 419	7.36e3	5.18e4	0.115	0.013	4.17	3.97	1.78	1170	82.8
16	45	d5-N-EtFOSAA	589.3 > 419	7.70e3	5.18e4	0.115	0.015	4.23	4.04	1.86	1050	74.5
17	46	13C2-PFUnA	565 > 519.8	3.39e4	5.18e4	0.115	1.017	4.31	4.11	8.18	70.1	64.3
18	47	13C2-PFDoA	615.1 > 570.1	3.31e4	5.18e4	0.115	0.984	4.49	4.27	7.99	70.8	65.0
19	49	13C2-PFTeDA	714.8 > 669.6	2.83e4	5.18e4	0.115	0.618	4.88	4.61	6.84	96.5	88.5
20	54	13C4-PFBA	217.1 > 172.1	3.43e4	3.43e4	0.115	1.000	1.32	1.34	12.5	109	100.0
21	55	13C5-PFHxA	318 > 272.9	4.83e4	4.83e4	0.115	1.000	3.31	3.13	5.00	43.6	100.0
22	56	13C3-PFHxS	402.1 > 80.0	8.00e3	8.00e3	0.115	1.000	3.63	3.47	12.5	109	100.0
23	57	13C8-PFOA	421.3 > 376	4.37e4	4.37e4	0.115	1.000	3.77	3.60	12.5	109	100.0
24	58	13C9-PFNA	472.1 > 427.1	4.79e4	4.79e4	0.115	1.000	3.96	3.77	12.5	109	100.0
25	59	13C4-PFOS	503 > 79.9	8.82e3	8.82e3	0.115	1.000	4.01	3.83	12.5	109	100.0
26	60	13C6-PFDA	519.1 > 473.7	4.70e4	4.70e4	0.115	1.000	4.14	3.94	12.5	109	100.0
27	61	13C7-PFUnA	570.1 > 524.8	5.18e4	5.18e4	0.115	1.000	4.31	4.11	12.5	109	100.0
28	62	Total PFHxS	399.0 > 80.0	6.75e0	3.44e3	0.115		3.63		0.0246	2.13	
29	63	Total PFOA	413 > 368.7	1.01e3	4.22e4	0.115		3.77		0.000		
30	64	Total PFOS	499 > 79.9	0.00e0	8.40e3	0.115		4.01		0.000		
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	7.36e3	0.115		4.17		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	7.70e3	0.115		4.23		0.000		

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

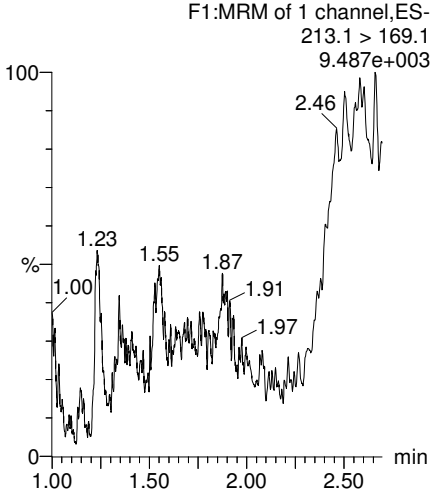
Dataset: U:\Q4.PRO\results\171016M4\171016M4-26.qld

Last Altered: Tuesday, October 24, 2017 11:02:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:03:44 Pacific Daylight Time

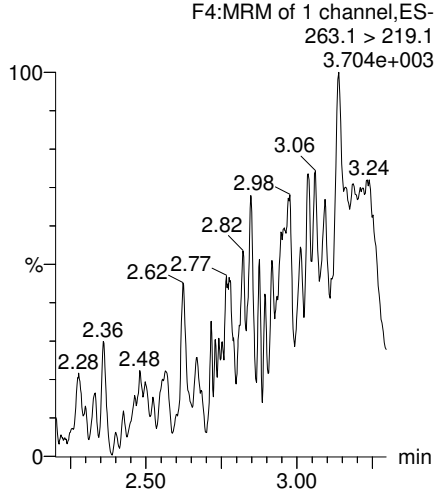
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_26, Date: 16-Oct-2017, Time: 18:05:03, ID: 1701432-04 EB04_20171003 0.125, Description: EB04_20171003

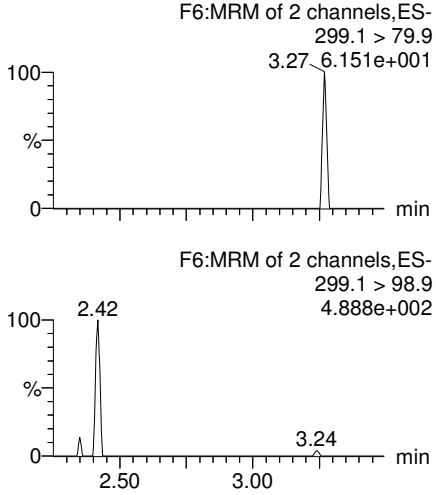
PFBA



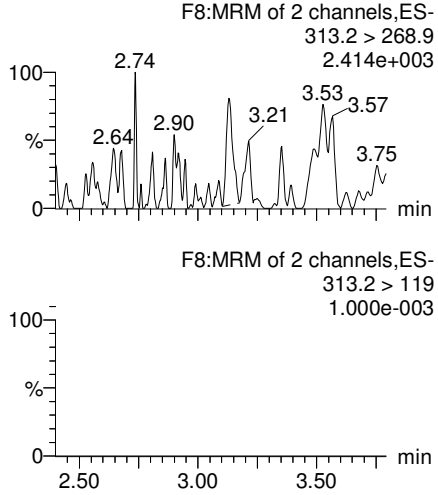
PFPeA



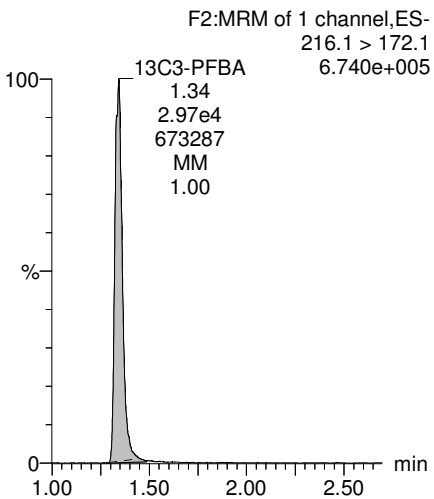
PFBS



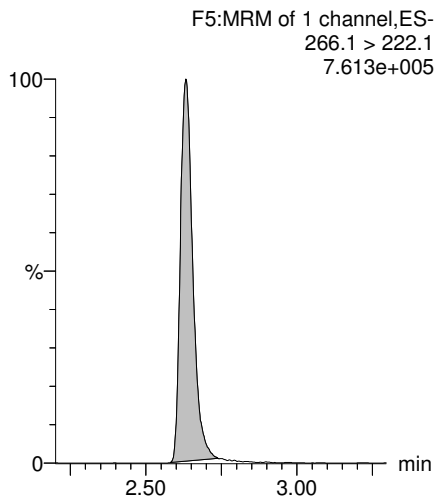
PFHxA



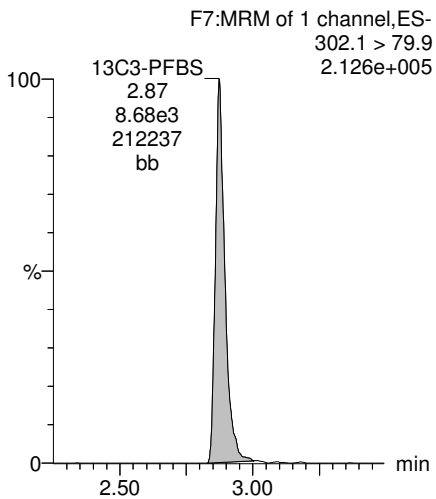
13C3-PFBA



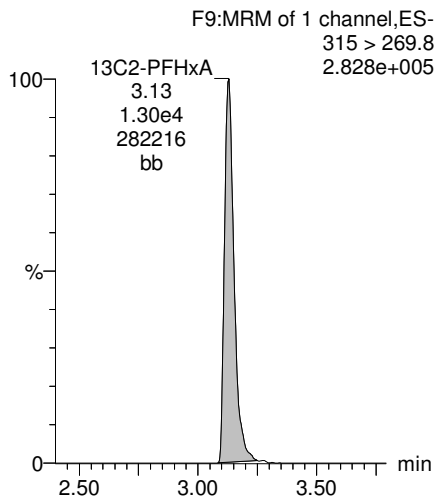
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/24/17

Vista Analytical Laboratory

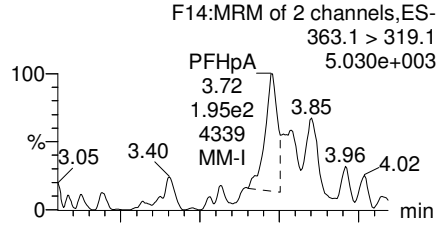
Rev'd: MM 10/27/17

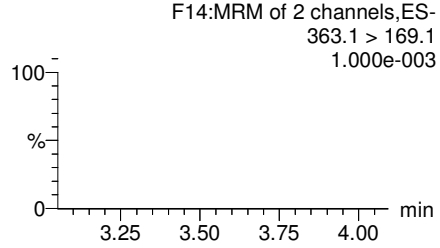
Dataset: U:\Q4.PRO\results\171016M4\171016M4-26.qld

Last Altered: Tuesday, October 24, 2017 11:02:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:03:44 Pacific Daylight Time

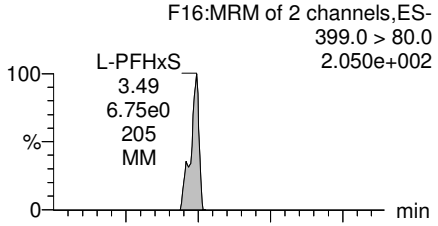
Name: 171016M4_26, Date: 16-Oct-2017, Time: 18:05:03, ID: 1701432-04 EB04_20171003 0.125, Description: EB04_20171003

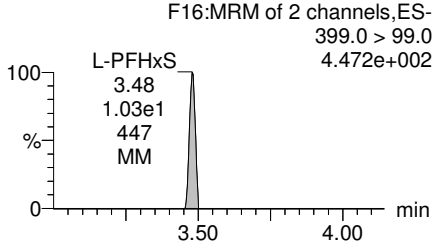
PFHpA



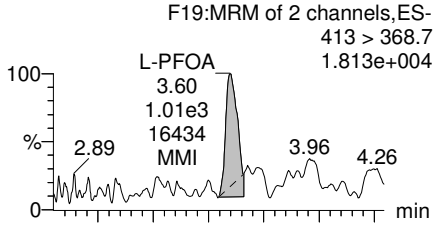


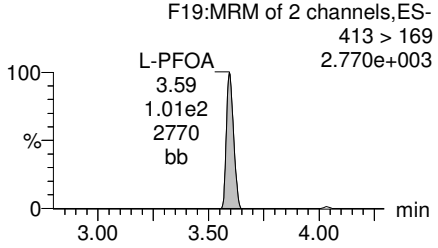
Total PFHxS



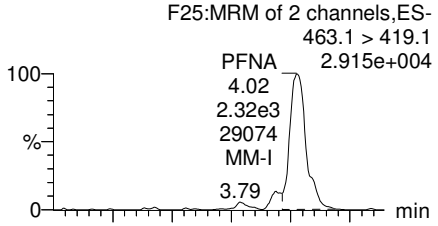


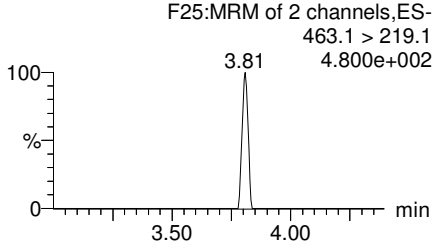
Total PFOA



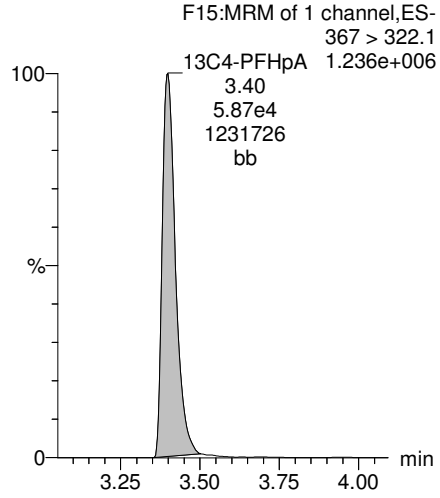


PFNA

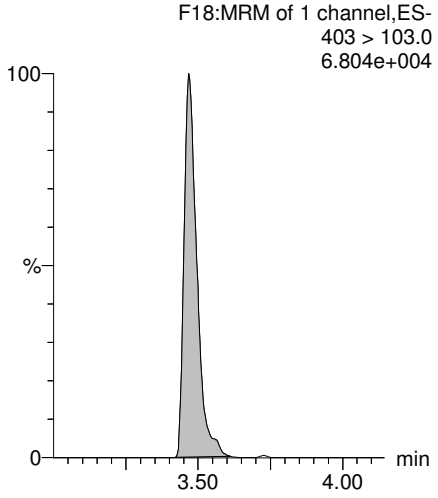




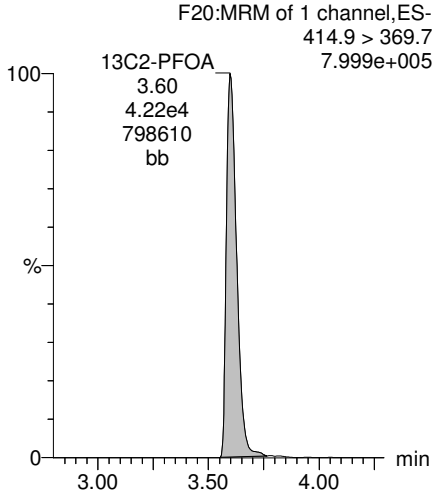
13C4-PFHpA



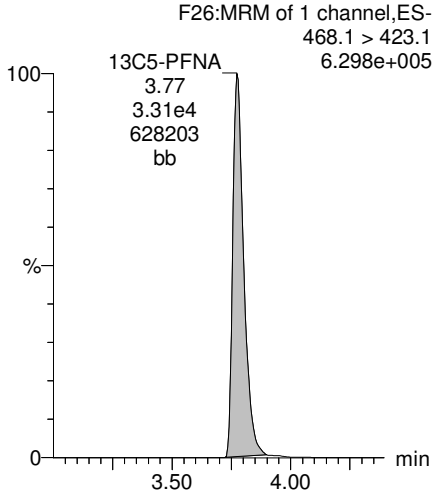
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/24/17

Vista Analytical Laboratory

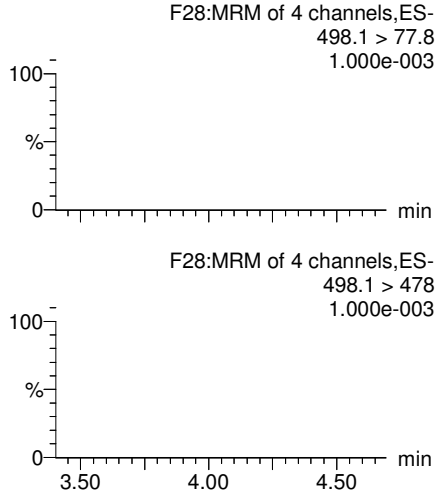
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-26.qld

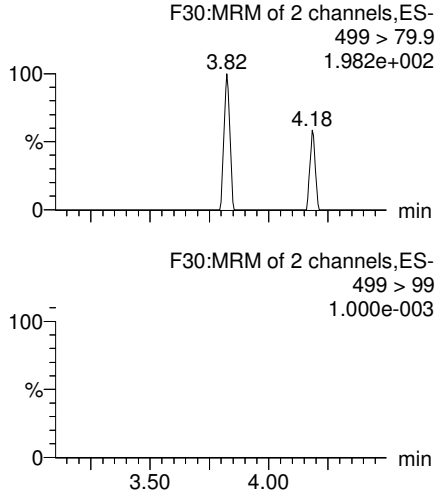
Last Altered: Tuesday, October 24, 2017 11:02:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:03:44 Pacific Daylight Time

Name: 171016M4_26, Date: 16-Oct-2017, Time: 18:05:03, ID: 1701432-04 EB04_20171003 0.125, Description: EB04_20171003

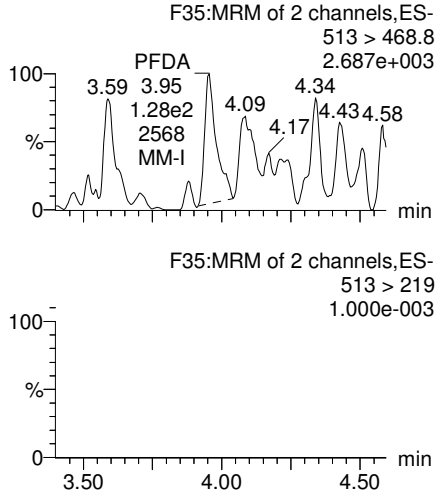
PFOSA



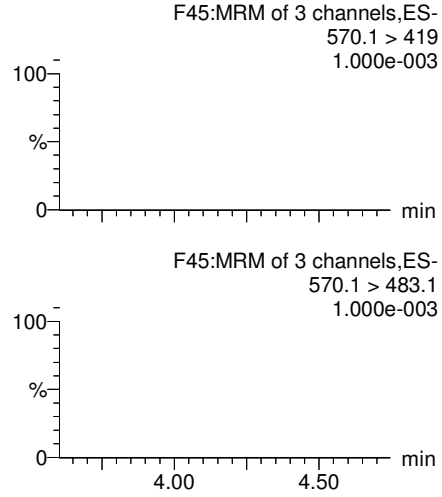
Total PFOS



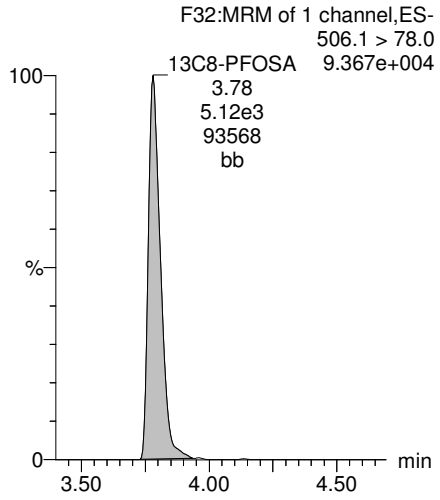
PFDA



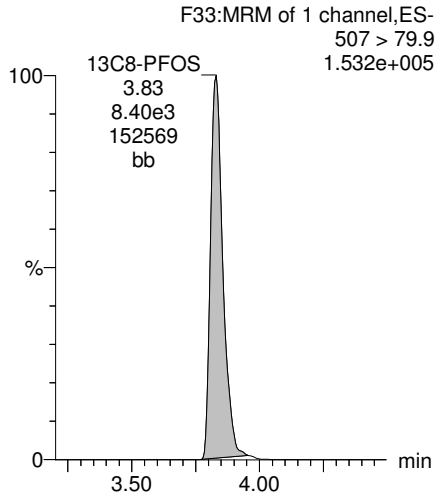
N-MeFOSAA



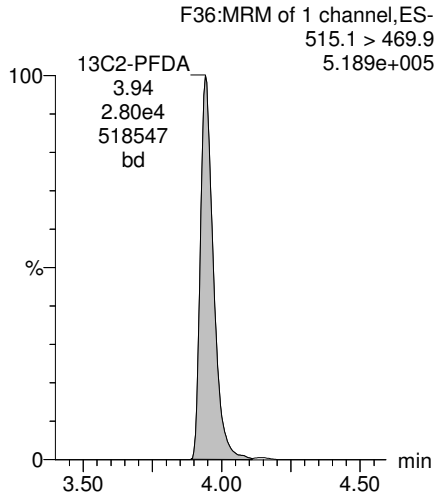
13C8-PFOSA



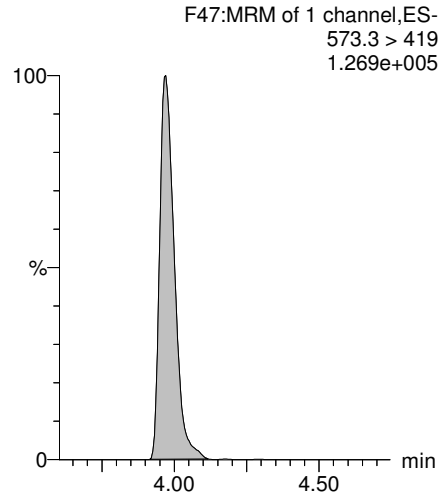
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/24/17

Vista Analytical Laboratory

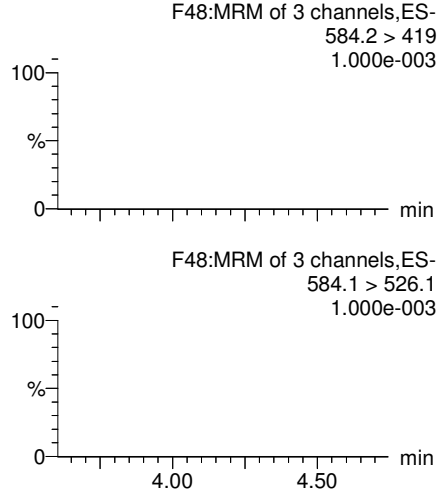
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-26.qld

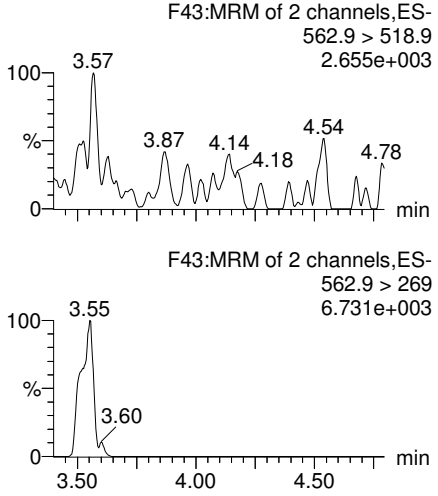
Last Altered: Tuesday, October 24, 2017 11:02:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:03:44 Pacific Daylight Time

Name: 171016M4_26, Date: 16-Oct-2017, Time: 18:05:03, ID: 1701432-04 EB04_20171003 0.125, Description: EB04_20171003

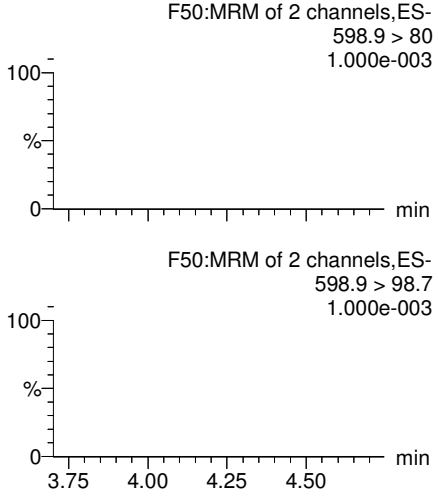
N-EtFOSAA



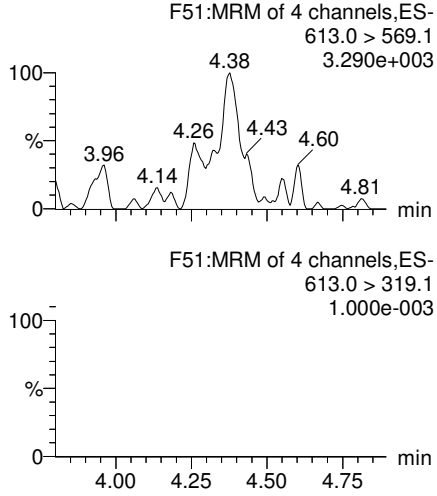
PFUnA



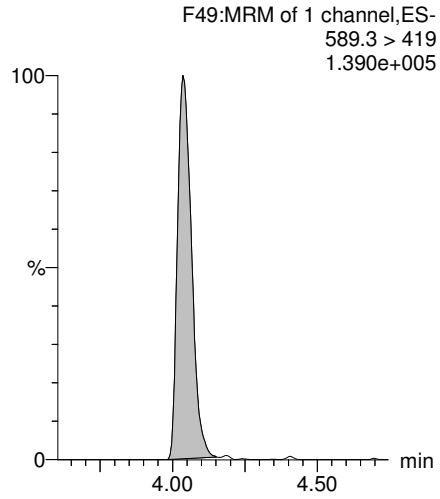
PFDS



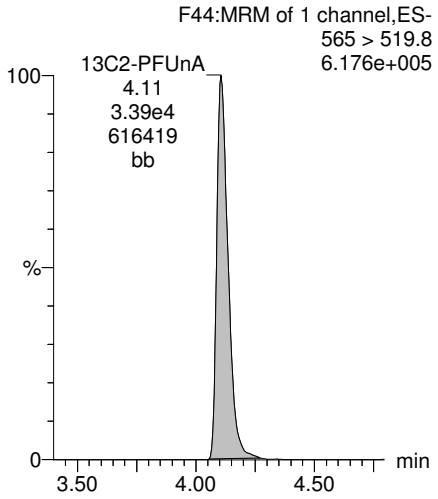
PFDoA



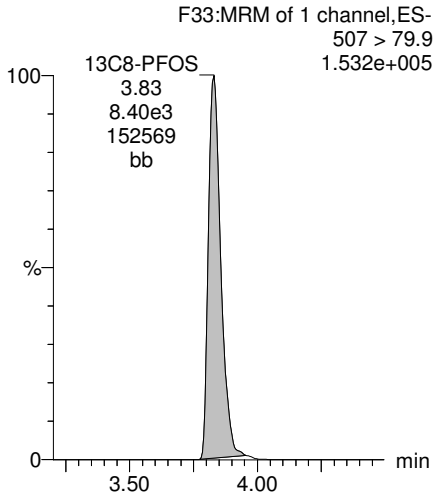
d5-N-EtFOSAA



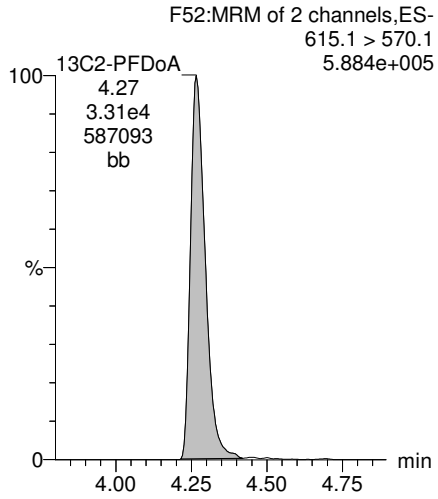
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/24/17

Vista Analytical Laboratory

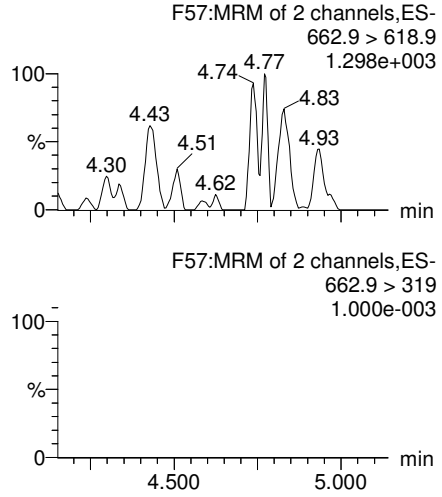
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-26.qld

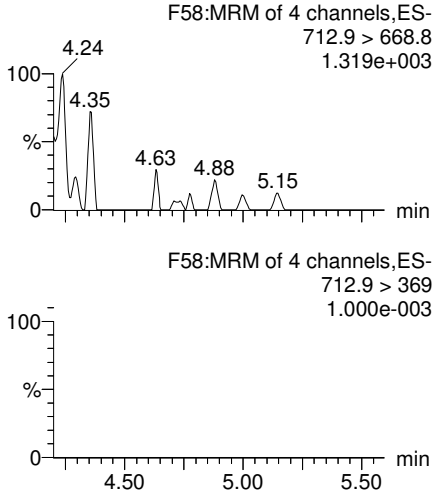
Last Altered: Tuesday, October 24, 2017 11:02:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:03:44 Pacific Daylight Time

Name: 171016M4_26, Date: 16-Oct-2017, Time: 18:05:03, ID: 1701432-04 EB04_20171003 0.125, Description: EB04_20171003

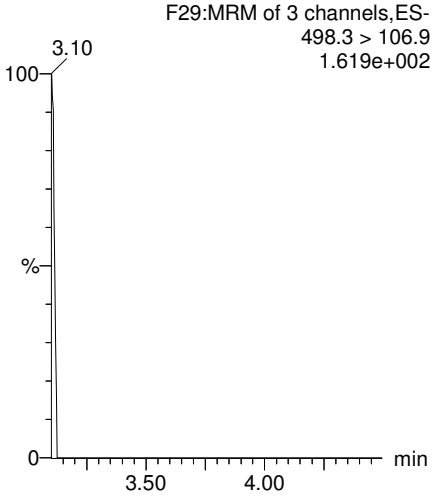
PFTrDA



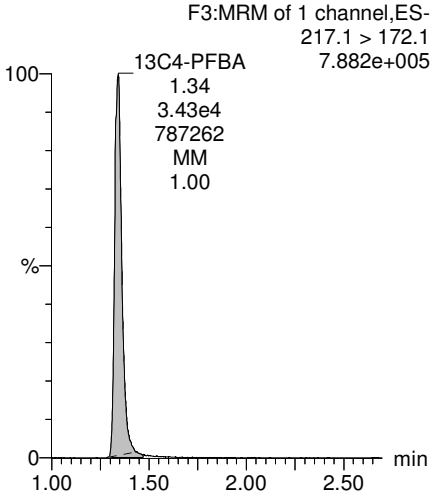
PFTeDA



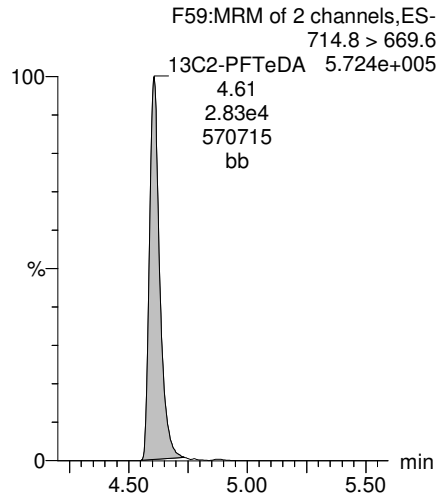
TCDA



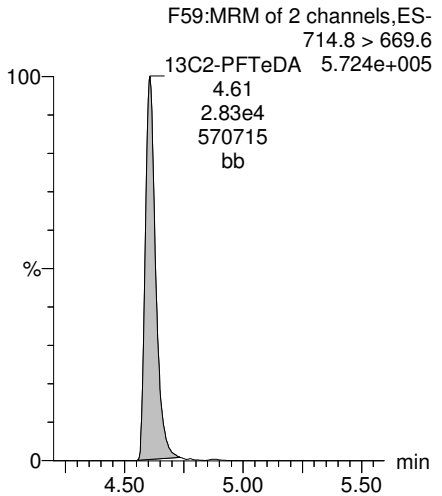
13C4-PFBA



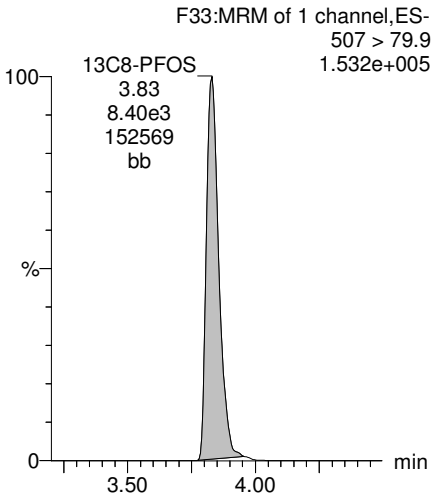
13C2-PFTeDA



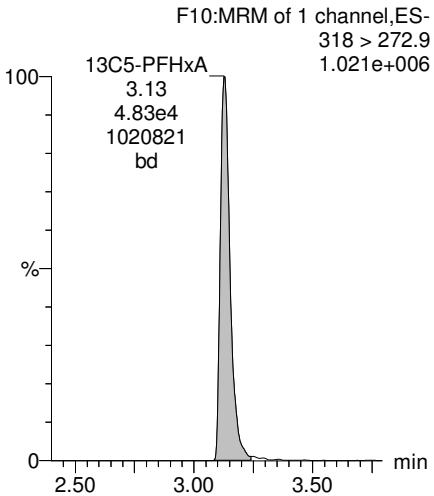
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

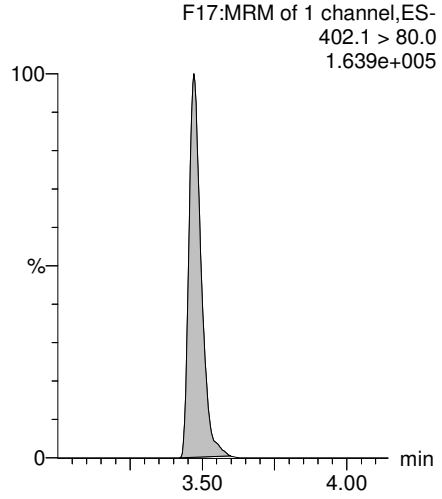
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-26.qld

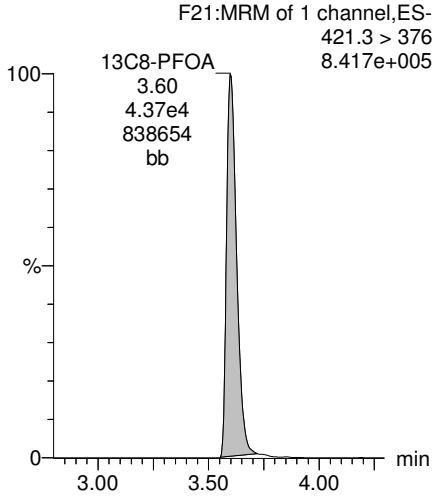
Last Altered: Tuesday, October 24, 2017 11:02:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:03:44 Pacific Daylight Time

Name: 171016M4_26, Date: 16-Oct-2017, Time: 18:05:03, ID: 1701432-04 EB04_20171003 0.125, Description: EB04_20171003

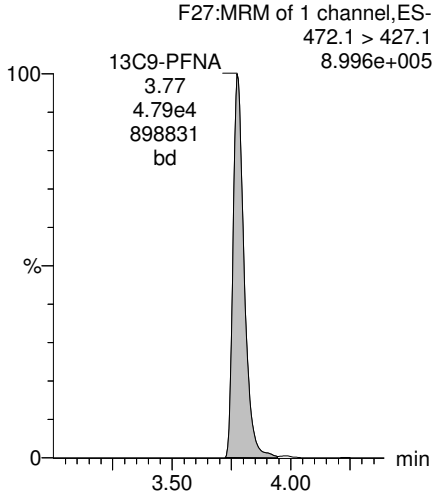
13C3-PFHxS



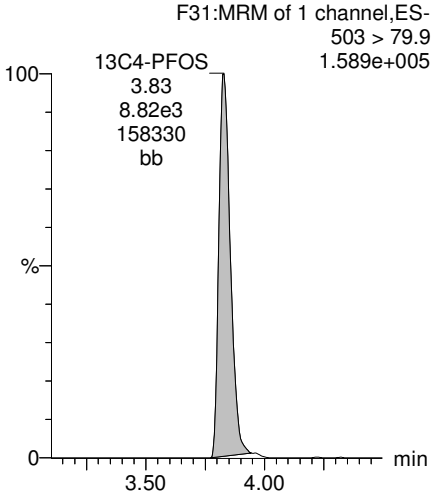
13C8-PFOA



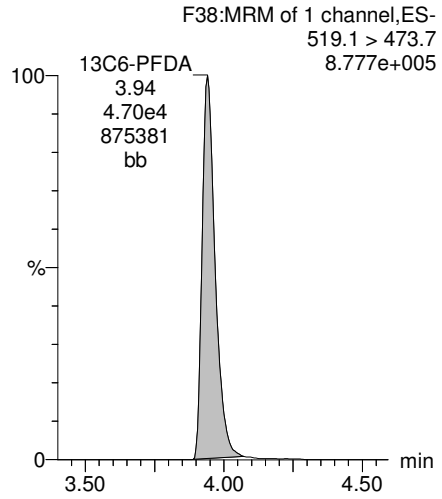
13C9-PFNA



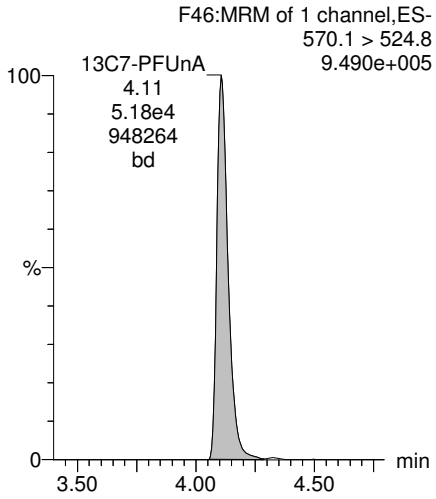
13C4-PFOS



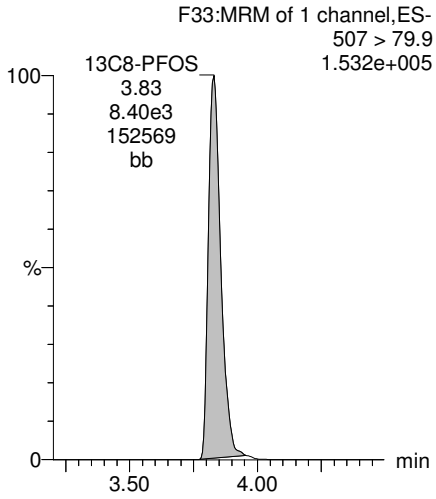
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-27.qld

Last Altered: Tuesday, October 24, 2017 11:07:07 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:09:33 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_27, Date: 16-Oct-2017, Time: 18:15:41, ID: 1701432-05 EB05_20171004 0.125, Description: EB05_20171004

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1		3.02e4	0.119		1.32				
2	2	PFPeA	263.1 > 219.1		3.73e4	0.119		2.91				
3	3	PFBS	299.1 > 79.9		8.91e3	0.119		3.09				
4	4	PFHxA	313.2 > 268.9		1.34e4	0.119		3.31				
5	5	PFHpA	363.1 > 319.1		5.54e4	0.119		3.56				
6	6	L-PFHxS	399.0 > 80.0	5.19e0	3.39e3	0.119		3.63	3.48	0.0191	2.03	
7	9	L-PFOA	413 > 368.7	7.37e2	3.91e4	0.119		3.77	3.60	0.236		
8	12	PFNA	463.1 > 419.1		3.43e4	0.119		3.96				
9	13	PFOSA	498.1 > 77.8		4.52e3	0.119		3.96				
10	14	L-PFOS	499 > 79.9		8.57e3	0.119		4.01				
11	16	PFDA	513 > 468.8		2.78e4	0.119		4.14				
12	18	N-MeFOSAA	570.1 > 419		7.17e3	0.119		4.17				
13	19	N-EtFOSAA	584.2 > 419		8.17e3	0.119		4.23				
14	20	PFUnA	562.9 > 518.9		3.15e4	0.119		4.31				
15	21	PFDS	598.9 > 80		3.15e4	0.119		4.36				
16	22	PFDoA	613.0 > 569.1		3.21e4	0.119		4.49				
17	24	PFTrDA	662.9 > 618.9		3.21e4	0.119		4.68				

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-27.qld

Last Altered: Tuesday, October 24, 2017 11:07:07 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:09:47 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_27, Date: 16-Oct-2017, Time: 18:15:41, ID: 1701432-05 EB05_20171004 0.125, Description: EB05_20171004

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		2.84e4	0.119		4.88				
2	31	13C3-PFBA	216.1 > 172.1	3.02e4	3.38e4	0.119	0.956	1.32	1.34	11.2	98.2	93.7
3	32	13C3-PFPeA	266.1 > 222.1	3.73e4	4.88e4	0.119	0.288	2.91	2.63	3.83	111	106.1
4	33	13C3-PFBS	302.1 > 79.9	8.91e3	4.88e4	0.119	0.065	3.09	2.87	0.913	117	111.8
5	34	13C2-PFHxA	315 > 269.8	1.34e4	4.88e4	0.119	0.297	3.31	3.13	1.37	38.8	92.6
6	35	13C4-PFHpA	367 > 322.1	5.54e4	4.88e4	0.119	0.641	3.56	3.39	5.68	74.3	70.9
7	36	18O2-PFHxS	403 > 103.0	3.39e3	7.62e3	0.119	0.519	3.63	3.47	5.55	89.8	85.6
8	37	13C2-6:2 FTS	429.1 > 408.9	6.90e3	4.62e4	0.119	0.177	3.76	3.59	1.87	88.5	84.4
9	38	13C2-PFOA	414.9 > 369.7	3.91e4	4.62e4	0.119	1.147	3.77	3.60	10.6	77.4	73.8
10	39	13C5-PFNA	468.1 > 423.1	3.43e4	5.49e4	0.119	0.939	3.96	3.78	7.80	69.7	66.5
11	40	13C8-PFOSA	506.1 > 78.0	4.52e3	5.58e4	0.119	0.177	3.96	3.78	1.01	47.9	45.7
12	41	13C8-PFOS	507 > 79.9	8.57e3	8.99e3	0.119	1.067	4.01	3.83	11.9	93.7	89.4
13	42	13C2-PFDA	515.1 > 469.9	2.78e4	4.46e4	0.119	0.835	4.14	3.94	7.79	78.3	74.7
14	43	13C2-8:2 FTS	529.1 > 508.7	4.53e3	4.46e4	0.119	0.118	4.14	3.94	1.27	90.5	86.3
15	44	d3-N-MeFOSAA	573.3 > 419	7.17e3	5.58e4	0.119	0.013	4.17	3.97	1.61	1020	75.0
16	45	d5-N-EtFOSAA	589.3 > 419	8.17e3	5.58e4	0.119	0.015	4.23	4.04	1.83	1000	73.4
17	46	13C2-PFUnA	565 > 519.8	3.15e4	5.58e4	0.119	1.017	4.31	4.11	7.06	58.3	55.6
18	47	13C2-PFDoA	615.1 > 570.1	3.21e4	5.58e4	0.119	0.984	4.49	4.26	7.19	61.3	58.4
19	49	13C2-PFTeDA	714.8 > 669.6	2.84e4	5.58e4	0.119	0.618	4.88	4.61	6.36	86.3	82.3
20	54	13C4-PFBA	217.1 > 172.1	3.38e4	3.38e4	0.119	1.000	1.32	1.34	12.5	105	100.0
21	55	13C5-PFHxA	318 > 272.9	4.88e4	4.88e4	0.119	1.000	3.31	3.13	5.00	41.9	100.0
22	56	13C3-PFHxS	402.1 > 80.0	7.62e3	7.62e3	0.119	1.000	3.63	3.47	12.5	105	100.0
23	57	13C8-PFOA	421.3 > 376	4.62e4	4.62e4	0.119	1.000	3.77	3.60	12.5	105	100.0
24	58	13C9-PFNA	472.1 > 427.1	5.49e4	5.49e4	0.119	1.000	3.96	3.77	12.5	105	100.0
25	59	13C4-PFOS	503 > 79.9	8.99e3	8.99e3	0.119	1.000	4.01	3.83	12.5	105	100.0
26	60	13C6-PFDA	519.1 > 473.7	4.46e4	4.46e4	0.119	1.000	4.14	3.94	12.5	105	100.0
27	61	13C7-PFUnA	570.1 > 524.8	5.58e4	5.58e4	0.119	1.000	4.31	4.11	12.5	105	100.0
28	62	Total PFHxS	399.0 > 80.0	5.19e0	3.39e3	0.119		3.63		0.0191	2.03	
29	63	Total PFOA	413 > 368.7	7.37e2	3.91e4	0.119		3.77		0.000		
30	64	Total PFOS	499 > 79.9	0.00e0	8.57e3	0.119		4.01		0.000		
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	7.17e3	0.119		4.17		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	8.17e3	0.119		4.23		0.000		

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

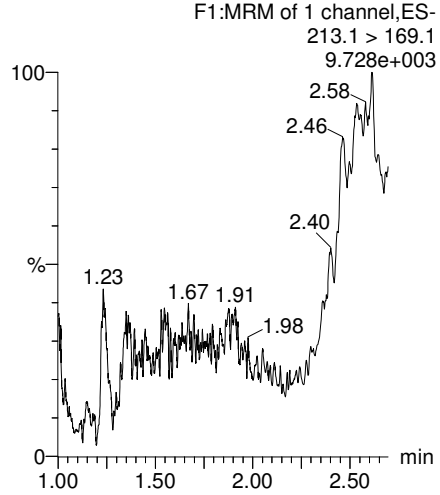
Dataset: U:\Q4.PRO\results\171016M4\171016M4-27.qld

Last Altered: Tuesday, October 24, 2017 11:07:07 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:09:47 Pacific Daylight Time

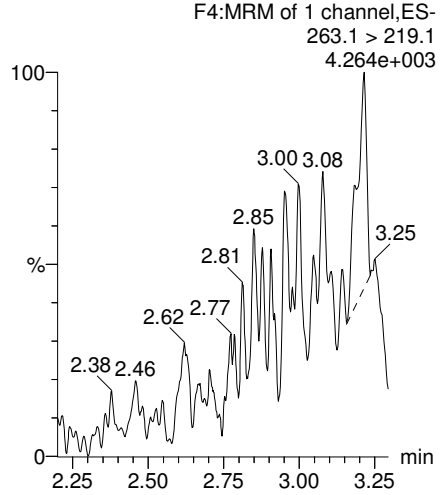
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_27, Date: 16-Oct-2017, Time: 18:15:41, ID: 1701432-05 EB05_20171004 0.125, Description: EB05_20171004

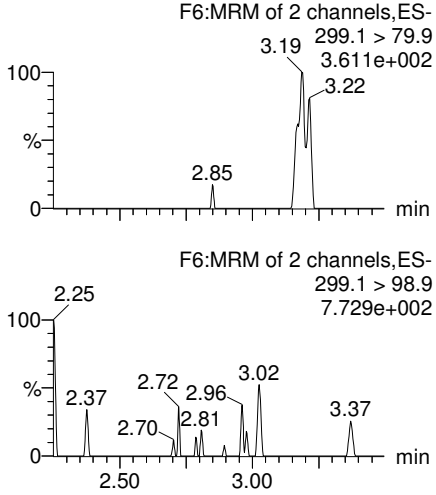
PFBA



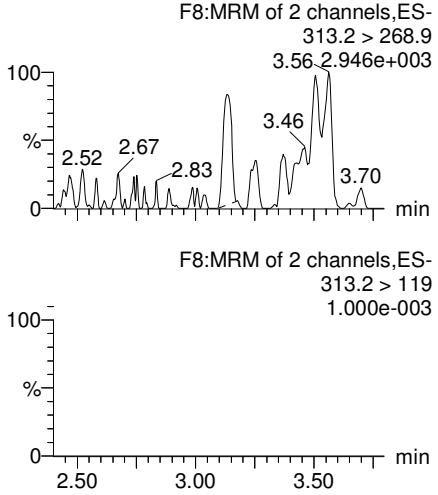
PFPeA



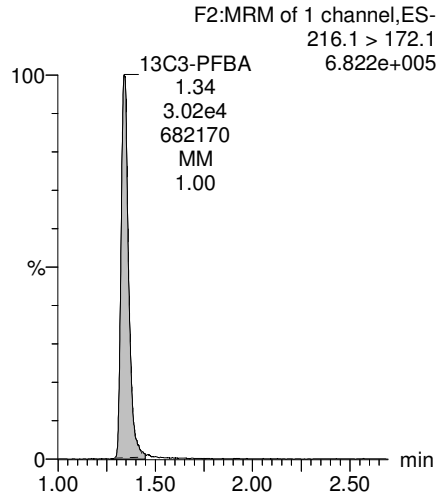
PFBS



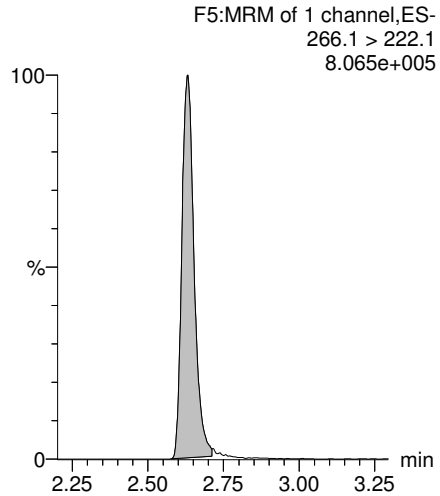
PFHxA



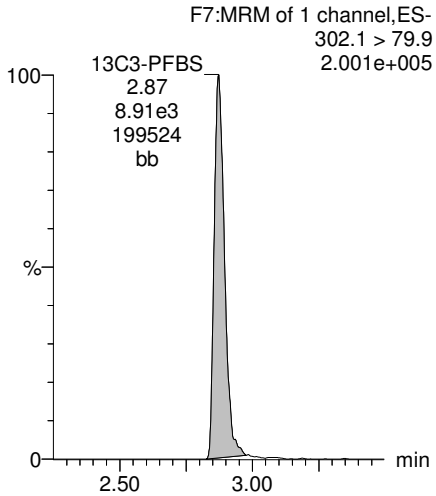
13C3-PFBA



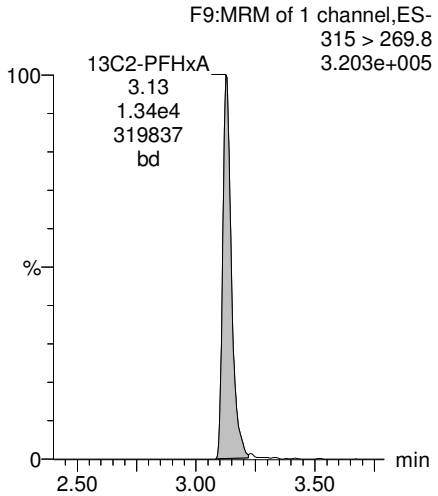
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/24/17

Vista Analytical Laboratory

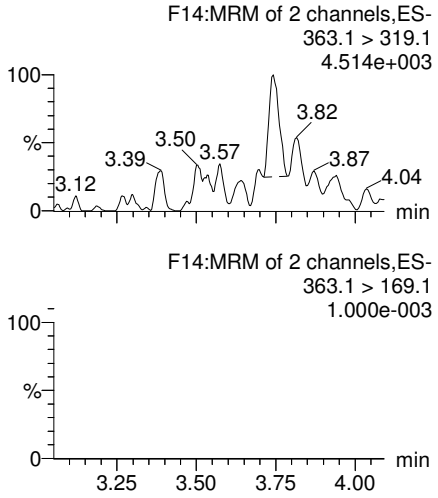
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-27.qld

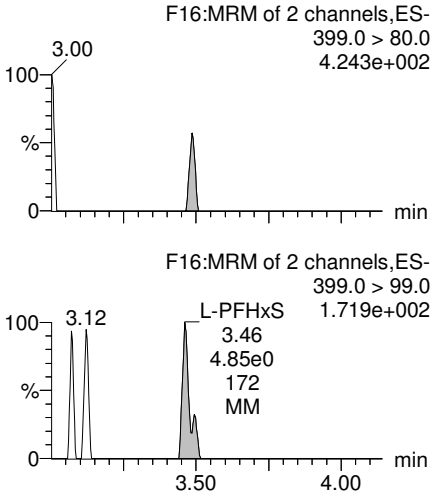
Last Altered: Tuesday, October 24, 2017 11:07:07 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:09:47 Pacific Daylight Time

Name: 171016M4_27, Date: 16-Oct-2017, Time: 18:15:41, ID: 1701432-05 EB05_20171004 0.125, Description: EB05_20171004

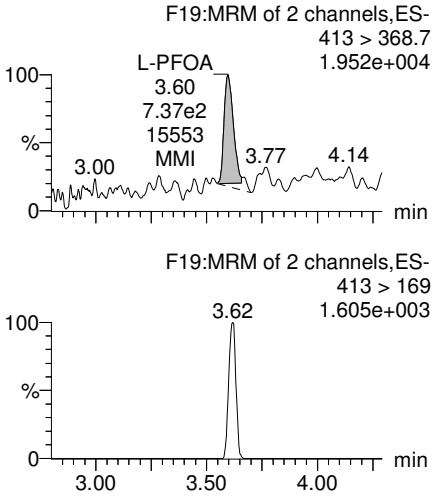
PFHpA



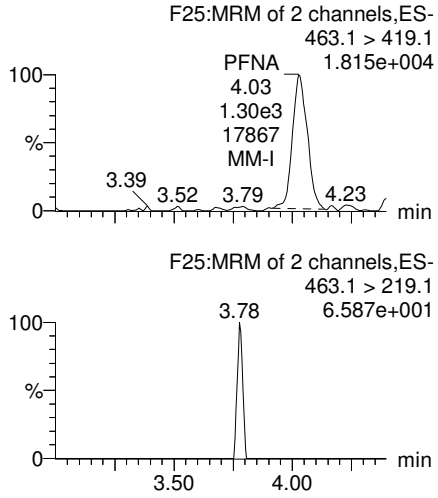
Total PFHxS



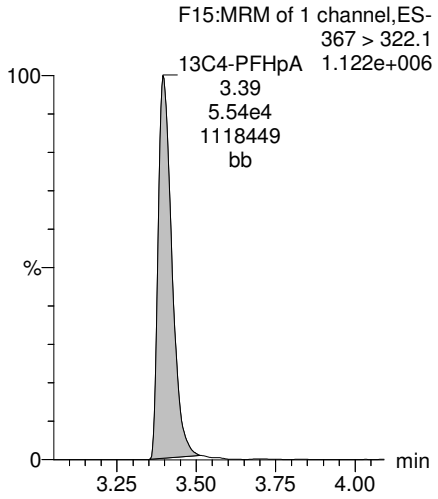
Total PFOA



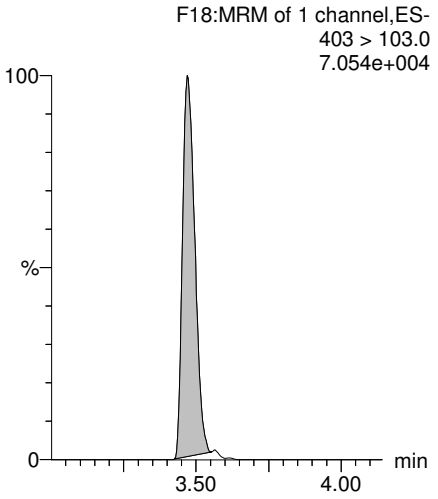
PFNA



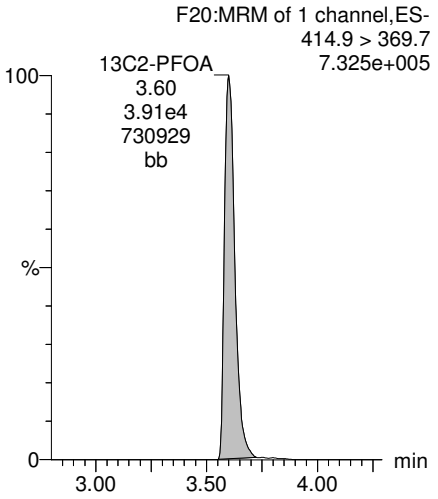
13C4-PFHpA



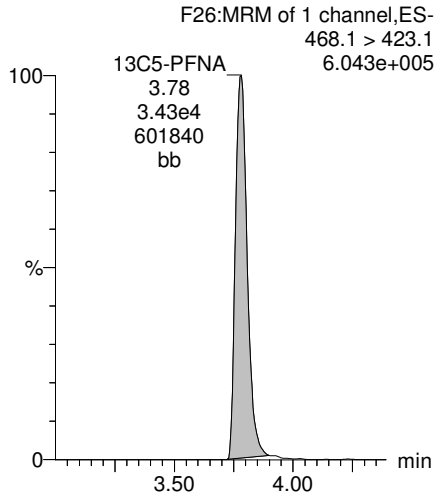
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/24/17

Vista Analytical Laboratory

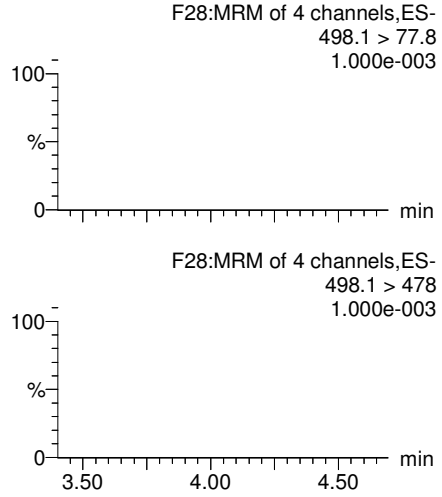
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-27.qld

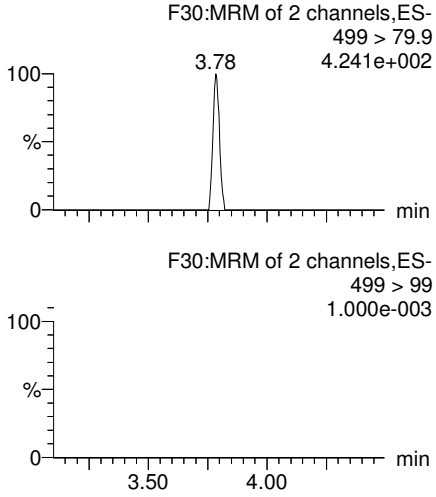
Last Altered: Tuesday, October 24, 2017 11:07:07 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:09:47 Pacific Daylight Time

Name: 171016M4_27, Date: 16-Oct-2017, Time: 18:15:41, ID: 1701432-05 EB05_20171004 0.125, Description: EB05_20171004

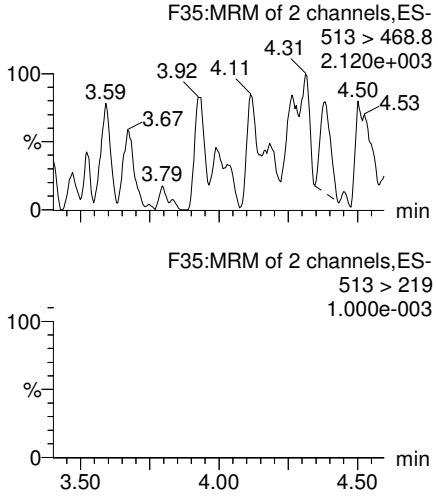
PFOSA



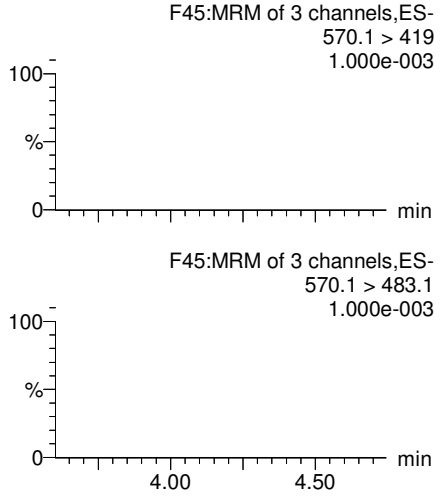
Total PFOS



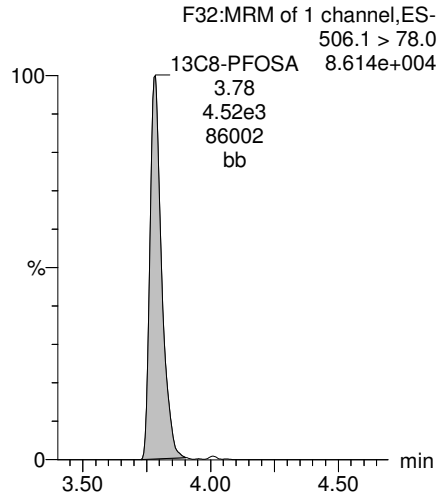
PFDA



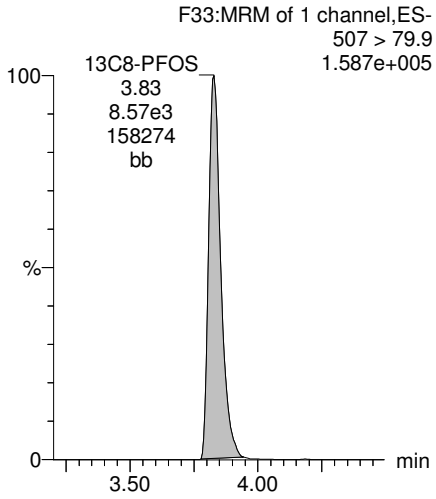
N-MeFOSAA



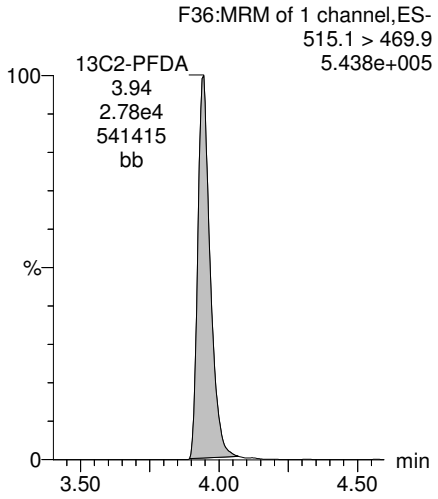
13C8-PFOSA



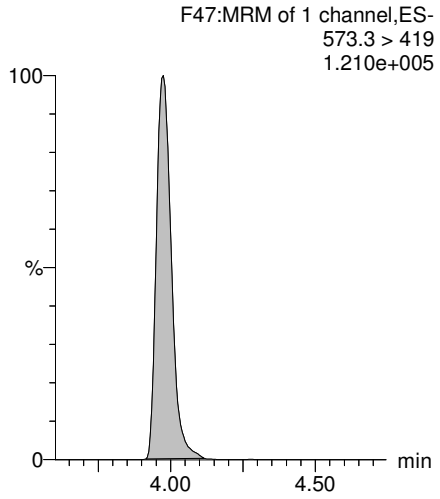
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/24/17

Vista Analytical Laboratory

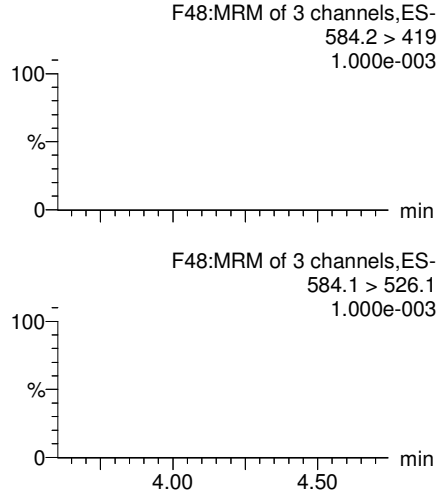
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-27.qld

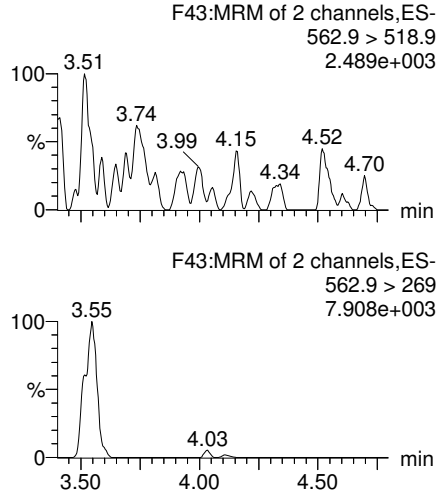
Last Altered: Tuesday, October 24, 2017 11:07:07 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:09:47 Pacific Daylight Time

Name: 171016M4_27, Date: 16-Oct-2017, Time: 18:15:41, ID: 1701432-05 EB05_20171004 0.125, Description: EB05_20171004

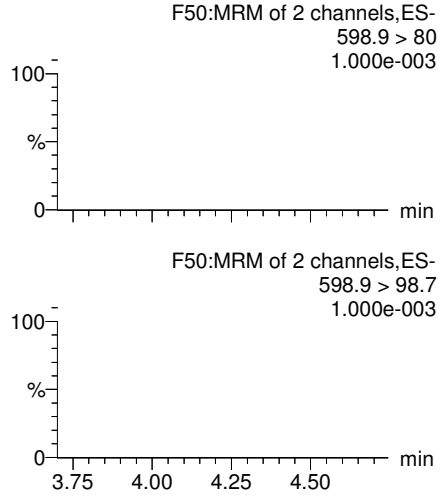
N-EtFOSAA



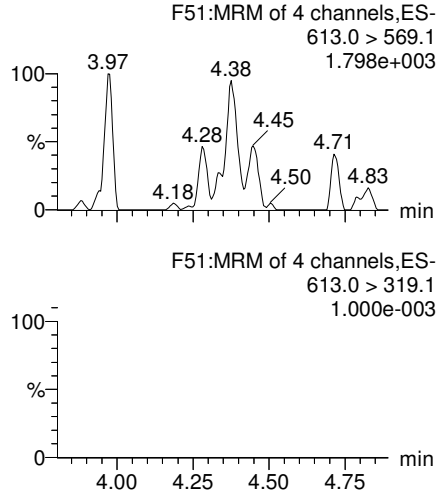
PFUnA



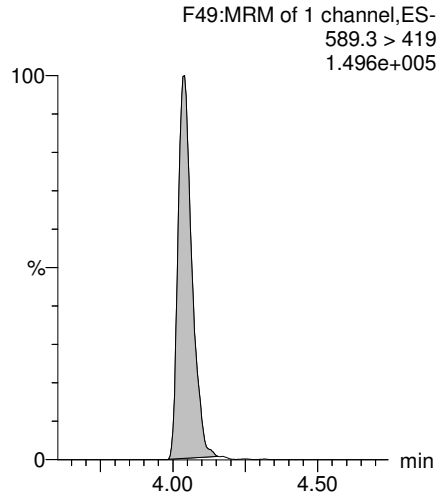
PFDS



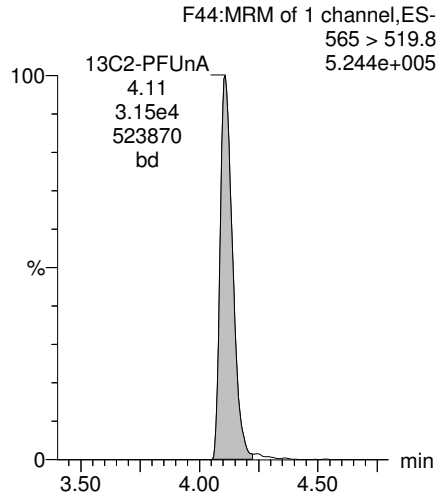
PFDoA



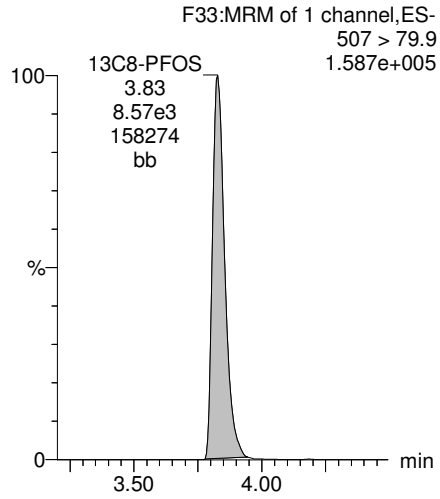
d5-N-EtFOSAA



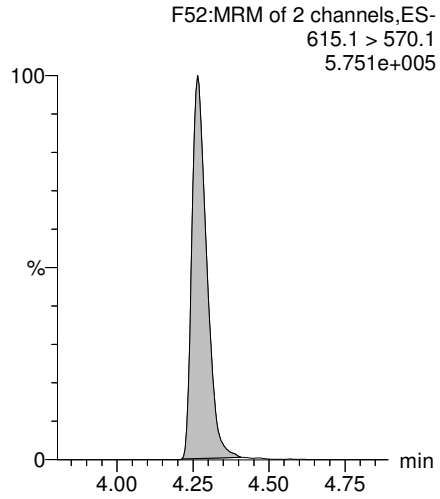
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/24/17

Vista Analytical Laboratory

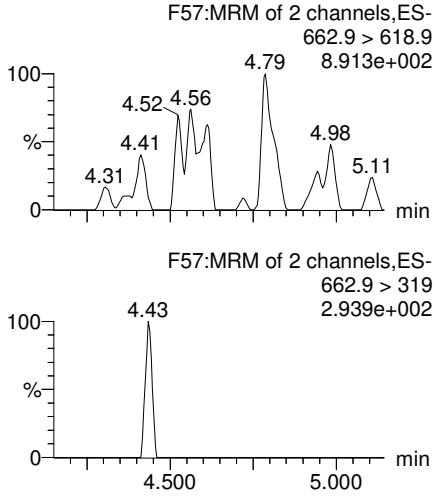
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-27.qld

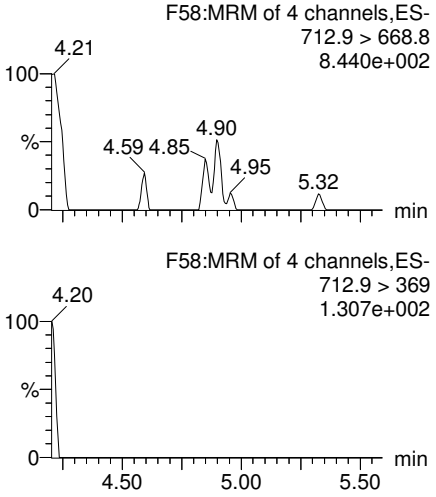
Last Altered: Tuesday, October 24, 2017 11:07:07 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:09:47 Pacific Daylight Time

Name: 171016M4_27, Date: 16-Oct-2017, Time: 18:15:41, ID: 1701432-05 EB05_20171004 0.125, Description: EB05_20171004

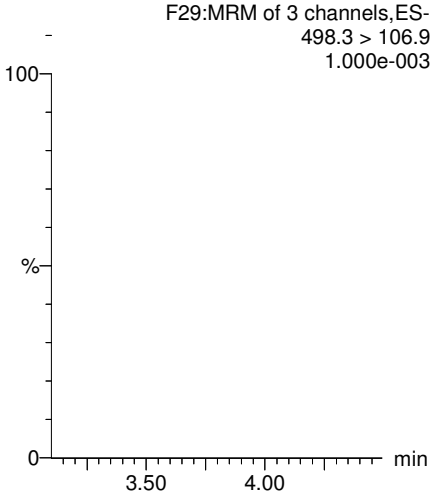
PFTrDA



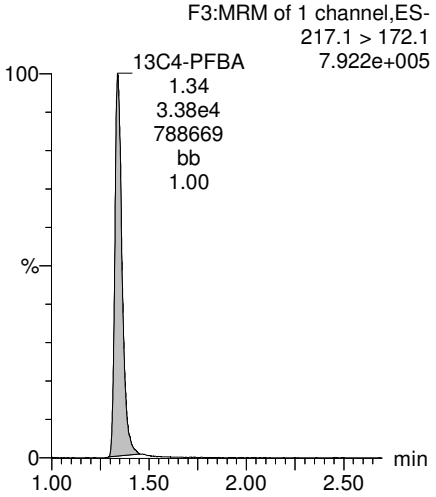
PFTeDA



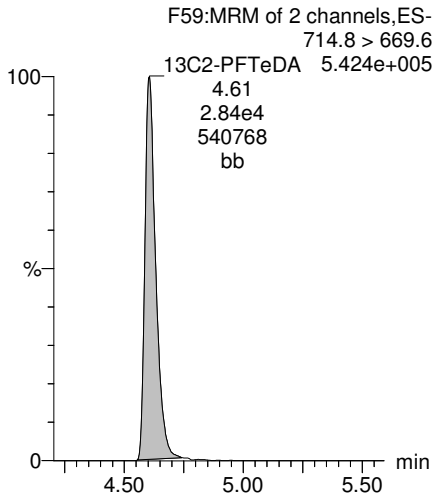
TCDA



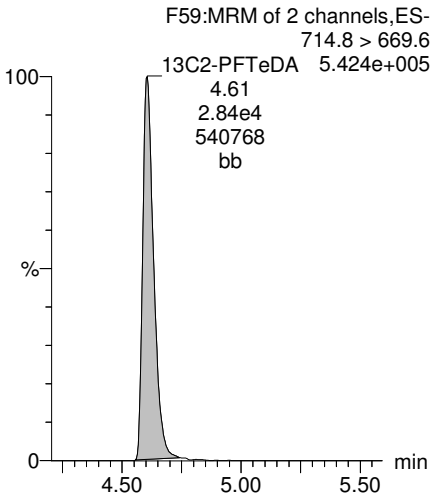
13C4-PFBA



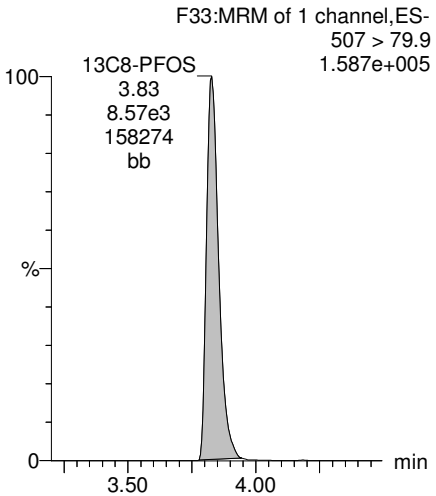
13C2-PFTeDA



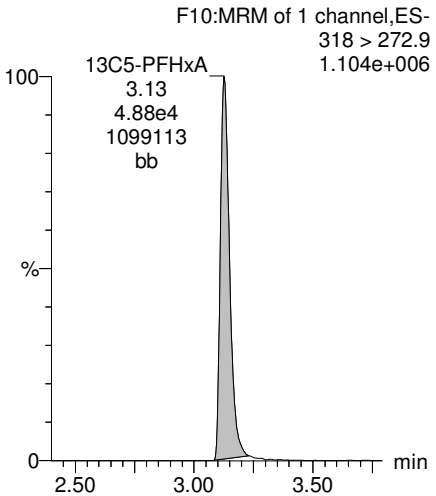
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

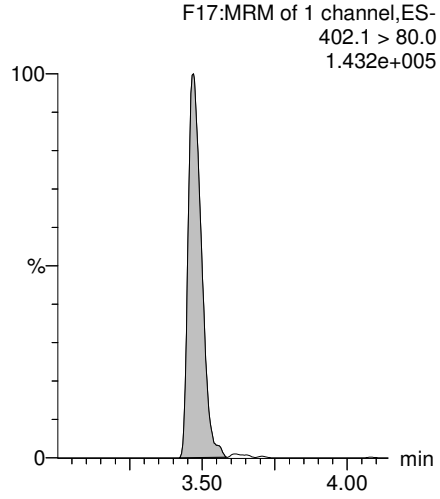
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-27.qld

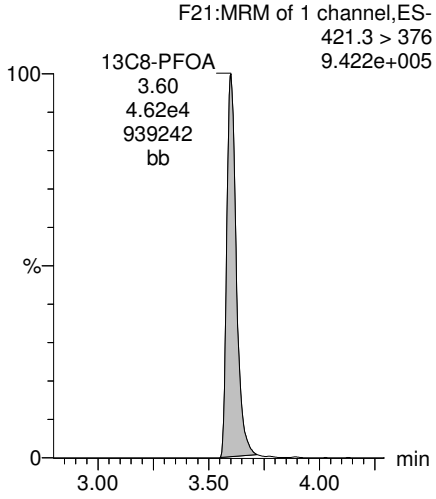
Last Altered: Tuesday, October 24, 2017 11:07:07 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:09:47 Pacific Daylight Time

Name: 171016M4_27, Date: 16-Oct-2017, Time: 18:15:41, ID: 1701432-05 EB05_20171004 0.125, Description: EB05_20171004

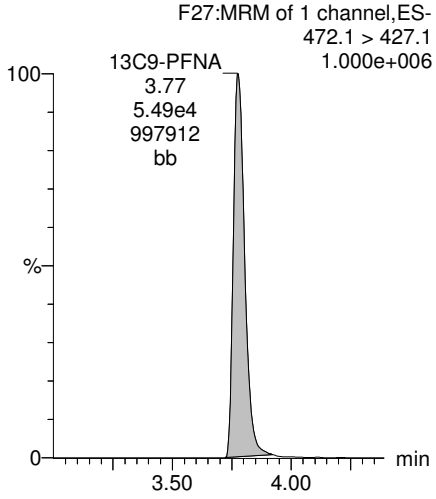
13C3-PFHxS



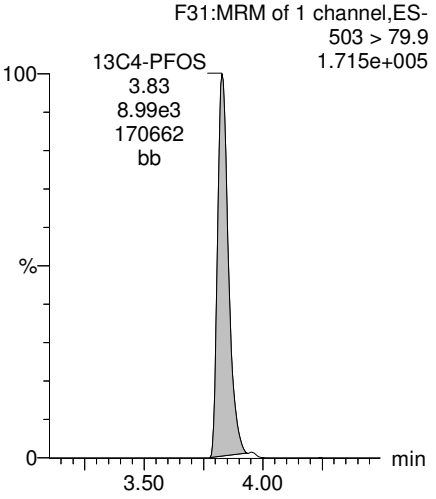
13C8-PFOA



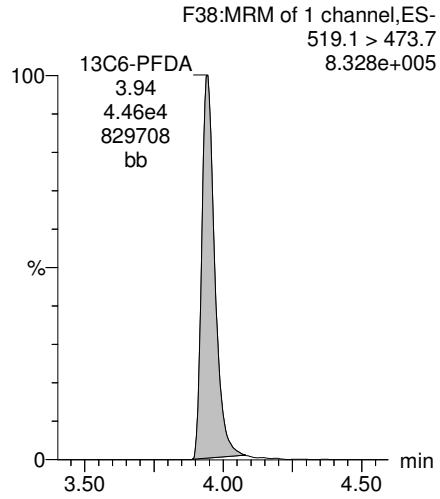
13C9-PFNA



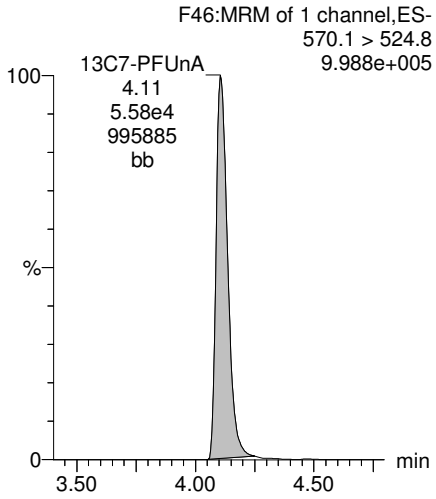
13C4-PFOS



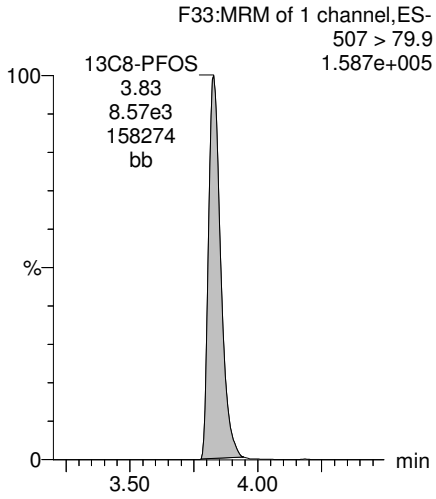
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-28.qld

Last Altered: Tuesday, October 24, 2017 11:15:37 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:16:55 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_28, Date: 16-Oct-2017, Time: 18:26:30, ID: 1701432-06 Site 3-GW-03GW01-20171004 0.125, Description: Site 3-GW-03GW01-20171004

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	1.86e3	2.33e4	0.119		1.32	1.35	1.00	7.60	
2	2	PFPeA	263.1 > 219.1	3.33e3	3.25e4	0.119		2.91	2.63	1.28	10.7	
3	3	PFBS	299.1 > 79.9	4.72e2	8.47e3	0.119		3.09	2.87	0.696	5.86	
4	4	PFHxA	313.2 > 268.9	1.35e4	1.07e4	0.119		3.31	3.13	6.32	35.9	
5	5	PFHpA	363.1 > 319.1	2.81e3	4.79e4	0.119		3.56	3.39	0.734	5.50	
6	6	L-PFHxS	399.0 > 80.0	4.89e3	3.05e3	0.119		3.63	3.47	20.0	70.0	
7	9	L-PFOA	413 > 368.7	4.50e4	3.89e4	0.119		3.77	3.59	14.5	124	
8	12	PFNA	463.1 > 419.1		3.39e4	0.119		3.96				
9	13	PFOSA	498.1 > 77.8		5.83e3	0.119		3.96				
10	14	L-PFOS	499 > 79.9	6.43e2	7.65e3	0.119		4.01	3.83	1.05	7.68	
11	16	PFDA	513 > 468.8		2.91e4	0.119		4.14				
12	18	N-MeFOSAA	570.1 > 419		8.54e3	0.119		4.17				
13	19	N-EtFOSAA	584.2 > 419		9.21e3	0.119		4.23				
14	20	PFUnA	562.9 > 518.9		3.91e4	0.119		4.31				
15	21	PFDS	598.9 > 80		3.91e4	0.119		4.36				
16	22	PFDoA	613.0 > 569.1		3.67e4	0.119		4.49				
17	24	PFTrDA	662.9 > 618.9		3.67e4	0.119		4.68				

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-28.qld

Last Altered: Tuesday, October 24, 2017 11:15:37 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:17:09 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_28, Date: 16-Oct-2017, Time: 18:26:30, ID: 1701432-06 Site 3-GW-03GW01-20171004 0.125, Description: Site 3-GW-03GW01-20171004

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		2.90e4	0.119		4.88				
2	31	13C3-PFBA	216.1 > 172.1	2.33e4	2.62e4	0.119	0.956	1.32	1.35	11.1	97.6	92.8
3	32	13C3-PFPeA	266.1 > 222.1	3.25e4	3.97e4	0.119	0.288	2.91	2.63	4.09	119	113.6
4	33	13C3-PFBS	302.1 > 79.9	8.47e3	3.97e4	0.119	0.065	3.09	2.87	1.07	137	130.7
5	34	13C2-PFHxA	315 > 269.8	1.07e4	3.97e4	0.119	0.297	3.31	3.13	1.35	38.2	90.9
6	35	13C4-PFHpA	367 > 322.1	4.79e4	3.97e4	0.119	0.641	3.56	3.39	6.03	79.1	75.2
7	36	18O2-PFHxS	403 > 103.0	3.05e3	6.98e3	0.119	0.519	3.63	3.46	5.47	88.6	84.2
8	37	13C2-6:2 FTS	429.1 > 408.9	6.88e3	4.01e4	0.119	0.177	3.76	3.59	2.14	102	96.7
9	38	13C2-PFOA	414.9 > 369.7	3.89e4	4.01e4	0.119	1.147	3.77	3.59	12.1	88.9	84.6
10	39	13C5-PFNA	468.1 > 423.1	3.39e4	4.42e4	0.119	0.939	3.96	3.77	9.60	86.1	81.8
11	40	13C8-PFOSA	506.1 > 78.0	5.83e3	4.75e4	0.119	0.177	3.96	3.77	1.53	72.9	69.3
12	41	13C8-PFOS	507 > 79.9	7.65e3	8.49e3	0.119	1.067	4.01	3.82	11.3	88.8	84.4
13	42	13C2-PFDA	515.1 > 469.9	2.91e4	4.24e4	0.119	0.835	4.14	3.94	8.58	86.5	82.2
14	43	13C2-8:2 FTS	529.1 > 508.7	4.88e3	4.24e4	0.119	0.118	4.14	3.93	1.44	103	97.9
15	44	d3-N-MeFOSAA	573.3 > 419	8.54e3	4.75e4	0.119	0.013	4.17	3.97	2.25	1430	104.8
16	45	d5-N-EtFOSAA	589.3 > 419	9.21e3	4.75e4	0.119	0.015	4.23	4.03	2.42	1330	97.1
17	46	13C2-PFUnA	565 > 519.8	3.91e4	4.75e4	0.119	1.017	4.31	4.11	10.3	85.2	81.0
18	47	13C2-PFDoA	615.1 > 570.1	3.67e4	4.75e4	0.119	0.984	4.49	4.27	9.65	82.5	78.5
19	49	13C2-PFTeDA	714.8 > 669.6	2.90e4	4.75e4	0.119	0.618	4.88	4.60	7.64	104	98.9
20	54	13C4-PFBA	217.1 > 172.1	2.62e4	2.62e4	0.119	1.000	1.32	1.35	12.5	105	100.0
21	55	13C5-PFHxA	318 > 272.9	3.97e4	3.97e4	0.119	1.000	3.31	3.12	5.00	42.1	100.0
22	56	13C3-PFHxS	402.1 > 80.0	6.98e3	6.98e3	0.119	1.000	3.63	3.47	12.5	105	100.0
23	57	13C8-PFOA	421.3 > 376	4.01e4	4.01e4	0.119	1.000	3.77	3.59	12.5	105	100.0
24	58	13C9-PFNA	472.1 > 427.1	4.42e4	4.42e4	0.119	1.000	3.96	3.77	12.5	105	100.0
25	59	13C4-PFOS	503 > 79.9	8.49e3	8.49e3	0.119	1.000	4.01	3.82	12.5	105	100.0
26	60	13C6-PFDA	519.1 > 473.7	4.24e4	4.24e4	0.119	1.000	4.14	3.94	12.5	105	100.0
27	61	13C7-PFUnA	570.1 > 524.8	4.75e4	4.75e4	0.119	1.000	4.31	4.11	12.5	105	100.0
28	62	Total PFHxS	399.0 > 80.0	4.89e3	3.05e3	0.119		3.63		20.0	70.0	
29	63	Total PFOA	413 > 368.7	4.99e4	3.89e4	0.119		3.77		16.0	134	
30	64	Total PFOS	499 > 79.9	6.43e2	7.65e3	0.119		4.01		1.05	7.68	
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	8.54e3	0.119		4.17		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	9.21e3	0.119		4.23		0.000		

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

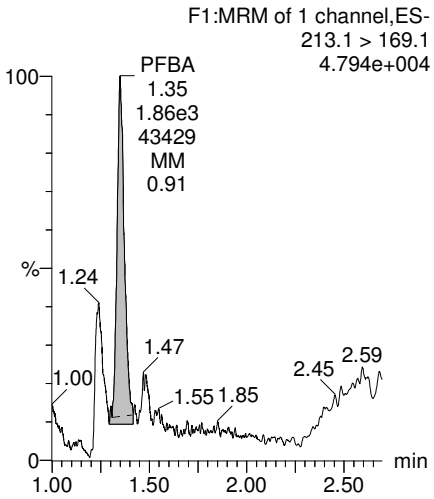
Dataset: U:\Q4.PRO\results\171016M4\171016M4-28.qld

Last Altered: Tuesday, October 24, 2017 11:15:37 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:17:09 Pacific Daylight Time

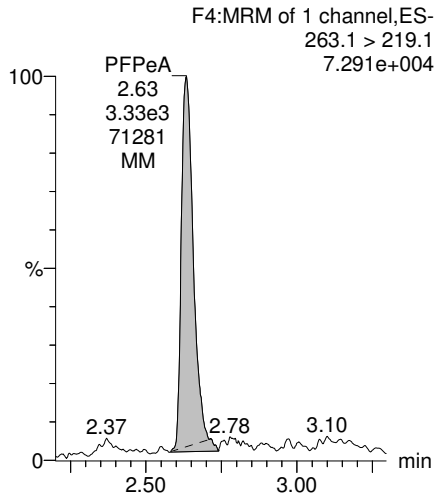
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_28, Date: 16-Oct-2017, Time: 18:26:30, ID: 1701432-06 Site 3-GW-03GW01-20171004 0.125, Description: Site 3-GW-03GW01-20171004

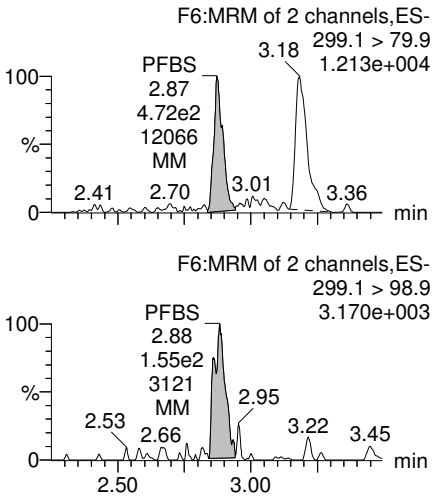
PFBA



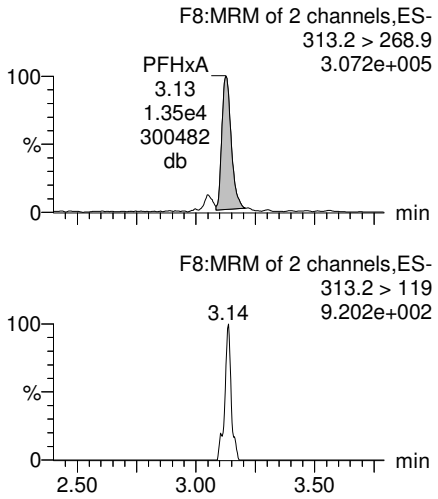
PFPeA



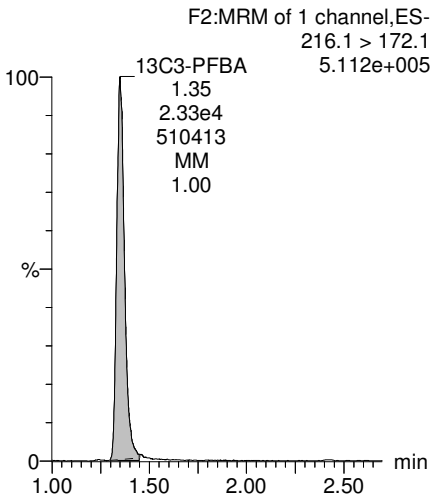
PFBS



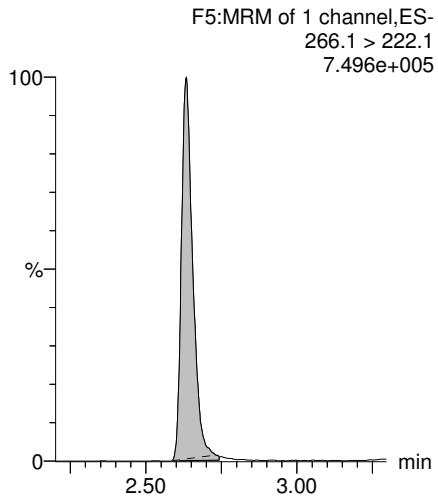
PFHxA



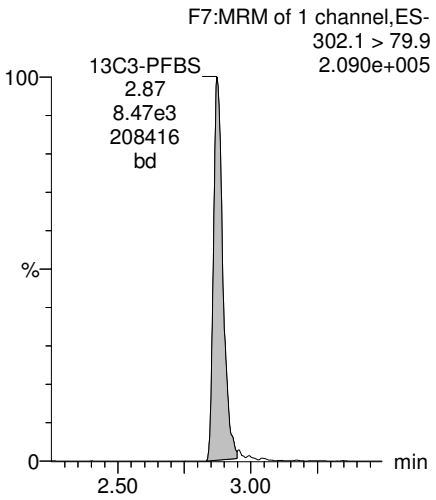
13C3-PFBA



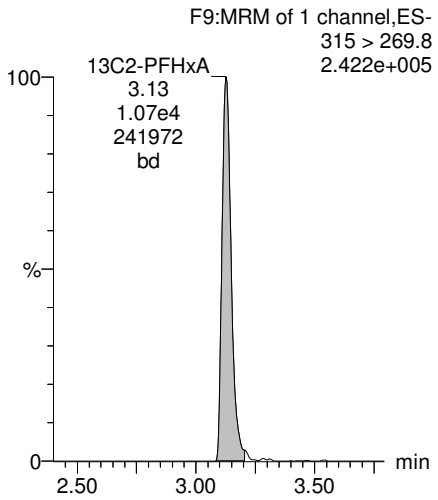
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/24/17

Vista Analytical Laboratory

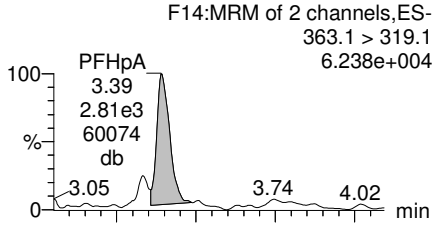
Rev'd: MM 10/27/17

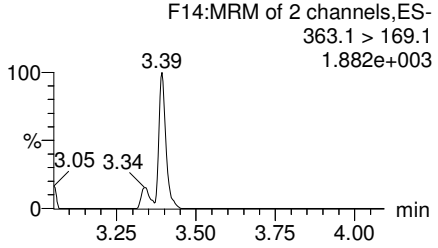
Dataset: U:\Q4.PRO\results\171016M4\171016M4-28.qld

Last Altered: Tuesday, October 24, 2017 11:15:37 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:17:09 Pacific Daylight Time

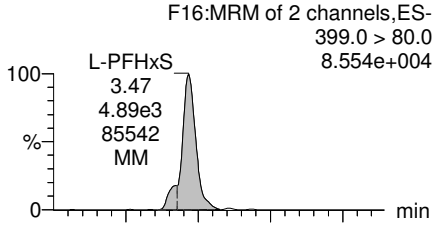
Name: 171016M4_28, Date: 16-Oct-2017, Time: 18:26:30, ID: 1701432-06 Site 3-GW-03GW01-20171004 0.125, Description: Site 3-GW-03GW01-20171004

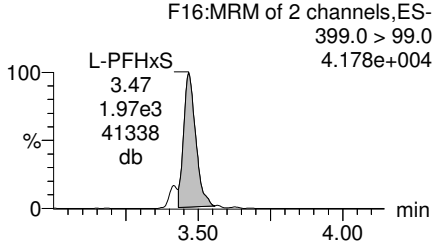
PFHpA



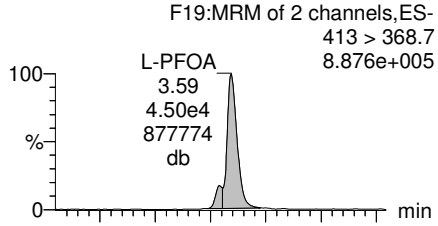


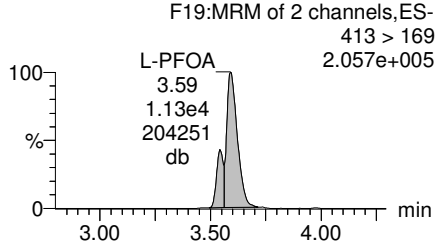
Total PFHxS



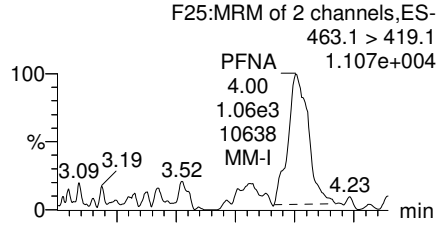


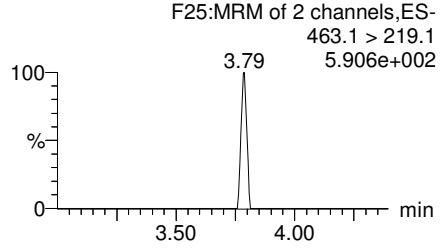
Total PFOA



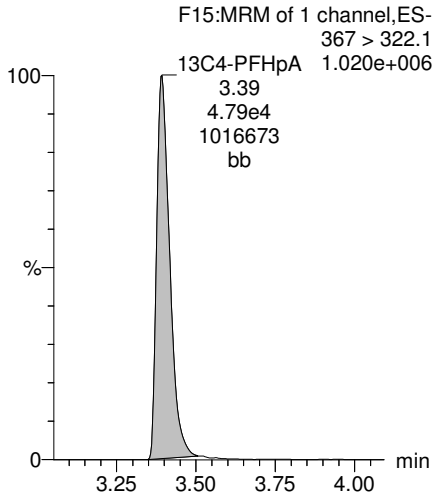


PFNA

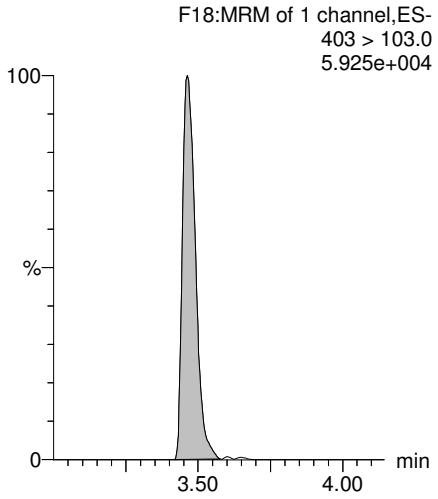




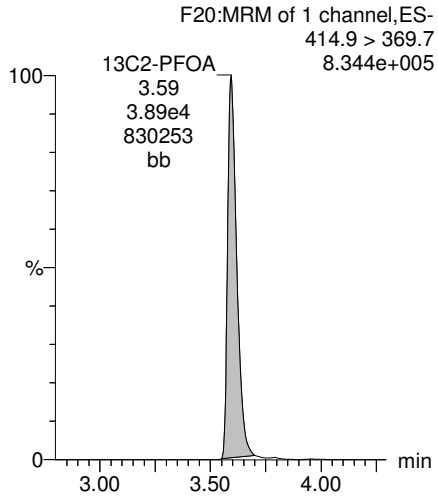
13C4-PFHpA



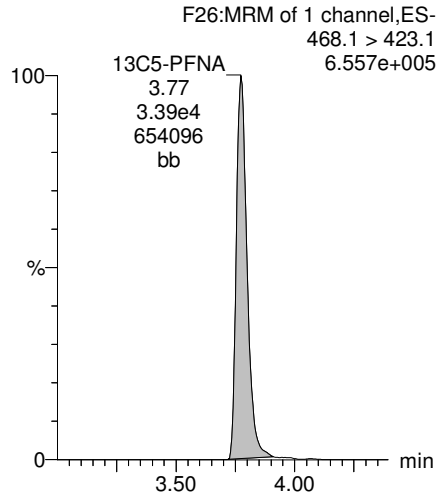
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/24/17

Vista Analytical Laboratory

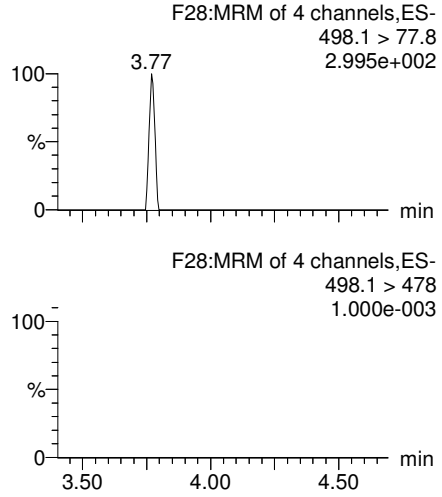
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-28.qld

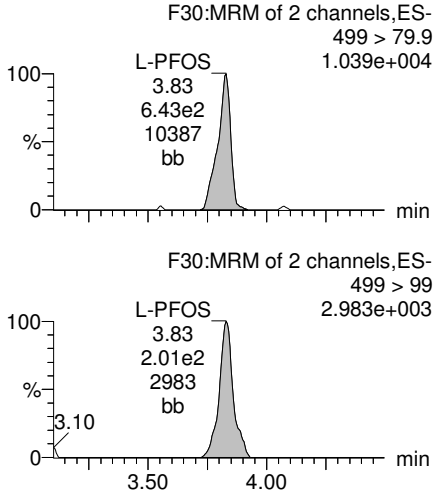
Last Altered: Tuesday, October 24, 2017 11:15:37 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:17:09 Pacific Daylight Time

Name: 171016M4_28, Date: 16-Oct-2017, Time: 18:26:30, ID: 1701432-06 Site 3-GW-03GW01-20171004 0.125, Description: Site 3-GW-03GW01-20171004

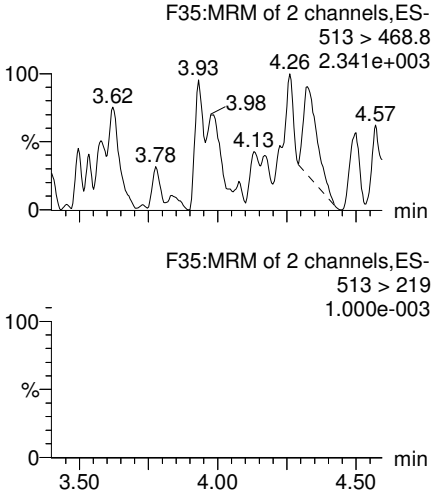
PFOSA



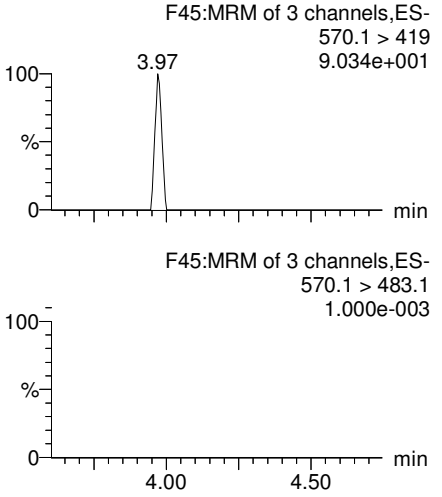
Total PFOS



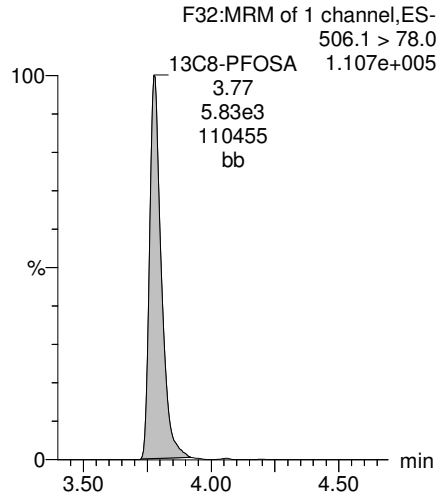
PFDA



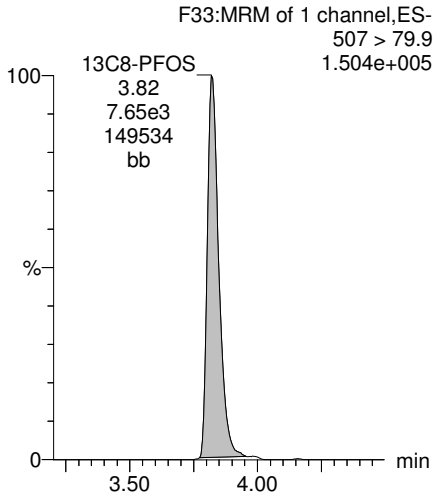
N-MeFOSAA



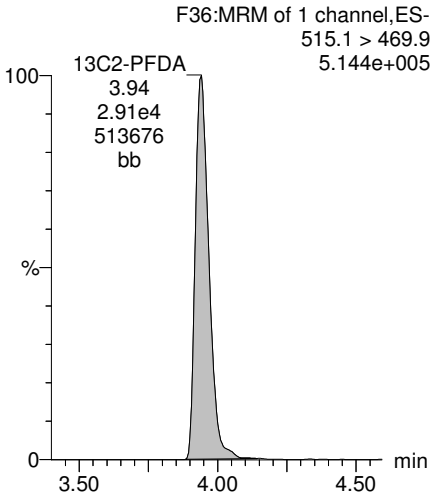
13C8-PFOSA



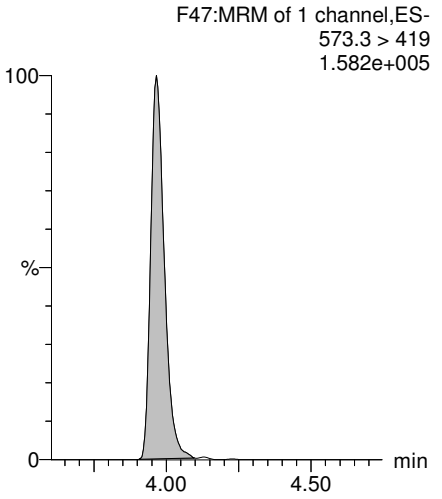
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/24/17

Vista Analytical Laboratory

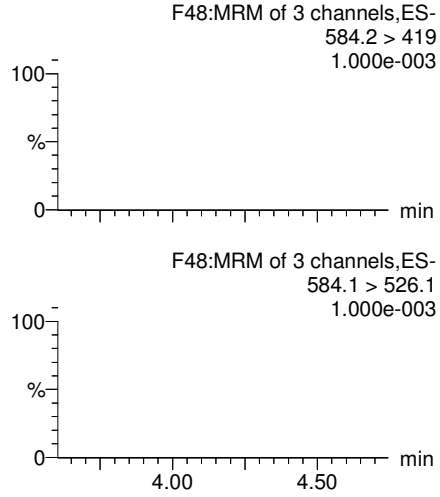
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-28.qld

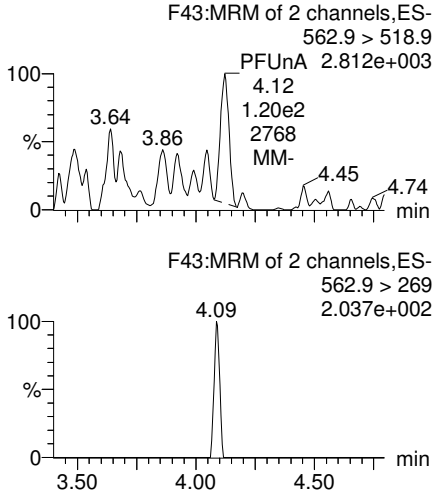
Last Altered: Tuesday, October 24, 2017 11:15:37 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:17:09 Pacific Daylight Time

Name: 171016M4_28, Date: 16-Oct-2017, Time: 18:26:30, ID: 1701432-06 Site 3-GW-03GW01-20171004 0.125, Description: Site 3-GW-03GW01-20171004

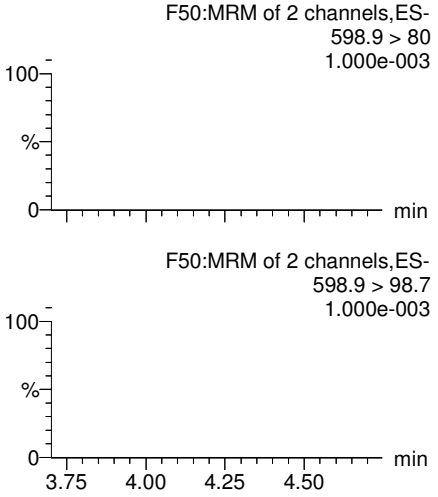
N-EtFOSAA



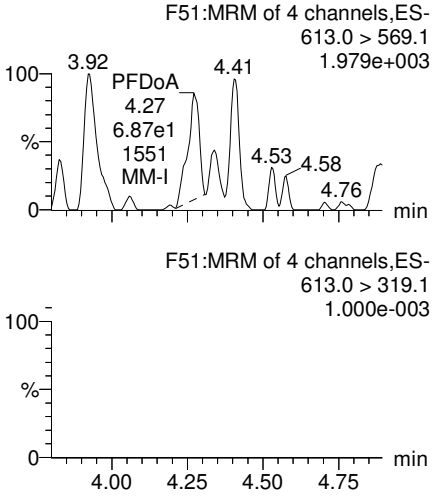
PFUnA



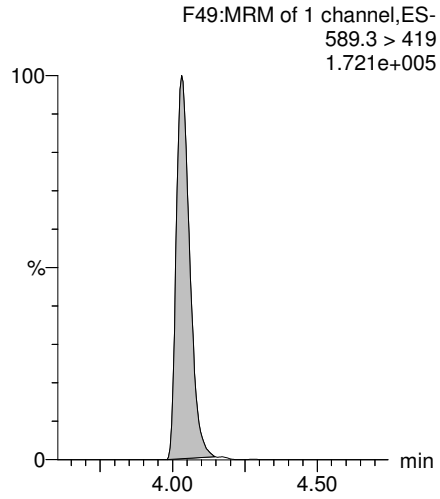
PFDS



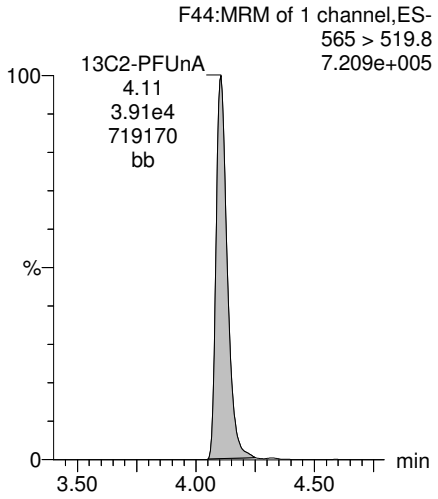
PFDoA



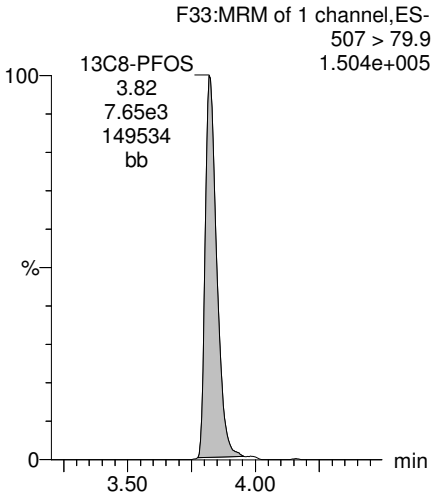
d5-N-EtFOSAA



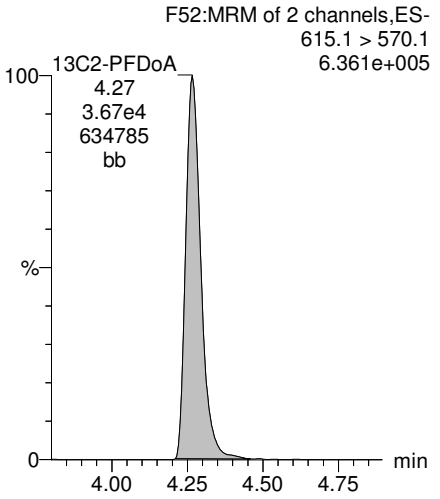
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/24/17

Vista Analytical Laboratory

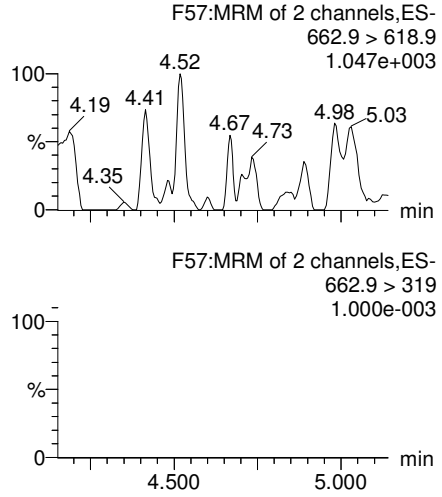
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-28.qld

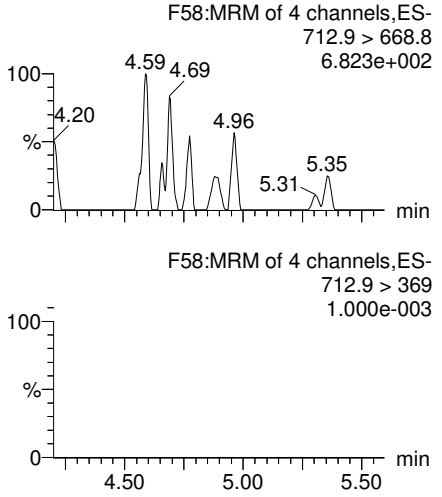
Last Altered: Tuesday, October 24, 2017 11:15:37 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:17:09 Pacific Daylight Time

Name: 171016M4_28, Date: 16-Oct-2017, Time: 18:26:30, ID: 1701432-06 Site 3-GW-03GW01-20171004 0.125, Description: Site 3-GW-03GW01-20171004

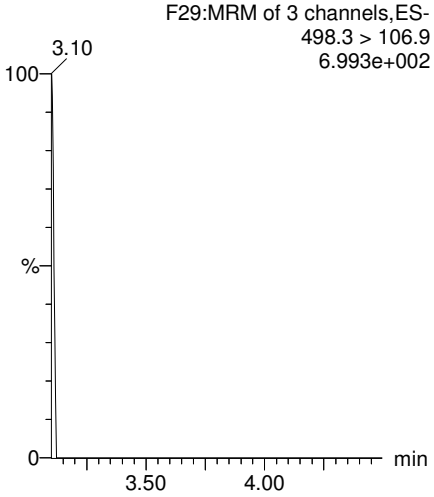
PFTrDA



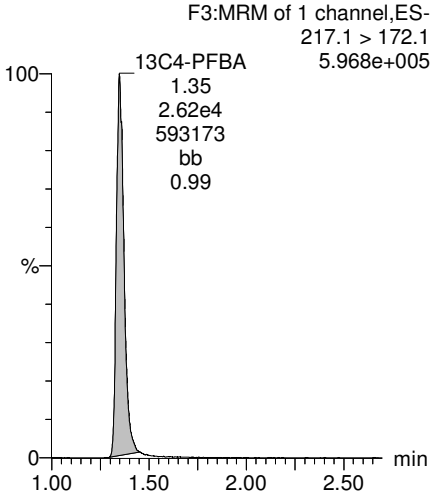
PFTeDA



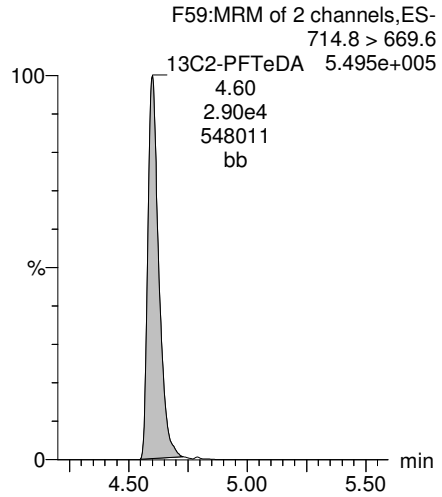
TCDA



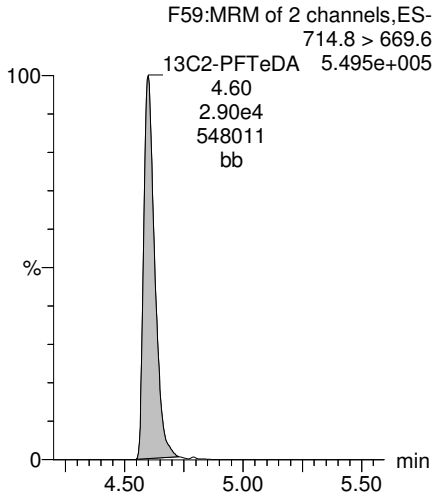
13C4-PFBA



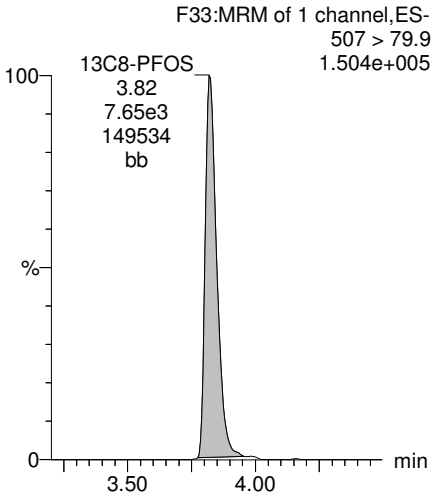
13C2-PFTeDA



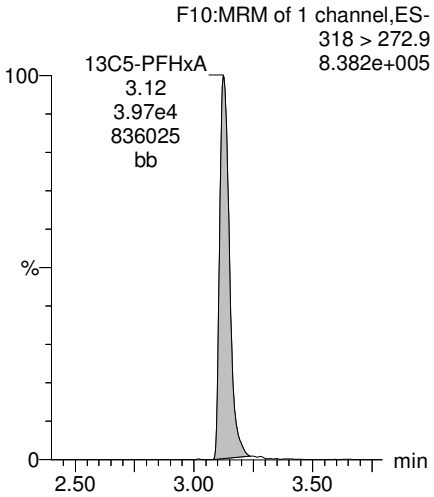
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

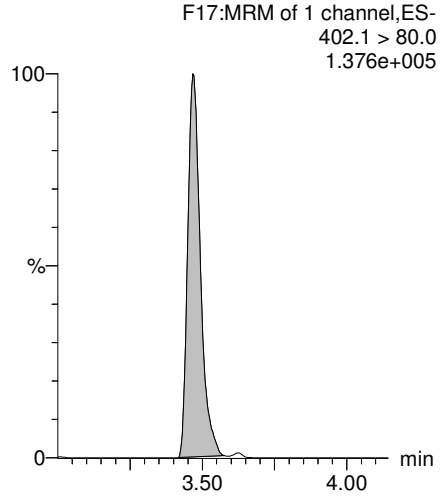
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-28.qld

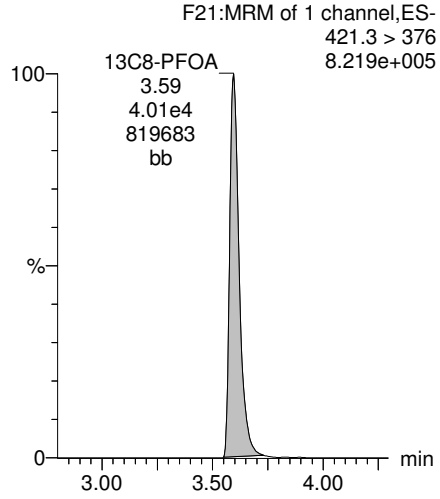
Last Altered: Tuesday, October 24, 2017 11:15:37 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:17:09 Pacific Daylight Time

Name: 171016M4_28, Date: 16-Oct-2017, Time: 18:26:30, ID: 1701432-06 Site 3-GW-03GW01-20171004 0.125, Description: Site 3-GW-03GW01-20171004

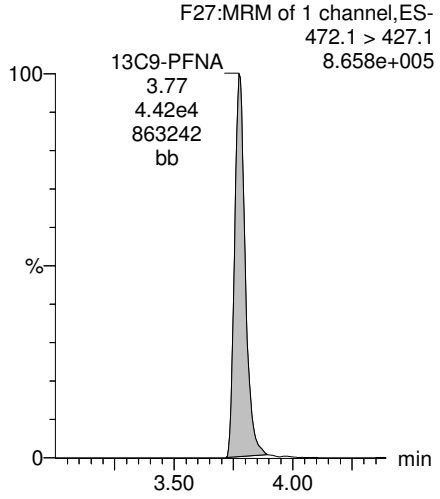
13C3-PFHxS



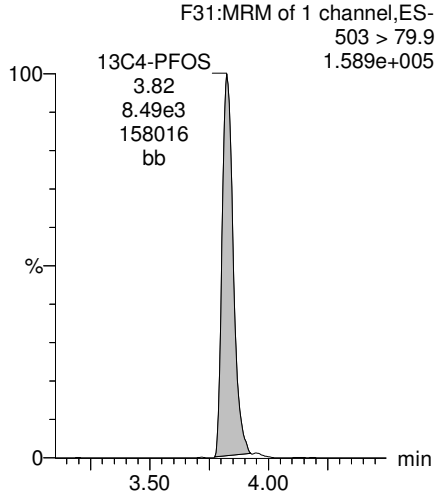
13C8-PFOA



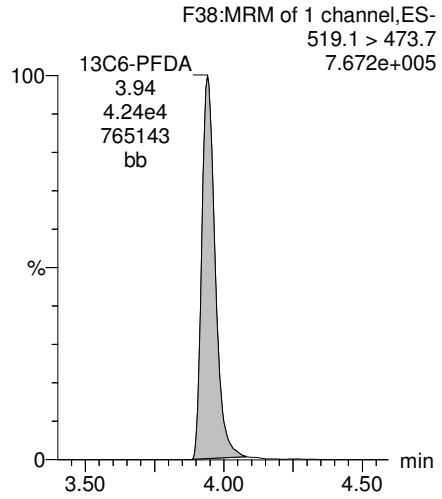
13C9-PFNA



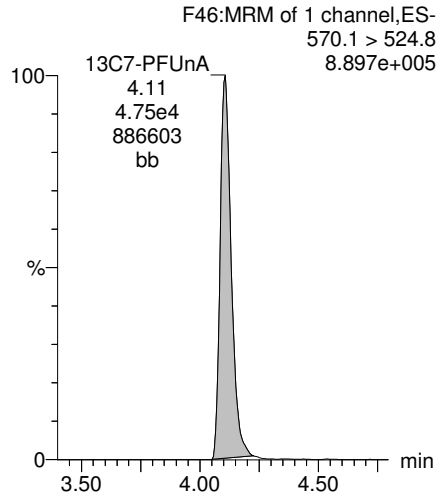
13C4-PFOS



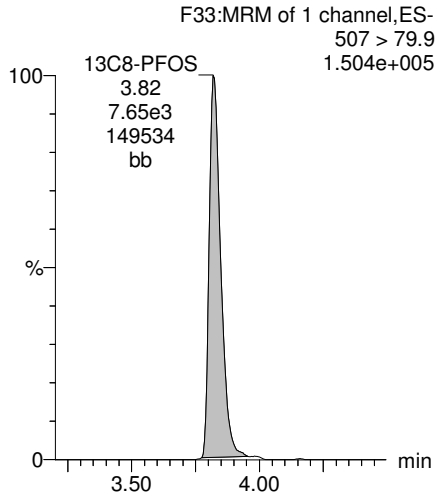
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-32.qld

Last Altered: Friday, October 27, 2017 13:30:40 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:30:59 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 11:45:01
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_32, Date: 26-Oct-2017, Time: 15:02:34, ID: 1701432-08RE1 Site 4-GW-04GW03-20171004 0.11516, Description: Site 4-GW-04GW03-20171004

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.0 > 168.8	2.00e3	6.59e3	0.061		1.32	1.23	3.80	50.0	
2	2	PFPeA	263.1 > 218.9	4.11e3	6.99e3	0.061		2.31	2.20	7.34	104	
3	3	PFBS	299.0 > 79.7	2.14e3	9.45e2	0.061		2.59	2.50	28.3	191	
4	4	PFHxA	313.2 > 268.9	2.98e4	2.91e3	0.061		3.08	2.99	51.3	506	
5	5	PFHpA	363.0 > 318.9	1.62e3	6.67e3	0.061		3.70	3.61	3.04	33.0	
6	6	L-PFHxS	398.9 > 79.6	1.30e4	7.26e2	0.061		3.86	3.77	224	1510	
7	9	L-PFOA	413 > 368.7	1.29e4	9.34e3	0.061		4.23	4.14	17.2	247	
8	12	PFNA	463.0 > 418.8		8.43e3	0.061		4.67				
9	13	PFOSA	498.1 > 77.8		2.34e3	0.061		4.72				
10	14	L-PFOS	499 > 79.9	2.46e1	2.24e3	0.061		4.76	4.68	0.137	2.29	
11	16	PFDA	513 > 468.8		8.45e3	0.061		5.05				
12	18	N-MeFOSAA	570.1 > 419		3.47e3	0.061		5.21				
13	19	N-EtFOSAA	584.2 > 419		3.63e3	0.061		5.37				
14	20	PFUnA	563.0 > 518.9		1.20e4	0.061		5.38				
15	21	PFDS	598.8 > 80		1.20e4	0.061		5.43				
16	22	PFDoA	612.9 > 569.0		1.27e4	0.061		5.67				
17	24	PFTrDA	662.9 > 618.9		1.27e4	0.061		5.92				

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-32.qld

Last Altered: Friday, October 27, 2017 13:30:40 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:31:17 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 11:45:01
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_32, Date: 26-Oct-2017, Time: 15:02:34, ID: 1701432-08RE1 Site 4-GW-04GW03-20171004 0.11516, Description: Site 4-GW-04GW03-20171004

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		1.28e4	0.061		6.13				
2	31	13C3-PFBA	216.1 > 171.8	6.59e3	7.96e3	0.061	0.928	1.33	1.22	10.3	183	89.2
3	32	13C3-PFPeA	266. > 221.8	6.99e3	1.08e4	0.061	0.757	2.31	2.20	8.08	175	85.4
4	33	13C3-PFBS	302. > 98.8	9.45e2	1.08e4	0.061	0.091	2.59	2.49	1.09	198	96.3
5	34	13C2-PFHxA	315 > 269.8	2.91e3	1.08e4	0.061	0.739	3.08	2.99	3.36	74.6	90.9
6	35	13C4-PFHpA	367.2 > 321.8	6.67e3	1.08e4	0.061	0.684	3.70	3.61	7.71	185	90.2
7	36	18O2-PFHxS	403.0 > 102.6	7.26e2	1.93e3	0.061	0.412	3.85	3.77	4.70	187	91.1
8	37	13C2-6:2 FTS	429.1 > 408.9	2.41e3	9.84e3	0.061	0.248	4.18	4.09	3.06	203	98.8
9	38	13C2-PFOA	414.9 > 369.7	9.34e3	9.84e3	0.061	1.120	4.23	4.15	11.9	174	84.8
10	39	13C5-PFNA	468.2 > 422.9	8.43e3	1.16e4	0.061	0.929	4.67	4.59	9.11	161	78.5
11	40	13C8-PFOSA	506.1 > 77.7	2.34e3	1.22e4	0.061	0.246	4.72	4.64	2.41	160	78.1
12	41	13C8-PFOS	507.0 > 79.9	2.24e3	2.44e3	0.061	1.027	4.76	4.68	11.5	183	89.4
13	42	13C2-PFDA	515.1 > 469.9	8.45e3	1.22e4	0.061	0.946	5.05	4.97	8.65	150	73.2
14	43	13C2-8:2 FTS	529.1 > 508.7	1.85e3	1.22e4	0.061	0.171	5.03	4.94	1.90	182	88.7
15	44	d3-N-MeFOSAA	573.3 > 419	3.47e3	1.22e4	0.061	0.358	5.20	5.12	3.56	164	79.7
16	45	d5-N-EtFOSAA	589.3 > 419	3.63e3	1.22e4	0.061	0.360	5.36	5.28	3.73	170	82.9
17	46	13C2-PFUdA	565 > 519.8	1.20e4	1.22e4	0.061	1.045	5.38	5.30	12.3	193	94.2
18	47	13C2-PFDoA	615.0 > 569.7	1.27e4	1.22e4	0.061	1.141	5.67	5.59	13.0	187	91.1
19	49	13C2-PFTeDA	714.8 > 669.6	1.28e4	1.22e4	0.061	0.934	6.13	6.07	13.2	231	112.7
20	54	13C4-PFBA	217. > 171.8	7.96e3	7.96e3	0.061	1.000	1.33	1.22	12.5	205	100.0
21	55	13C5-PFHxA	318 > 272.9	1.08e4	1.08e4	0.061	1.000	3.08	2.99	12.5	205	100.0
22	56	13C3-PFHxS	401.9 > 79.9	1.93e3	1.93e3	0.061	1.000	3.85	3.77	12.5	205	100.0
23	57	13C8-PFOA	421.3 > 376	9.84e3	9.84e3	0.061	1.000	4.23	4.15	12.5	205	100.0
24	58	13C9-PFNA	472.2 > 426.9	1.16e4	1.16e4	0.061	1.000	4.67	4.59	12.5	205	100.0
25	59	13C4-PFOS	503 > 79.9	2.44e3	2.44e3	0.061	1.000	4.76	4.68	12.5	205	100.0
26	60	13C6-PFDA	519.1 > 473.7	1.22e4	1.22e4	0.061	1.000	5.05	4.97	12.5	205	100.0
27	61	13C7-PFUnA	570.1 > 524.8	1.22e4	1.22e4	0.061	1.000	5.38	5.30	12.5	205	100.0
28	62	Total PFHxS	398.9 > 79.6	1.30e4	7.26e2	0.061		3.77		224	1510	
29	63	Total PFOA	413 > 368.7	1.56e4	9.34e3	0.061		4.23		20.8	295	
30	64	Total PFOS	499 > 79.9	2.46e1	2.24e3	0.061		4.67		0.137	2.29	
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	3.47e3	0.061		5.21		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	3.63e3	0.061		5.37		0.000		

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

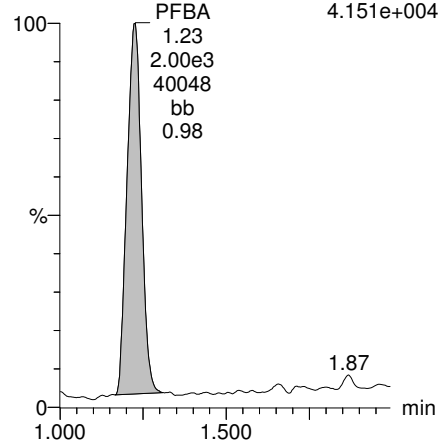
Dataset: U:\Q4.PRO\results\171026M1\171026M1-32.qld

Last Altered: Friday, October 27, 2017 13:30:40 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:31:17 Pacific Daylight Time

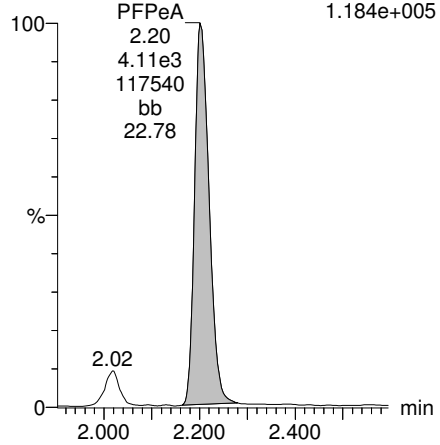
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 11:45:01
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_32, Date: 26-Oct-2017, Time: 15:02:34, ID: 1701432-08RE1 Site 4-GW-04GW03-20171004 0.11516, Description: Site 4-GW-04GW03-20171004

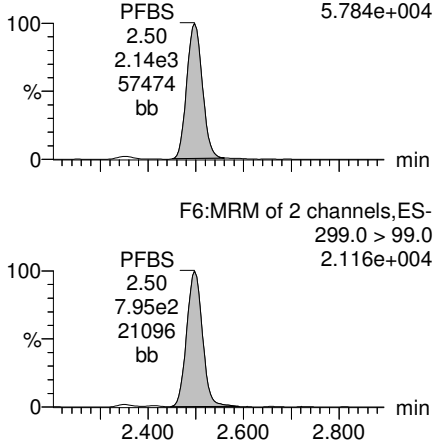
PFBA



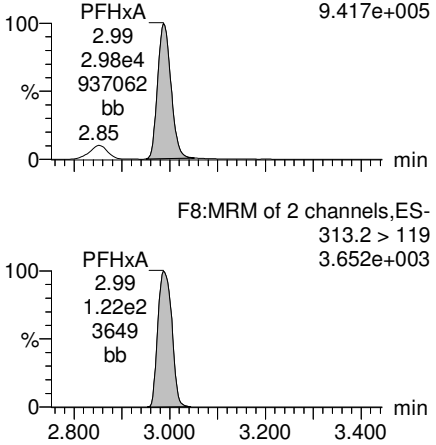
PFPeA



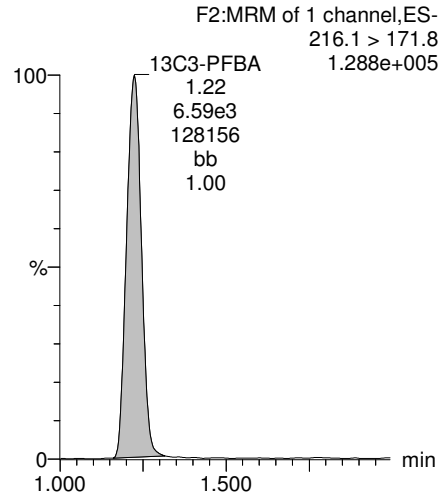
PFBS



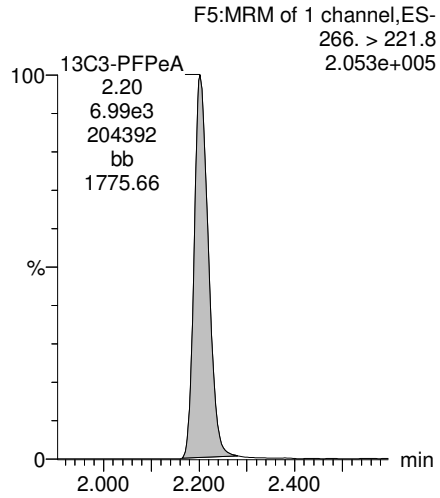
PFHxA



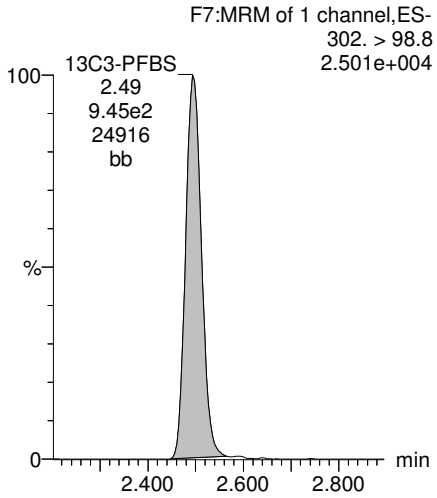
13C3-PFBA



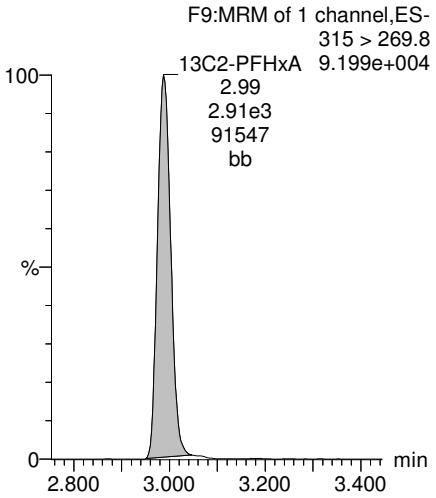
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/27/17

Vista Analytical Laboratory

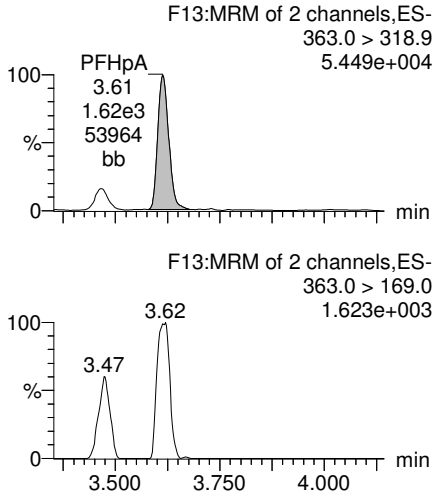
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-32.qld

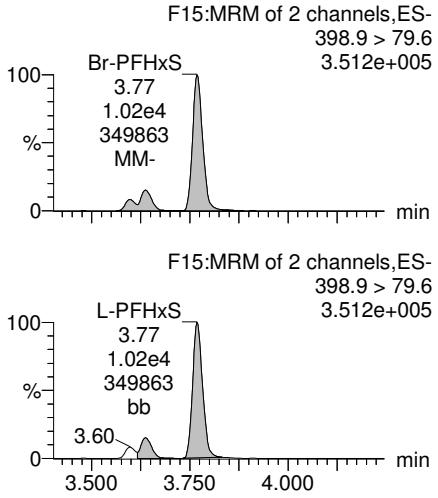
Last Altered: Friday, October 27, 2017 13:30:40 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:31:17 Pacific Daylight Time

Name: 171026M1_32, Date: 26-Oct-2017, Time: 15:02:34, ID: 1701432-08RE1 Site 4-GW-04GW03-20171004 0.11516, Description: Site 4-GW-04GW03-20171004

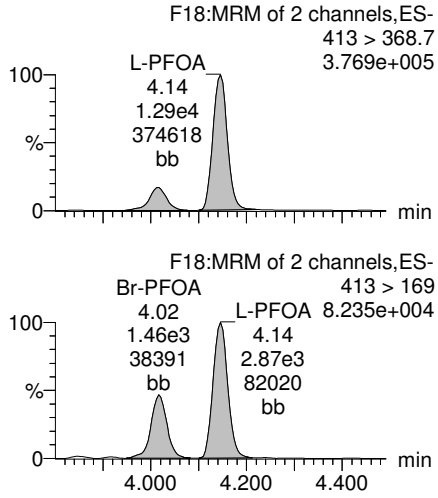
PFHpA



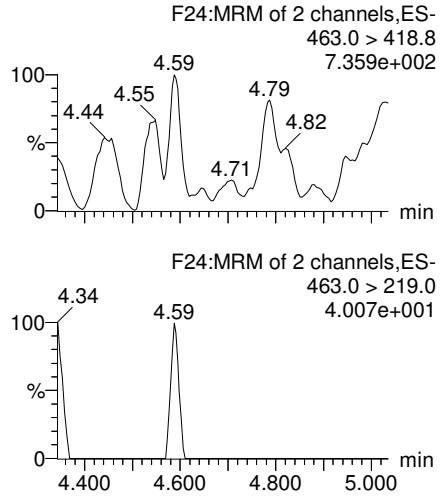
Total PFHxS



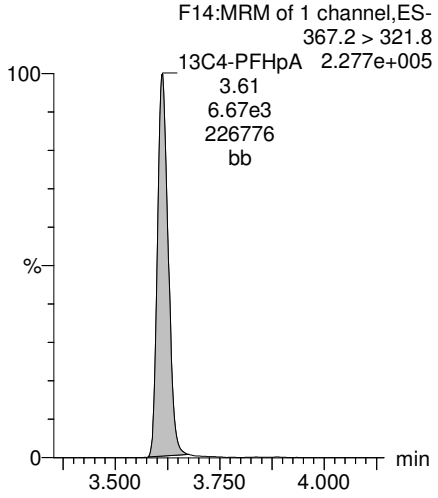
Total PFOA



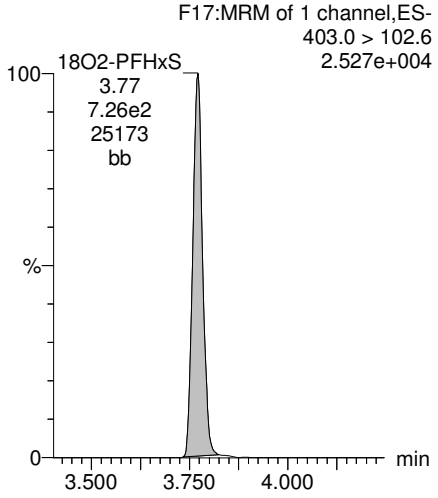
PFNA



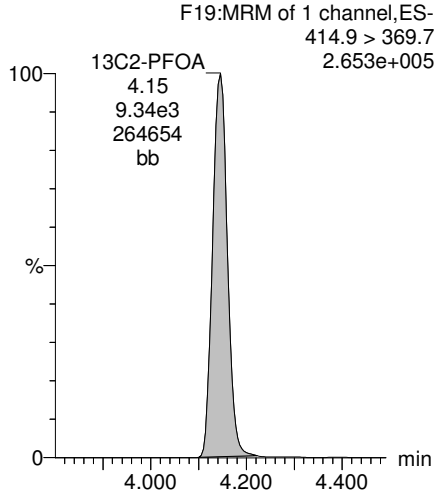
13C4-PFHpA



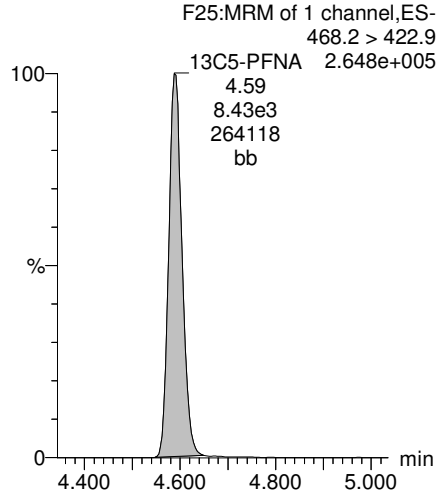
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/27/17

Vista Analytical Laboratory

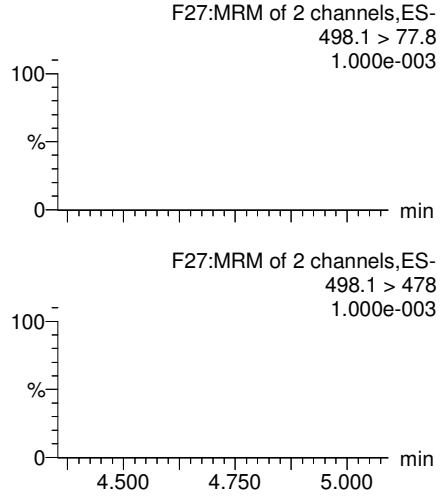
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-32.qld

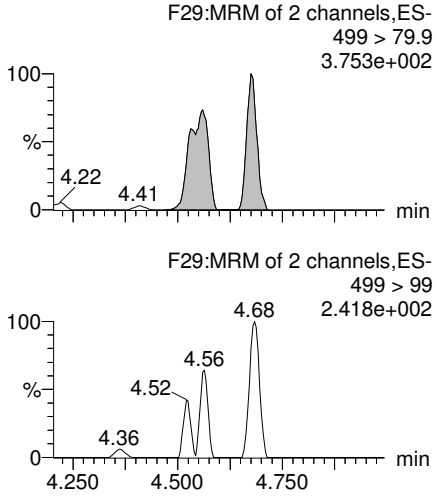
Last Altered: Friday, October 27, 2017 13:30:40 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:31:17 Pacific Daylight Time

Name: 171026M1_32, Date: 26-Oct-2017, Time: 15:02:34, ID: 1701432-08RE1 Site 4-GW-04GW03-20171004 0.11516, Description: Site 4-GW-04GW03-20171004

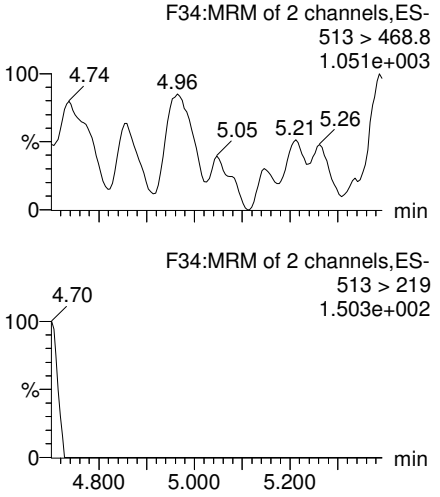
PFOSA



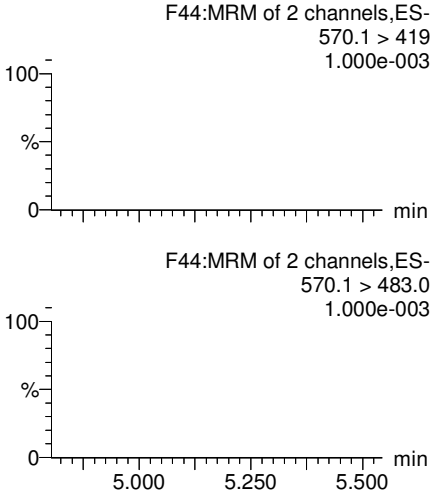
Total PFOS



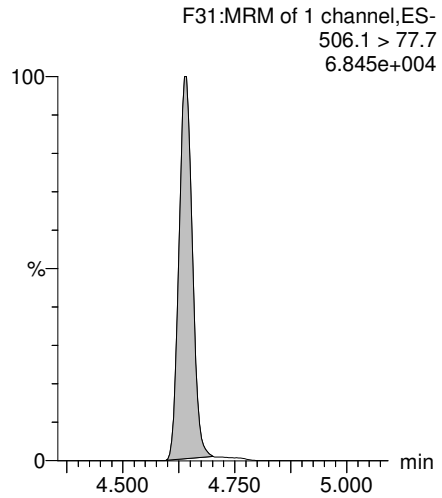
PFDA



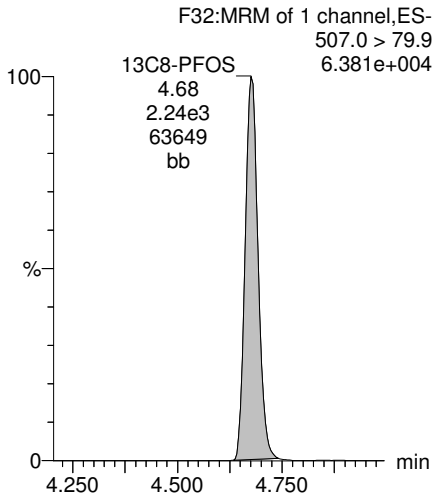
N-MeFOSAA



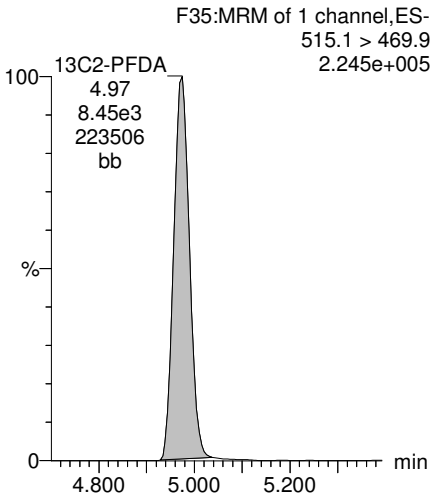
13C8-PFOSA



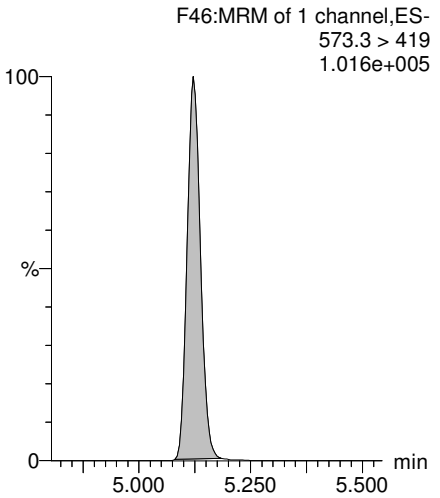
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/27/17

Vista Analytical Laboratory

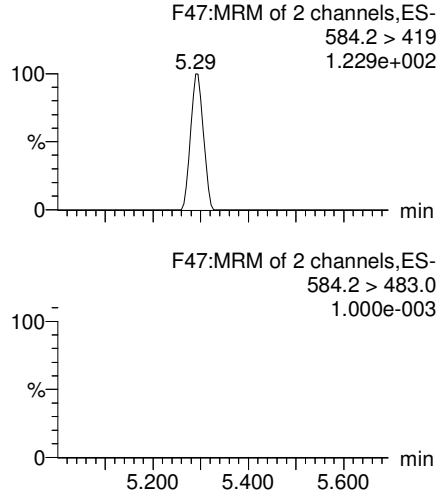
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-32.qld

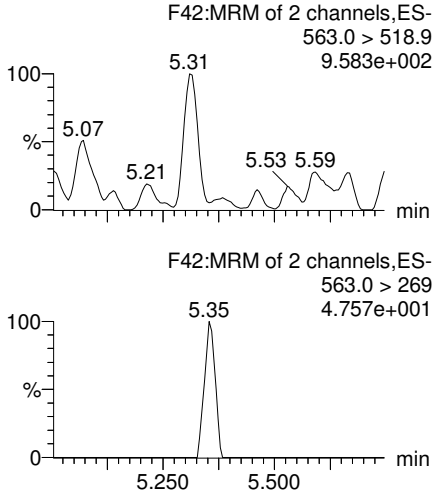
Last Altered: Friday, October 27, 2017 13:30:40 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:31:17 Pacific Daylight Time

Name: 171026M1_32, Date: 26-Oct-2017, Time: 15:02:34, ID: 1701432-08RE1 Site 4-GW-04GW03-20171004 0.11516, Description: Site 4-GW-04GW03-20171004

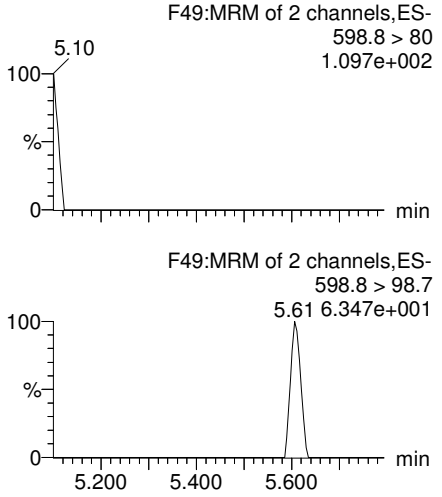
N-EtFOSAA



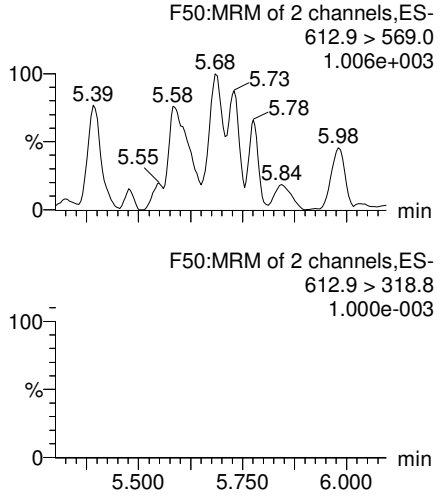
PFUnA



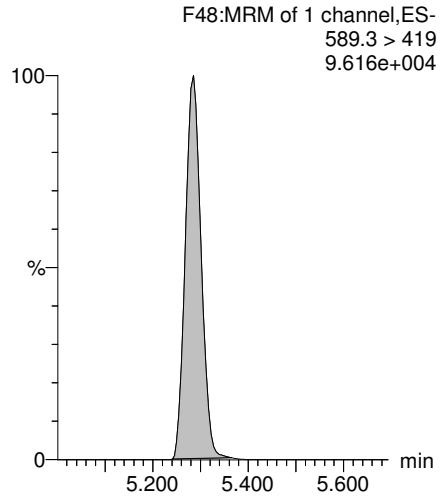
PFDS



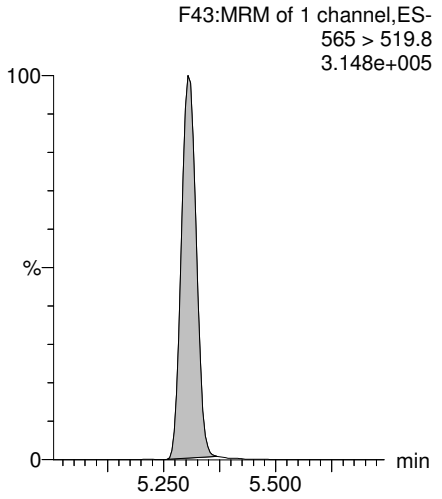
PFDoA



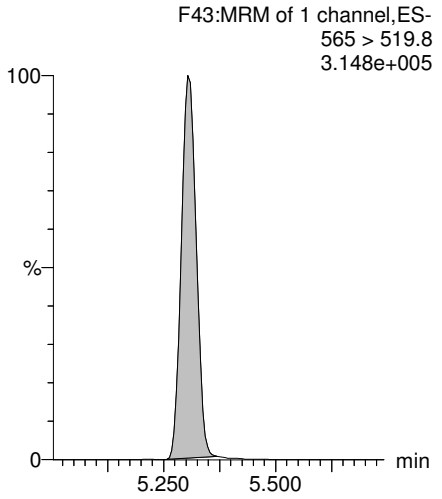
d5-N-EtFOSAA



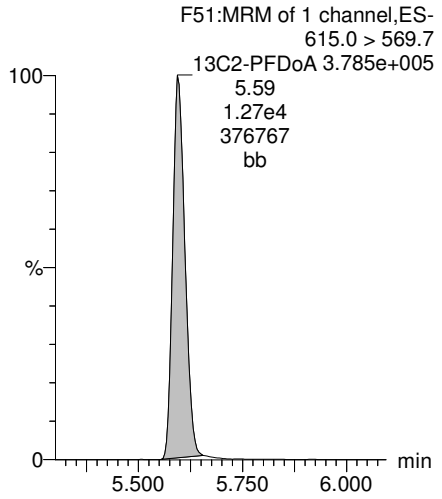
13C2-PFUdA



13C2-PFUdA



13C2-PFDoA



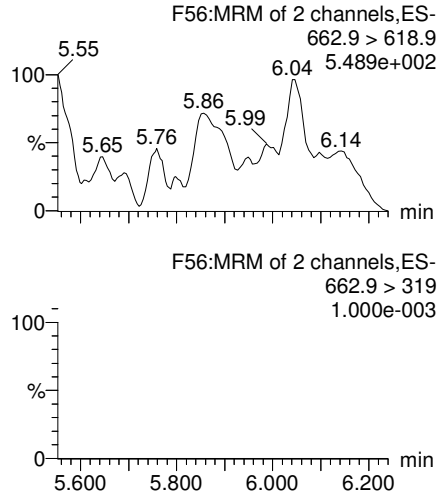
AC 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-32.qld

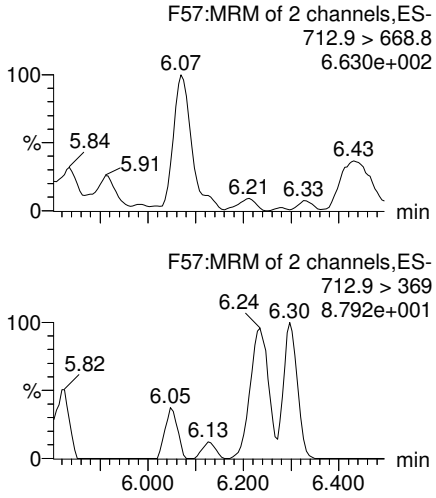
Last Altered: Friday, October 27, 2017 13:30:40 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:31:17 Pacific Daylight Time

Name: 171026M1_32, Date: 26-Oct-2017, Time: 15:02:34, ID: 1701432-08RE1 Site 4-GW-04GW03-20171004 0.11516, Description: Site 4-GW-04GW03-20171004

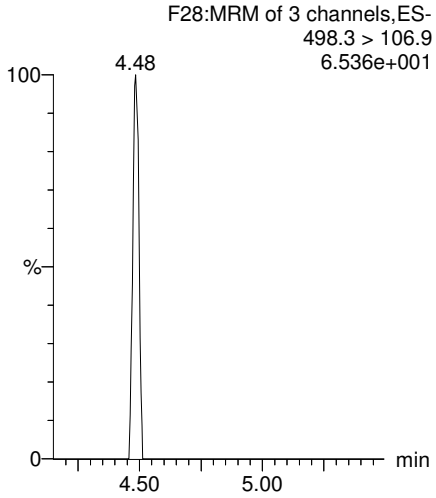
PFTrDA



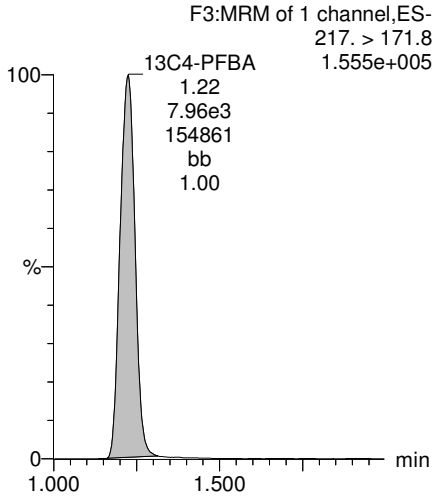
PFTeDA



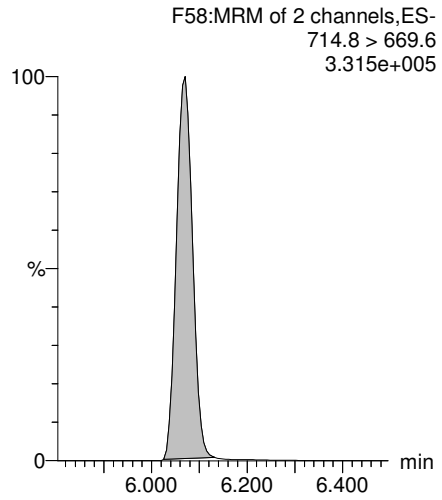
TCDA



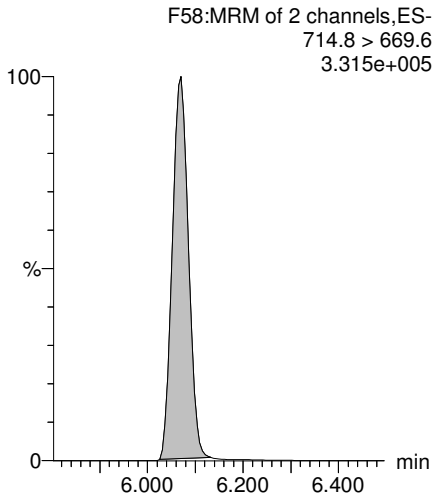
13C4-PFBA



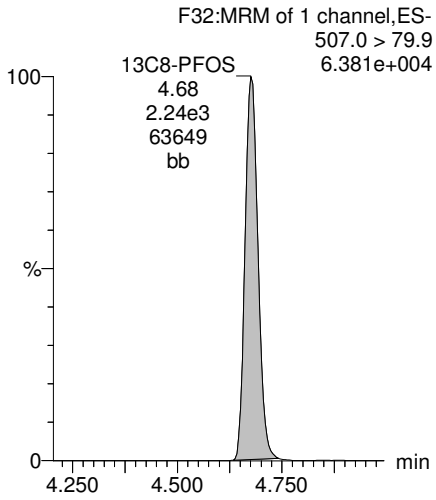
13C2-PFTeDA



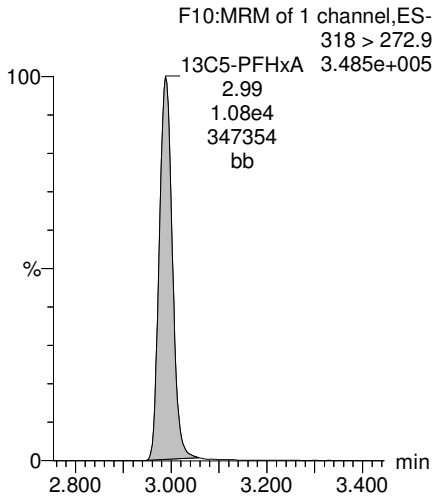
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/27/17

Vista Analytical Laboratory

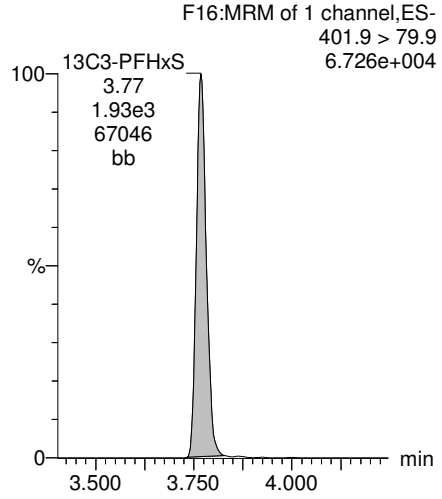
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-32.qld

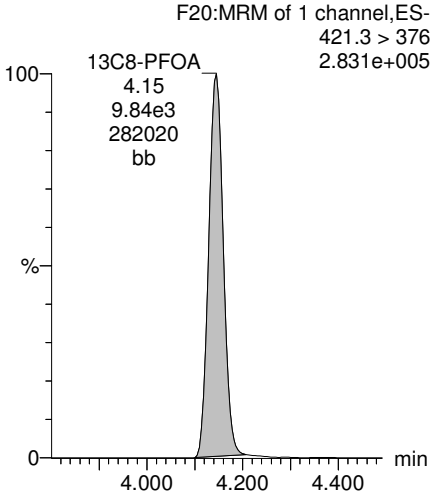
Last Altered: Friday, October 27, 2017 13:30:40 Pacific Daylight Time
Printed: Friday, October 27, 2017 13:31:17 Pacific Daylight Time

Name: 171026M1_32, Date: 26-Oct-2017, Time: 15:02:34, ID: 1701432-08RE1 Site 4-GW-04GW03-20171004 0.11516, Description: Site 4-GW-04GW03-20171004

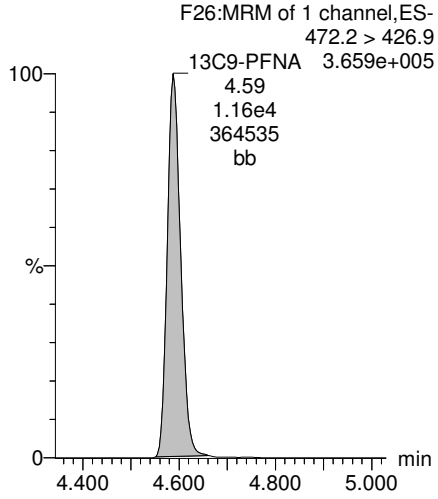
13C3-PFHxS



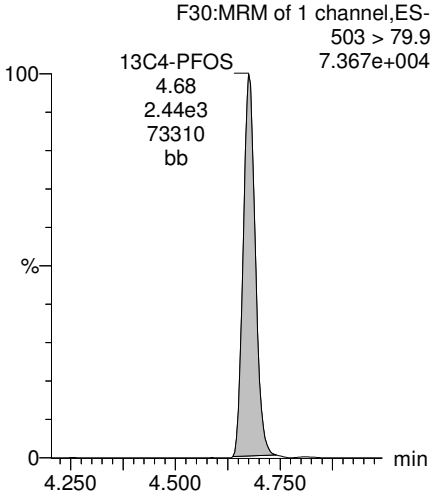
13C8-PFOA



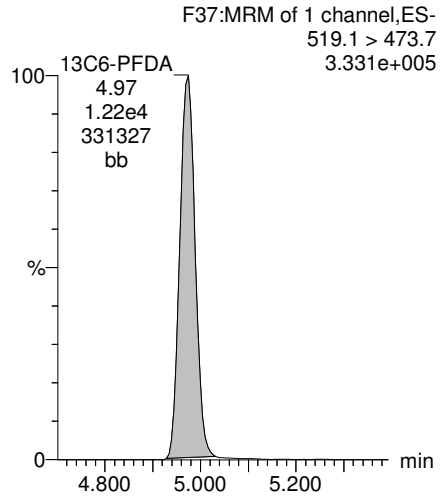
13C9-PFNA



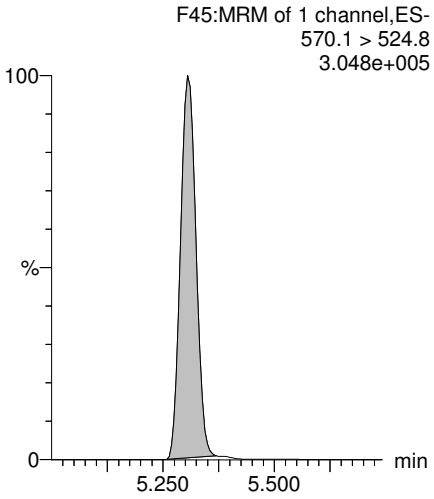
13C4-PFOS



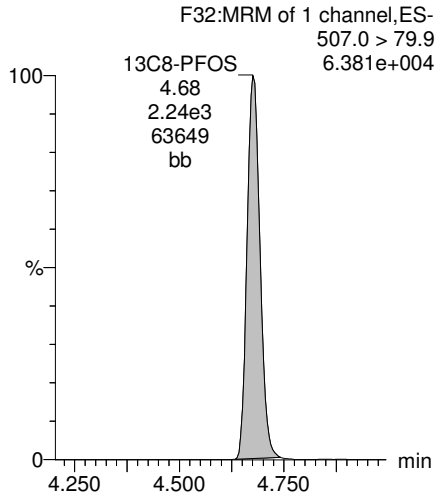
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-30.qld

Last Altered: Tuesday, October 24, 2017 11:22:53 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:23:44 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_30, Date: 16-Oct-2017, Time: 18:48:19, ID: 1701432-10 Site 4-GW-04GW02-20171004 0.125, Description: Site 4-GW-04GW02-20171004

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	1.31e4	2.80e4	0.107		1.32	1.34	5.85	51.7	
2	2	PFPeA	263.1 > 219.1	3.79e4	3.55e4	0.107		2.91	2.63	13.4	128	
3	3	PFBS	299.1 > 79.9	4.89e3	9.13e3	0.107		3.09	2.87	6.70	66.2	
4	4	PFHxA	313.2 > 268.9	1.18e5	1.26e4	0.107		3.31	3.13	47.0	300	
5	5	PFHpA	363.1 > 319.1	2.80e4	6.27e4	0.107		3.56	3.39	5.58	55.6	
6	6	L-PFHxS	399.0 > 80.0	4.16e4	3.72e3	0.107		3.63	3.47	140	549	
7	9	L-PFOA	413 > 368.7	1.97e5	4.57e4	0.107		3.77	3.60	53.8	523	
8	12	PFNA	463.1 > 419.1	1.00e3	4.60e4	0.107		3.96	3.78	0.272	1.62	
9	13	PFOSA	498.1 > 77.8		6.47e3	0.107		3.96				
10	14	L-PFOS	499 > 79.9	5.87e3	9.01e3	0.107		4.01	3.83	8.14	74.4	
11	16	PFDA	513 > 468.8		3.37e4	0.107		4.14				
12	18	N-MeFOSAA	570.1 > 419		9.10e3	0.107		4.17				
13	19	N-EtFOSAA	584.2 > 419		1.22e4	0.107		4.23				
14	20	PFUnA	562.9 > 518.9		4.84e4	0.107		4.31				
15	21	PFDS	598.9 > 80		4.84e4	0.107		4.36				
16	22	PFDoA	613.0 > 569.1		4.37e4	0.107		4.49				
17	24	PFTrDA	662.9 > 618.9		4.37e4	0.107		4.68				

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-30.qld

Last Altered: Tuesday, October 24, 2017 11:22:53 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:23:58 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_30, Date: 16-Oct-2017, Time: 18:48:19, ID: 1701432-10 Site 4-GW-04GW02-20171004 0.125, Description: Site 4-GW-04GW02-20171004

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		3.09e4	0.107		4.88				
2	31	13C3-PFBA	216.1 > 172.1	2.80e4	3.10e4	0.107	0.956	1.32	1.35	11.3	110	94.4
3	32	13C3-PFPeA	266.1 > 222.1	3.55e4	4.72e4	0.107	0.288	2.91	2.63	3.76	121	104.2
4	33	13C3-PFBS	302.1 > 79.9	9.13e3	4.72e4	0.107	0.065	3.09	2.87	0.967	138	118.4
5	34	13C2-PFHxA	315 > 269.8	1.26e4	4.72e4	0.107	0.297	3.31	3.13	1.33	41.8	89.9
6	35	13C4-PFHpA	367 > 322.1	6.27e4	4.72e4	0.107	0.641	3.56	3.40	6.64	96.3	82.8
7	36	18O2-PFHxS	403 > 103.0	3.72e3	7.74e3	0.107	0.519	3.63	3.47	6.01	108	92.6
8	37	13C2-6:2 FTS	429.1 > 408.9	7.40e3	4.44e4	0.107	0.177	3.76	3.58	2.08	109	94.0
9	38	13C2-PFOA	414.9 > 369.7	4.57e4	4.44e4	0.107	1.147	3.77	3.60	12.9	105	89.9
10	39	13C5-PFNA	468.1 > 423.1	4.60e4	5.50e4	0.107	0.939	3.96	3.77	10.5	104	89.1
11	40	13C8-PFOSA	506.1 > 78.0	6.47e3	5.92e4	0.107	0.177	3.96	3.78	1.37	71.8	61.7
12	41	13C8-PFOS	507 > 79.9	9.01e3	9.94e3	0.107	1.067	4.01	3.82	11.3	98.7	84.9
13	42	13C2-PFDA	515.1 > 469.9	3.37e4	4.98e4	0.107	0.835	4.14	3.94	8.45	94.2	81.0
14	43	13C2-8:2 FTS	529.1 > 508.7	5.71e3	4.98e4	0.107	0.118	4.14	3.93	1.43	113	97.4
15	44	d3-N-MeFOSAA	573.3 > 419	9.10e3	5.92e4	0.107	0.013	4.17	3.97	1.92	1360	89.7
16	45	d5-N-EtFOSAA	589.3 > 419	1.22e4	5.92e4	0.107	0.015	4.23	4.04	2.57	1560	103.0
17	46	13C2-PFUnA	565 > 519.8	4.84e4	5.92e4	0.107	1.017	4.31	4.10	10.2	93.6	80.5
18	47	13C2-PFDoA	615.1 > 570.1	4.37e4	5.92e4	0.107	0.984	4.49	4.26	9.24	87.3	75.1
19	49	13C2-PFTeDA	714.8 > 669.6	3.09e4	5.92e4	0.107	0.618	4.88	4.60	6.53	98.3	84.5
20	54	13C4-PFBA	217.1 > 172.1	3.10e4	3.10e4	0.107	1.000	1.32	1.35	12.5	116	100.0
21	55	13C5-PFHxA	318 > 272.9	4.72e4	4.72e4	0.107	1.000	3.31	3.13	5.00	46.5	100.0
22	56	13C3-PFHxS	402.1 > 80.0	7.74e3	7.74e3	0.107	1.000	3.63	3.46	12.5	116	100.0
23	57	13C8-PFOA	421.3 > 376	4.44e4	4.44e4	0.107	1.000	3.77	3.59	12.5	116	100.0
24	58	13C9-PFNA	472.1 > 427.1	5.50e4	5.50e4	0.107	1.000	3.96	3.77	12.5	116	100.0
25	59	13C4-PFOS	503 > 79.9	9.94e3	9.94e3	0.107	1.000	4.01	3.83	12.5	116	100.0
26	60	13C6-PFDA	519.1 > 473.7	4.98e4	4.98e4	0.107	1.000	4.14	3.94	12.5	116	100.0
27	61	13C7-PFUnA	570.1 > 524.8	5.92e4	5.92e4	0.107	1.000	4.31	4.11	12.5	116	100.0
28	62	Total PFHxS	399.0 > 80.0	4.16e4	3.72e3	0.107		3.63		140	549	
29	63	Total PFOA	413 > 368.7	2.20e5	4.57e4	0.107		3.77		60.2	582	
30	64	Total PFOS	499 > 79.9	5.87e3	9.01e3	0.107		4.01		8.14	74.4	
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	9.10e3	0.107		4.17		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	1.22e4	0.107		4.23		0.000		

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

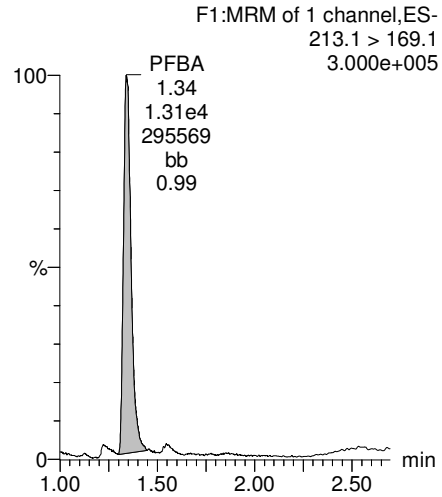
Dataset: U:\Q4.PRO\results\171016M4\171016M4-30.qld

Last Altered: Tuesday, October 24, 2017 11:22:53 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:23:44 Pacific Daylight Time

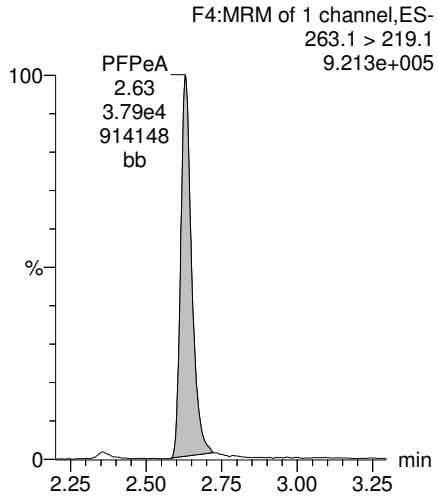
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_30, Date: 16-Oct-2017, Time: 18:48:19, ID: 1701432-10 Site 4-GW-04GW02-20171004 0.125, Description: Site 4-GW-04GW02-20171004

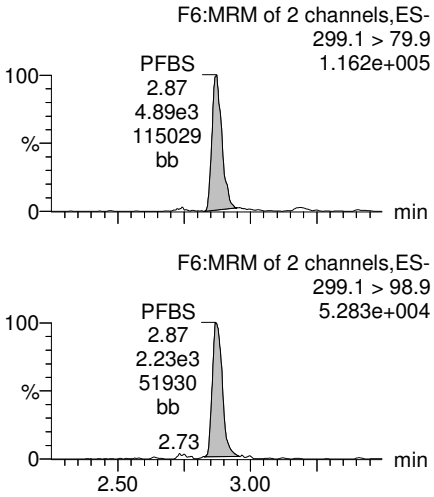
PFBA



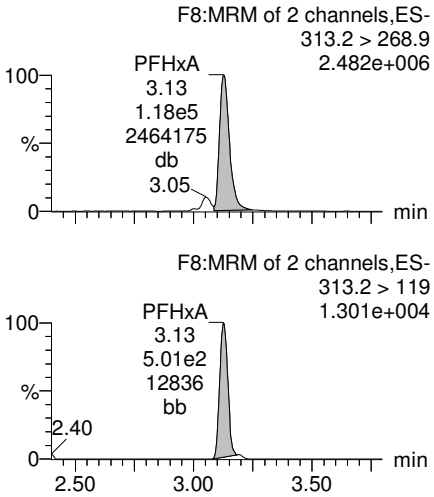
PFPeA



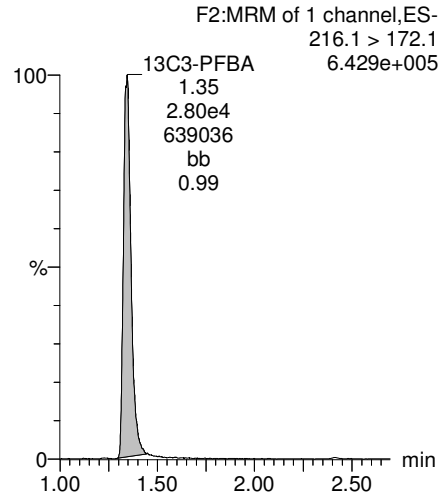
PFBS



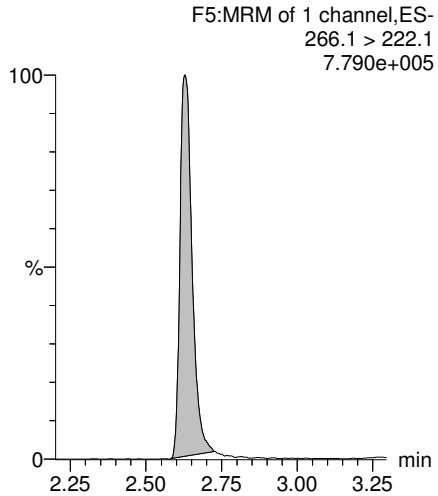
PFHxA



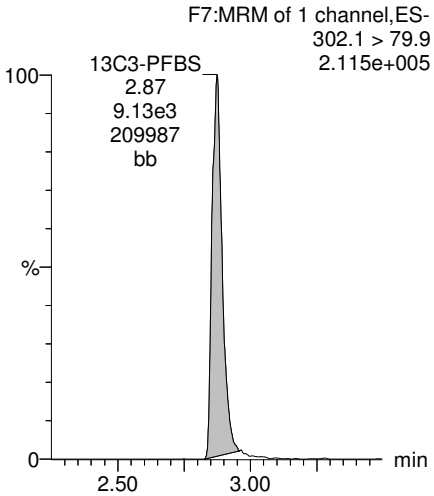
13C3-PFBA



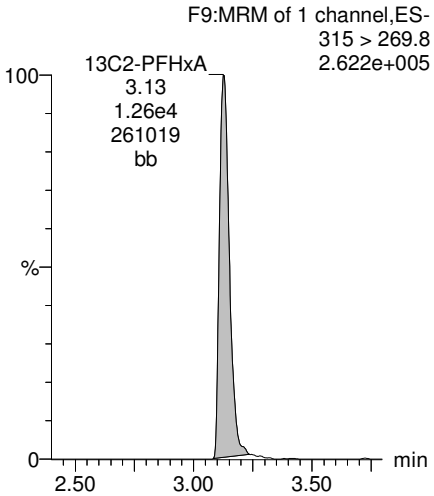
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/24/17

Vista Analytical Laboratory

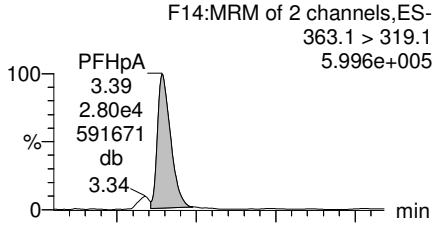
Rev'd: MM 10/27/17

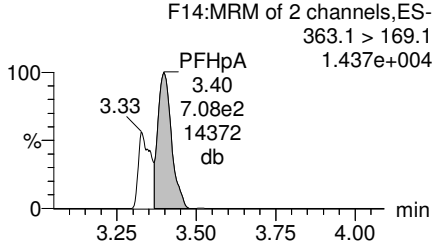
Dataset: U:\Q4.PRO\results\171016M4\171016M4-30.qld

Last Altered: Tuesday, October 24, 2017 11:22:53 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:23:44 Pacific Daylight Time

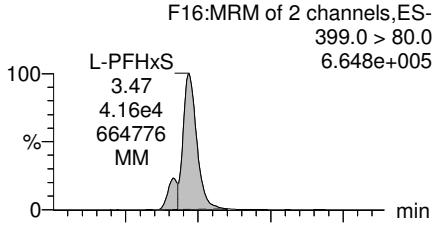
Name: 171016M4_30, Date: 16-Oct-2017, Time: 18:48:19, ID: 1701432-10 Site 4-GW-04GW02-20171004 0.125, Description: Site 4-GW-04GW02-20171004

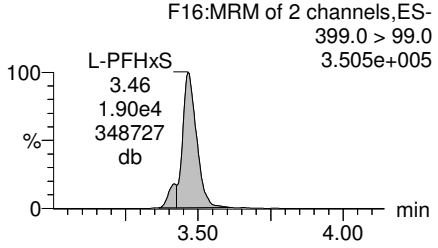
PFHpA



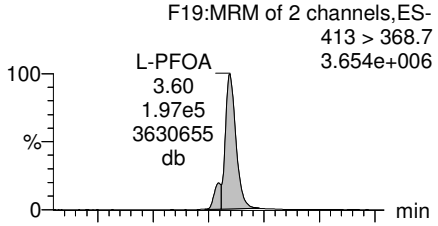


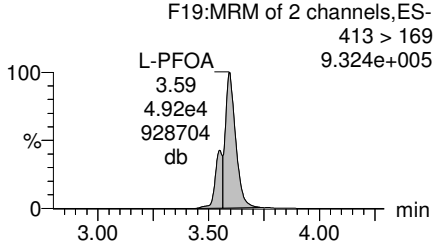
Total PFHxS



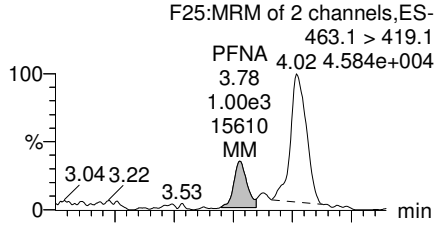


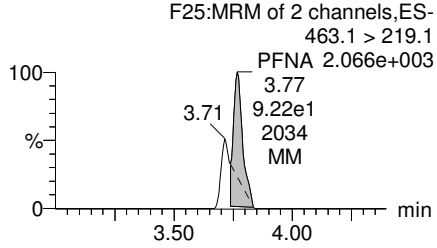
Total PFOA



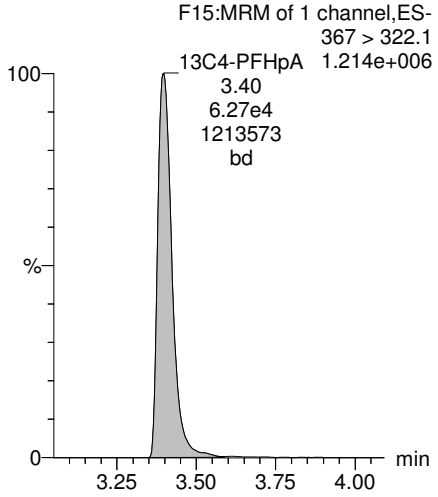


PFNA

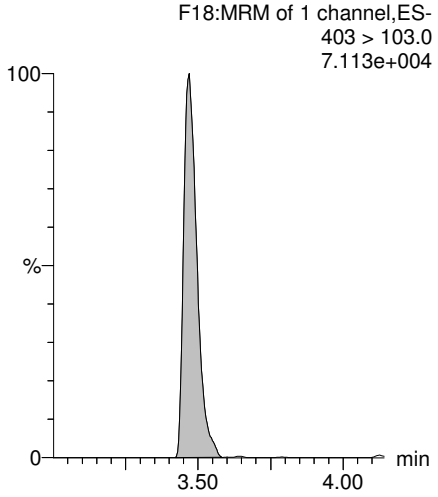




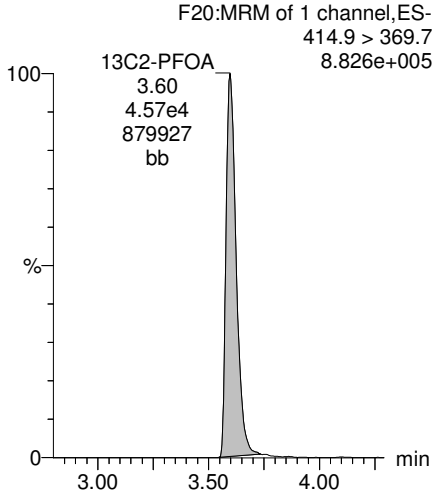
13C4-PFHpA



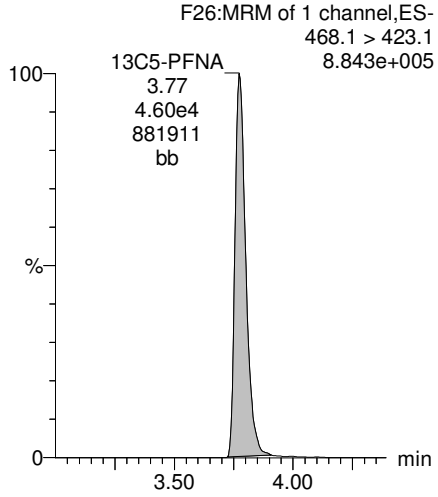
18O2-PFHxS



13C2-PFOA



13C5-PFNA



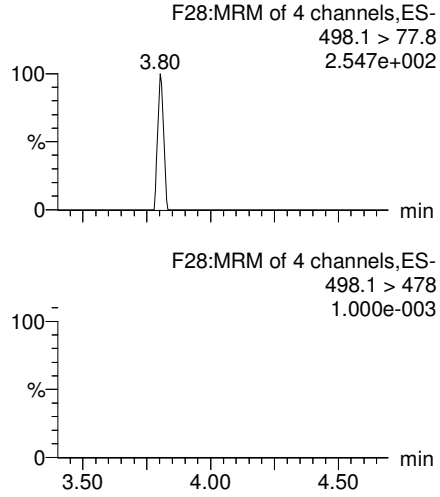
AC 10/24/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-30.qld

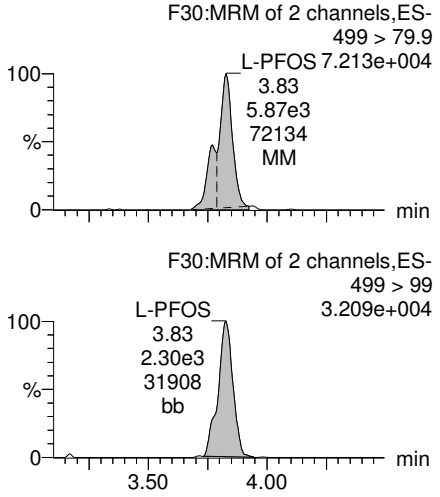
Last Altered: Tuesday, October 24, 2017 11:22:53 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:23:44 Pacific Daylight Time

Name: 171016M4_30, Date: 16-Oct-2017, Time: 18:48:19, ID: 1701432-10 Site 4-GW-04GW02-20171004 0.125, Description: Site 4-GW-04GW02-20171004

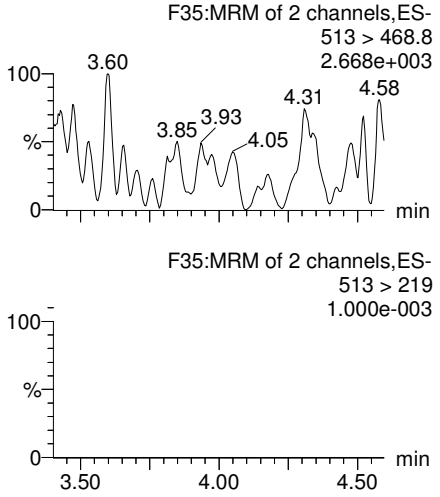
PFOSA



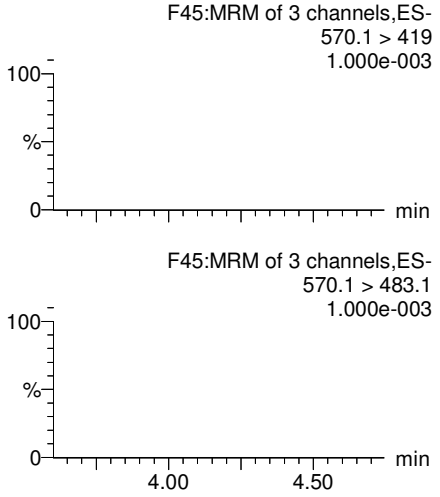
Total PFOS



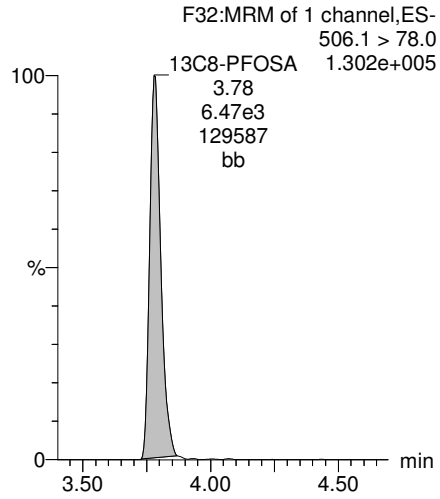
PFDA



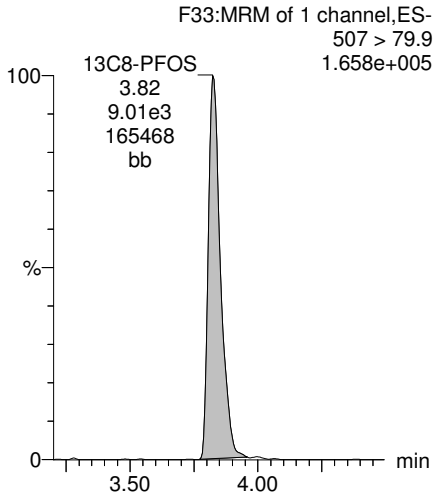
N-MeFOSAA



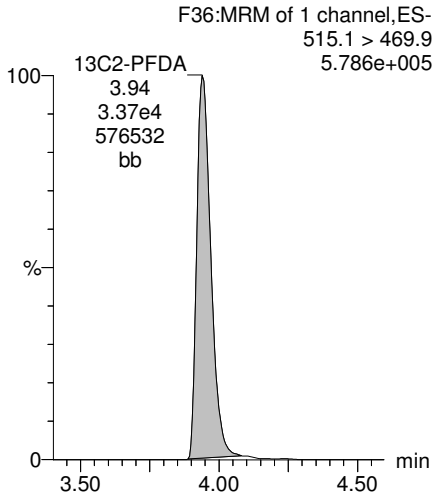
13C8-PFOSA



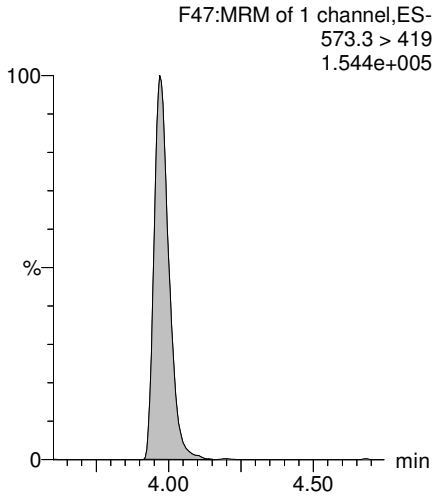
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/24/17

Vista Analytical Laboratory

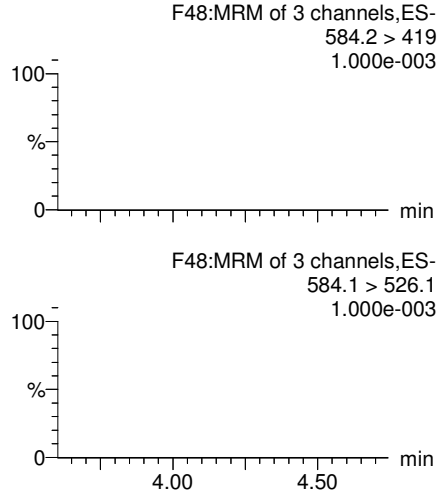
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-30.qld

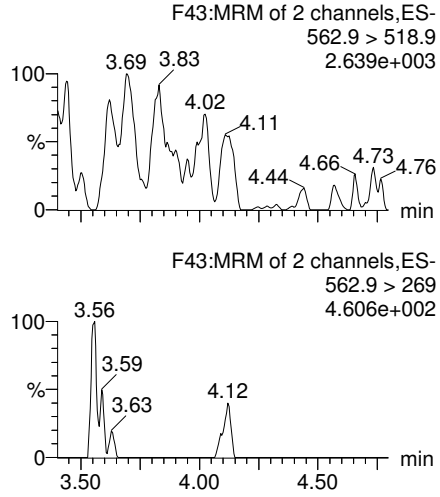
Last Altered: Tuesday, October 24, 2017 11:22:53 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:23:44 Pacific Daylight Time

Name: 171016M4_30, Date: 16-Oct-2017, Time: 18:48:19, ID: 1701432-10 Site 4-GW-04GW02-20171004 0.125, Description: Site 4-GW-04GW02-20171004

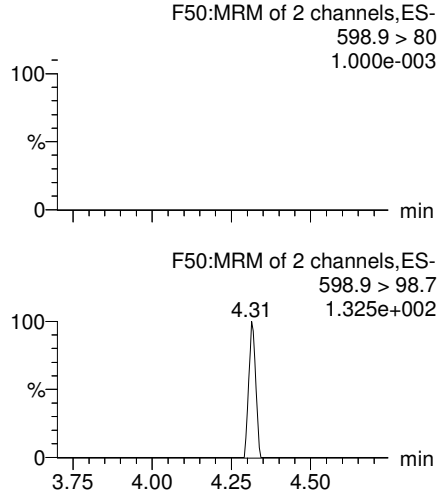
N-EtFOSAA



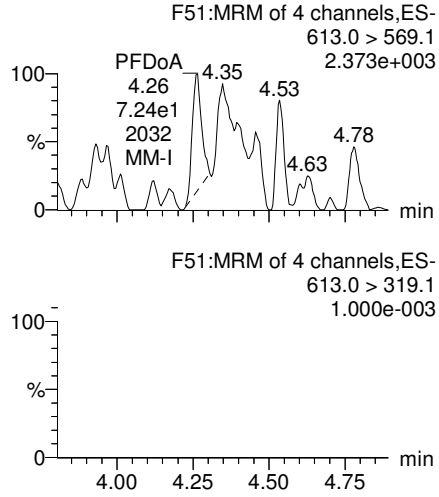
PFUnA



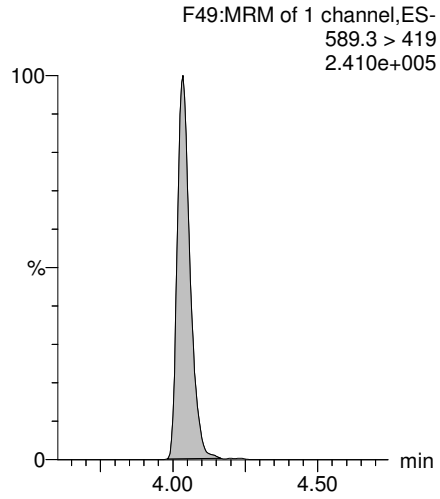
PFDS



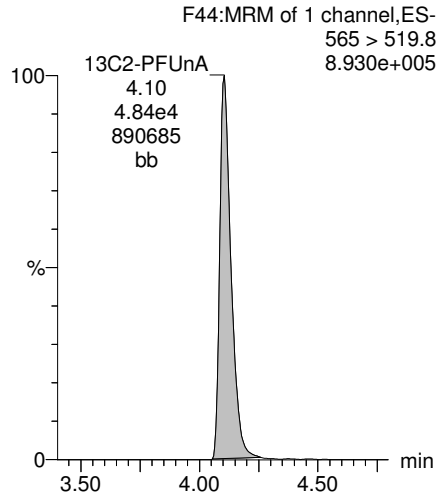
PFDoA



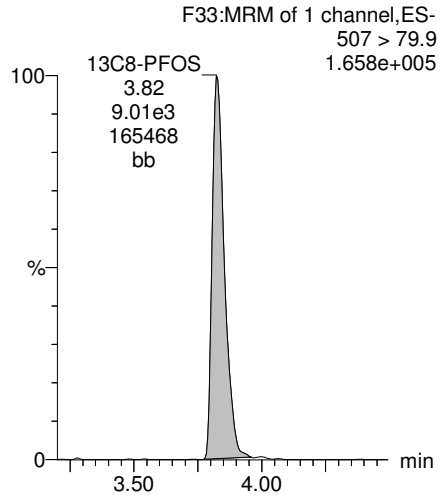
d5-N-EtFOSAA



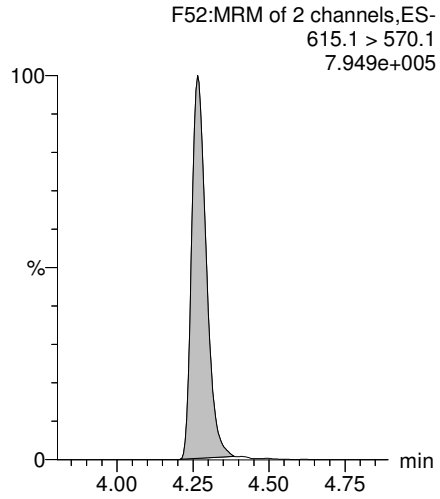
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/24/17

Vista Analytical Laboratory

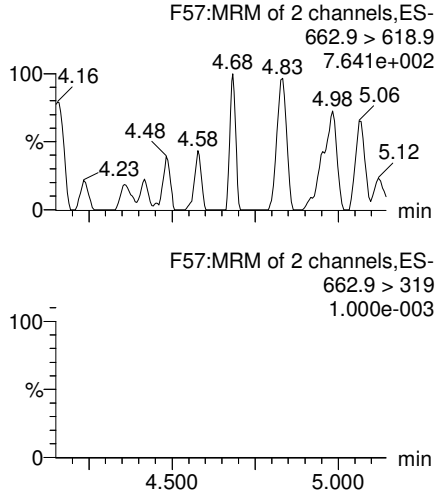
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-30.qld

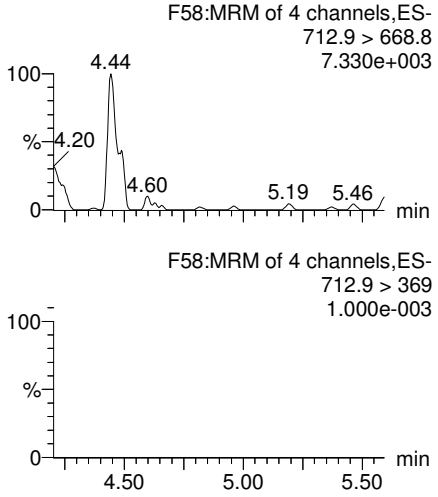
Last Altered: Tuesday, October 24, 2017 11:22:53 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:23:44 Pacific Daylight Time

Name: 171016M4_30, Date: 16-Oct-2017, Time: 18:48:19, ID: 1701432-10 Site 4-GW-04GW02-20171004 0.125, Description: Site 4-GW-04GW02-20171004

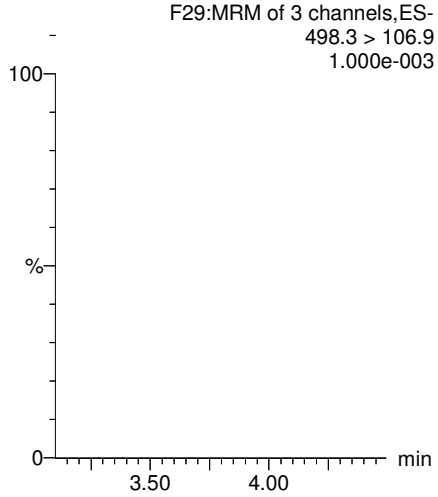
PFTrDA



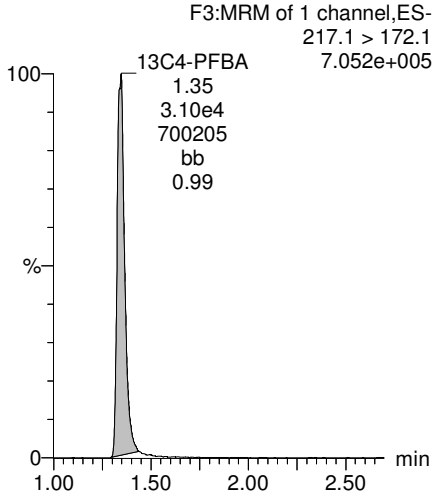
PFTeDA



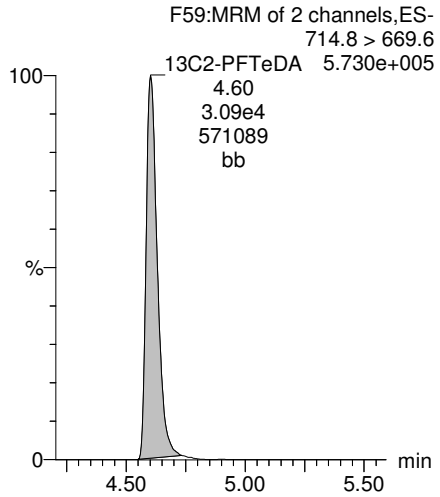
TCDA



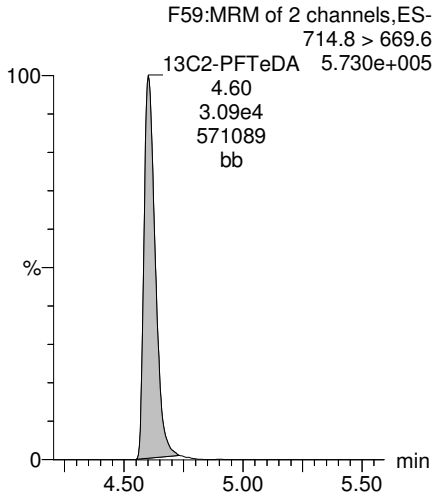
13C4-PFBA



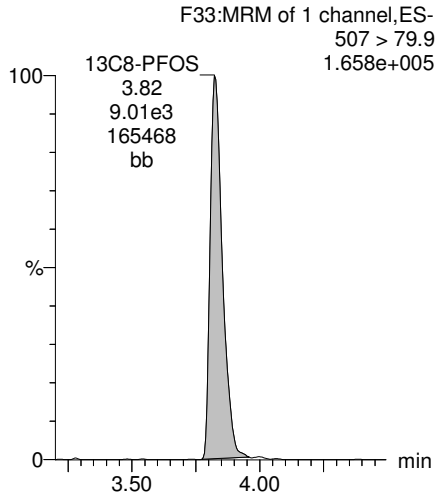
13C2-PFTeDA



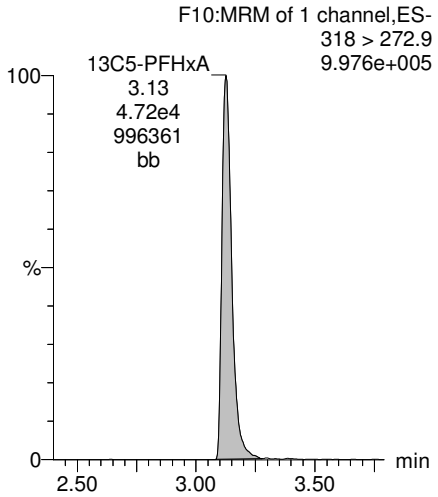
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

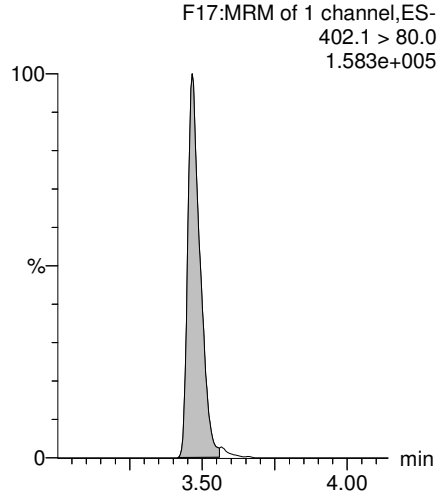
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-30.qld

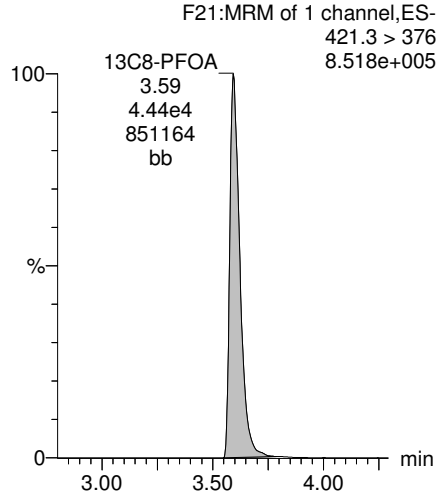
Last Altered: Tuesday, October 24, 2017 11:22:53 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:23:44 Pacific Daylight Time

Name: 171016M4_30, Date: 16-Oct-2017, Time: 18:48:19, ID: 1701432-10 Site 4-GW-04GW02-20171004 0.125, Description: Site 4-GW-04GW02-20171004

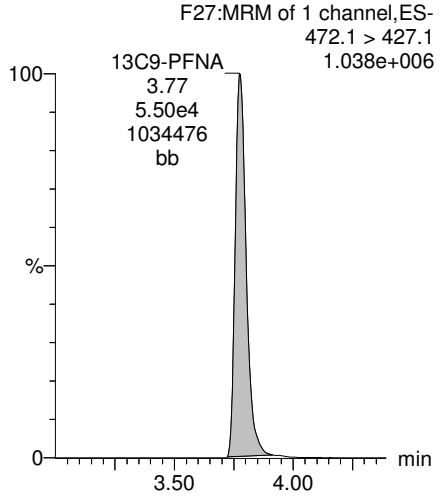
13C3-PFHxS



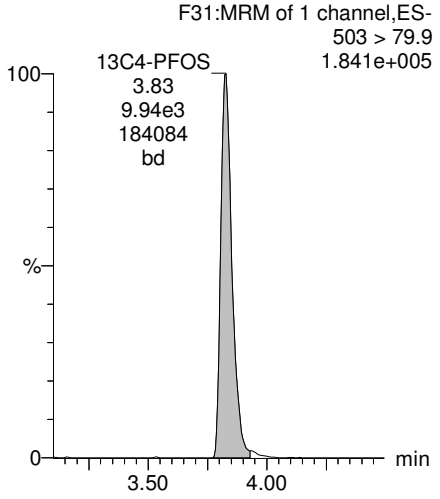
13C8-PFOA



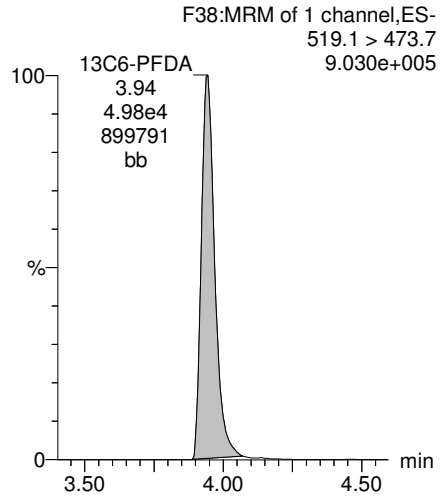
13C9-PFNA



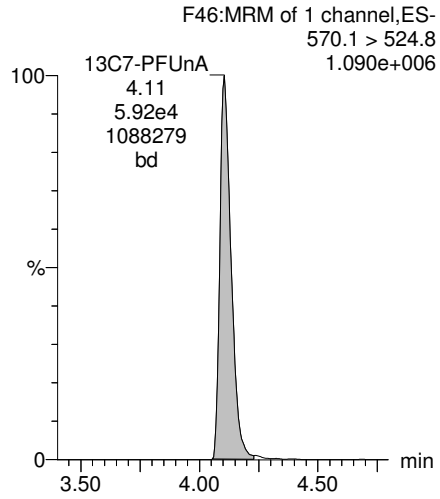
13C4-PFOS



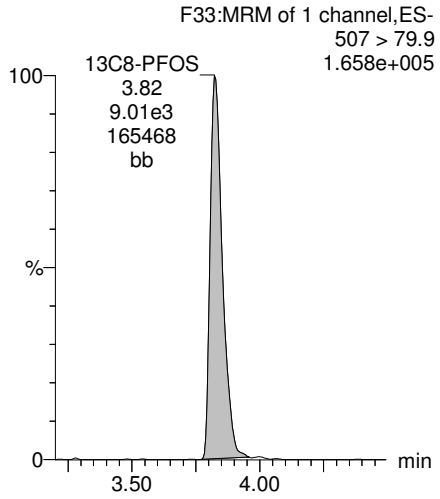
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-18.qld

Last Altered: Friday, October 27, 2017 12:41:17 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:43:22 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 25 Oct 2017 13:05:29
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_18, Date: 16-Oct-2017, Time: 16:39:24, ID: B7J0071-MS1 Matrix Spike 0.125, Description: Matrix Spike

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	3.81e4	2.95e4	0.117		1.32	1.34	16.2	132	
2	2	PFPeA	263.1 > 219.1	7.78e4	3.96e4	0.117		2.91	2.62	24.5	216	
3	3	PFBS	299.1 > 79.9	1.47e4	1.00e4	0.117		3.09	2.87	18.4	167	
4	4	PFHxA	313.2 > 268.9	1.86e5	1.41e4	0.117		3.31	3.12	65.7	386	
5	5	PFHpA	363.1 > 319.1	8.68e4	6.41e4	0.117		3.56	3.39	16.9	158	
6	6	L-PFHxS	399.0 > 80.0	5.28e4	4.05e3	0.117		3.63	3.47	163	593	
7	9	L-PFOA	413 > 368.7	2.56e5	4.97e4	0.117		3.77	3.59	64.3	575	
8	12	PFNA	463.1 > 419.1	4.12e4	4.78e4	0.117		3.96	3.77	10.8	86.9	
9	13	PFOSA	498.1 > 77.8	6.32e3	6.74e3	0.117		3.96	3.78	11.7	91.6	
10	14	L-PFOS	499 > 79.9	1.63e4	1.11e4	0.117		4.01	3.82	18.3	155	
11	16	PFDA	513 > 468.8	4.62e4	3.99e4	0.117		4.14	3.93	14.5	85.7	
12	18	N-MeFOSAA	570.1 > 419	1.25e4	1.10e4	0.117		4.17	3.97	184	79.6	
13	19	N-EtFOSAA	584.2 > 419	1.18e4	1.34e4	0.117		4.23	4.04	143	88.6	
14	20	PFUnA	562.9 > 518.9	3.16e4	5.47e4	0.117		4.31	4.10	7.23	85.9	
15	21	PFDS	598.9 > 80	8.36e3	5.47e4	0.117		4.36	4.15	1.91	98.0	
16	22	PFDoA	613.0 > 569.1	4.73e4	5.45e4	0.117		4.49	4.26	10.8	86.7	
17	24	PFTrDA	662.9 > 618.9	4.98e4	5.45e4	0.117		4.68	4.42	11.4	96.5	

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-18.qld

Last Altered: Friday, October 27, 2017 12:41:17 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:44:52 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 25 Oct 2017 13:05:29
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_18, Date: 16-Oct-2017, Time: 16:39:24, ID: B7J0071-MS1 Matrix Spike 0.125, Description: Matrix Spike

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8	3.18e4	3.83e4	0.117		4.88	4.60	10.4	88.0	
2	31	13C3-PFBA	216.1 > 172.1	2.95e4	3.36e4	0.117	0.956	1.32	1.33	11.0	97.8	91.7
3	32	13C3-PFPeA	266.1 > 222.1	3.96e4	5.32e4	0.117	0.288	2.91	2.62	3.73	110	103.3
4	33	13C3-PFBS	302.1 > 79.9	1.00e4	5.32e4	0.117	0.065	3.09	2.87	0.941	123	115.2
5	34	13C2-PFHxA	315 > 269.8	1.41e4	5.32e4	0.117	0.297	3.31	3.12	1.33	38.2	89.5
6	35	13C4-PFHpA	367 > 322.1	6.41e4	5.32e4	0.117	0.641	3.56	3.39	6.02	80.1	75.1
7	36	18O2-PFHxS	403 > 103.0	4.05e3	8.06e3	0.117	0.519	3.63	3.47	6.28	103	96.7
8	37	13C2-6:2 FTS	429.1 > 408.9	9.65e3	5.06e4	0.117	0.177	3.76	3.58	2.39	115	107.7
9	38	13C2-PFOA	414.9 > 369.7	4.97e4	5.06e4	0.117	1.147	3.77	3.59	12.3	91.5	85.8
10	39	13C5-PFNA	468.1 > 423.1	4.78e4	6.03e4	0.117	0.939	3.96	3.77	9.91	90.1	84.4
11	40	13C8-PFOSA	506.1 > 78.0	6.74e3	6.99e4	0.117	0.177	3.96	3.77	1.21	58.1	54.4
12	41	13C8-PFOS	507 > 79.9	1.11e4	1.12e4	0.117	1.067	4.01	3.82	12.4	99.0	92.8
13	42	13C2-PFDA	515.1 > 469.9	3.99e4	6.15e4	0.117	0.835	4.14	3.94	8.10	82.9	77.6
14	43	13C2-8:2 FTS	529.1 > 508.7	6.87e3	6.15e4	0.117	0.118	4.14	3.93	1.40	101	94.9
15	44	d3-N-MeFOSAA	573.3 > 419	1.10e4	6.99e4	0.117	0.013	4.17	3.97	1.98	1280	92.1
16	45	d5-N-EtFOSAA	589.3 > 419	1.34e4	6.99e4	0.117	0.015	4.23	4.03	2.39	1330	95.9
17	46	13C2-PFUnA	565 > 519.8	5.47e4	6.99e4	0.117	1.017	4.31	4.10	9.77	82.1	76.9
18	47	13C2-PFDoA	615.1 > 570.1	5.45e4	6.99e4	0.117	0.984	4.49	4.26	9.74	84.5	79.2
19	49	13C2-PFTeDA	714.8 > 669.6	3.83e4	6.99e4	0.117	0.618	4.88	4.60	6.84	94.6	88.6
20	54	13C4-PFBA	217.1 > 172.1	3.36e4	3.36e4	0.117	1.000	1.32	1.34	12.5	107	100.0
21	55	13C5-PFHxA	318 > 272.9	5.32e4	5.32e4	0.117	1.000	3.31	3.12	5.00	42.7	100.0
22	56	13C3-PFHxS	402.1 > 80.0	8.06e3	8.06e3	0.117	1.000	3.63	3.47	12.5	107	100.0
23	57	13C8-PFOA	421.3 > 376	5.06e4	5.06e4	0.117	1.000	3.77	3.59	12.5	107	100.0
24	58	13C9-PFNA	472.1 > 427.1	6.03e4	6.03e4	0.117	1.000	3.96	3.77	12.5	107	100.0
25	59	13C4-PFOS	503 > 79.9	1.12e4	1.12e4	0.117	1.000	4.01	3.82	12.5	107	100.0
26	60	13C6-PFDA	519.1 > 473.7	6.15e4	6.15e4	0.117	1.000	4.14	3.94	12.5	107	100.0
27	61	13C7-PFUnA	570.1 > 524.8	6.99e4	6.99e4	0.117	1.000	4.31	4.10	12.5	107	100.0
28	62	Total PFHxS	399.0 > 80.0	5.28e4	4.05e3	0.117		3.63		163	593	
29	63	Total PFOA	413 > 368.7	2.89e5	4.97e4	0.117		3.77		72.6	645	
30	64	Total PFOS	499 > 79.9	1.63e4	1.11e4	0.117		4.01		18.3	155	
31	65	Total N-MeFOSAA	570.1 > 419	1.26e4	1.10e4	0.117		4.17		186	81.1	
32	66	Total N-EtFOSAA	584.2 > 419	1.18e4	1.34e4	0.117		4.23		143	88.6	

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

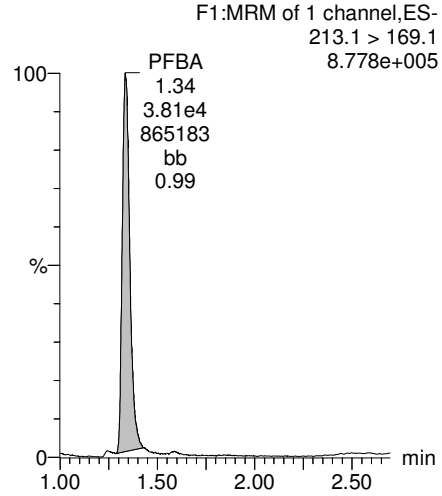
Dataset: U:\Q4.PRO\results\171016M4\171016M4-18.qld

Last Altered: Friday, October 27, 2017 12:41:17 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:43:22 Pacific Daylight Time

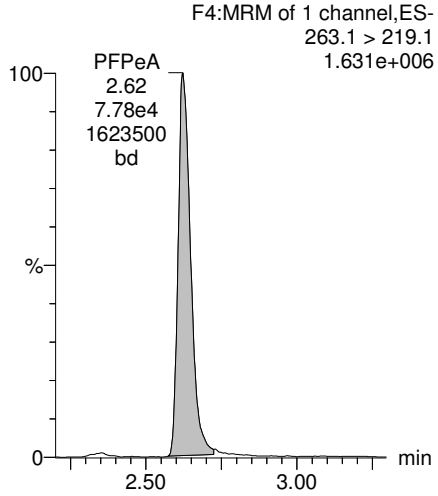
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 25 Oct 2017 13:05:29
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_18, Date: 16-Oct-2017, Time: 16:39:24, ID: B7J0071-MS1 Matrix Spike 0.125, Description: Matrix Spike

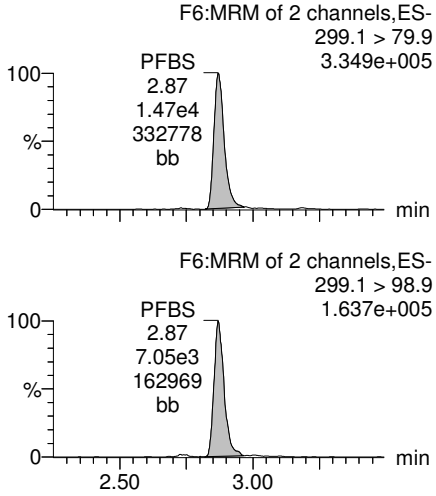
PFBA



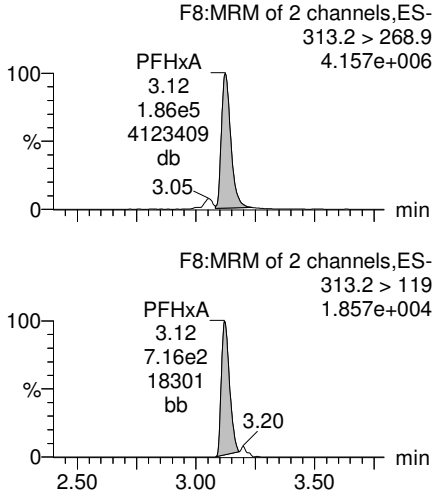
PFPeA



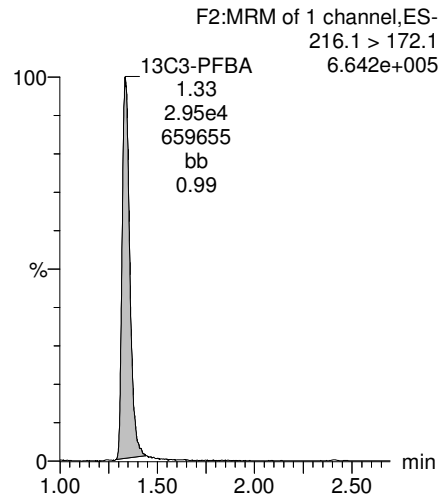
PFBS



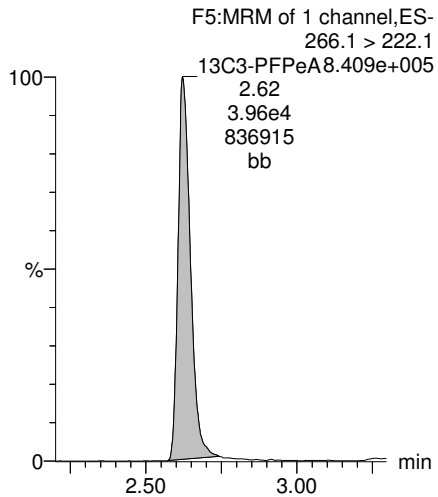
PFHxA



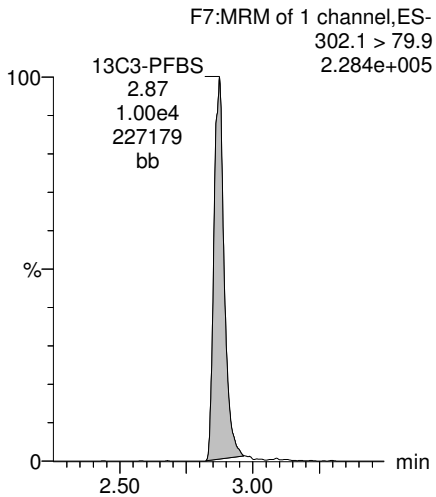
13C3-PFBA



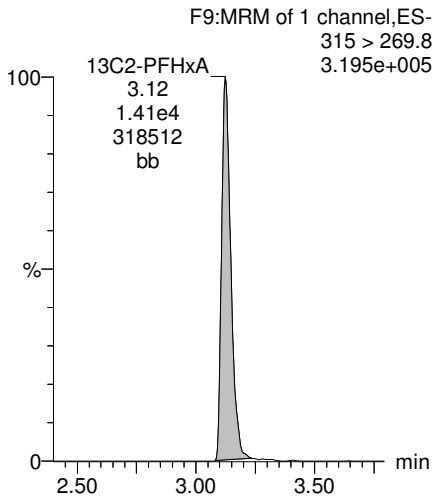
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/27/17

Vista Analytical Laboratory

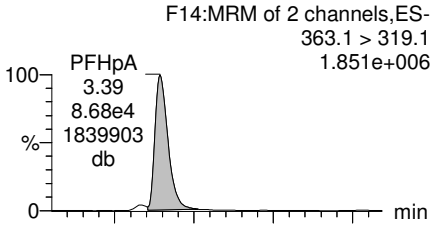
Rev'd: MM 10/30/17

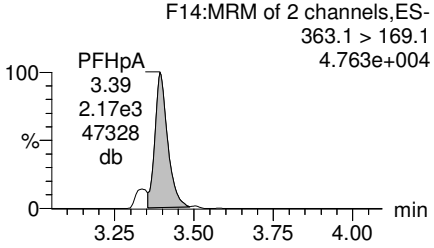
Dataset: U:\Q4.PRO\results\171016M4\171016M4-18.qld

Last Altered: Friday, October 27, 2017 12:41:17 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:43:22 Pacific Daylight Time

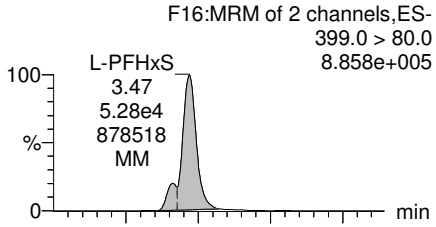
Name: 171016M4_18, Date: 16-Oct-2017, Time: 16:39:24, ID: B7J0071-MS1 Matrix Spike 0.125, Description: Matrix Spike

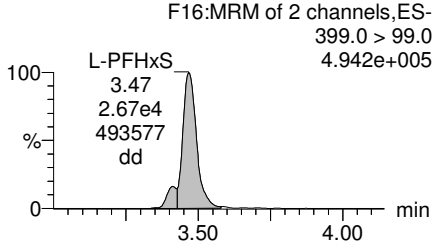
PFHpA



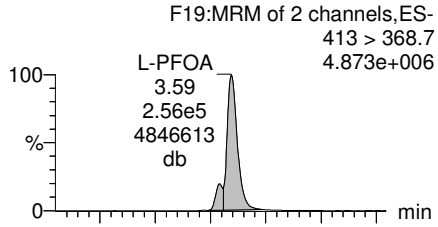


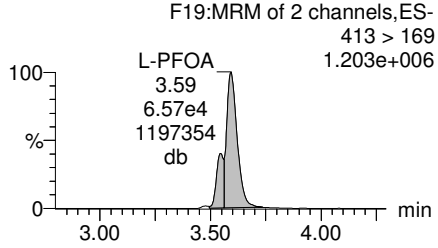
Total PFHxS



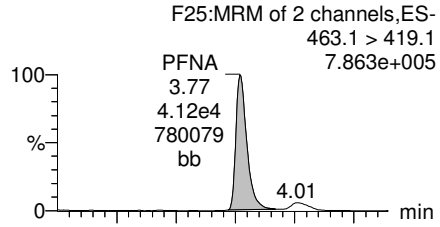


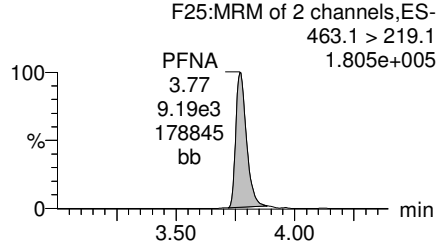
Total PFOA



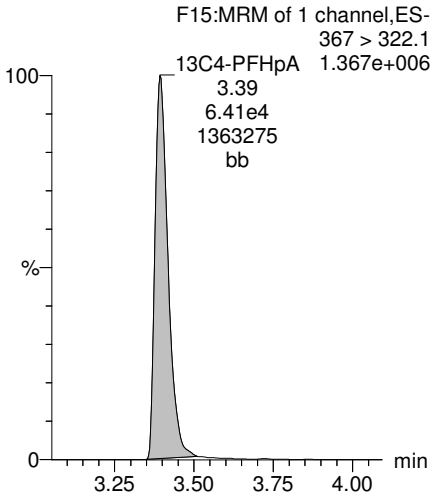


PFNA

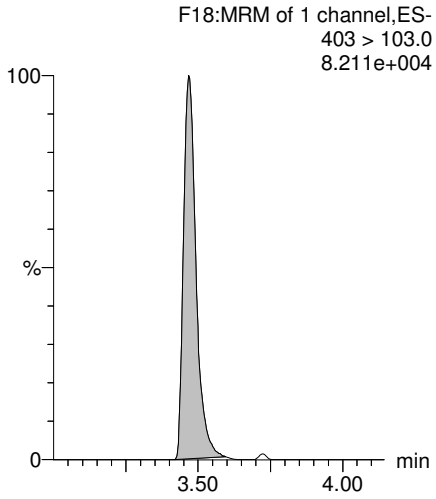




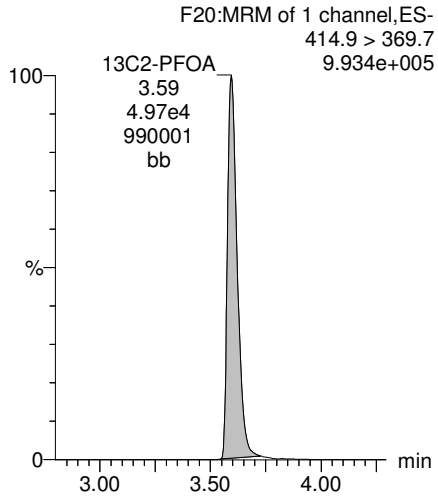
13C4-PFHpA



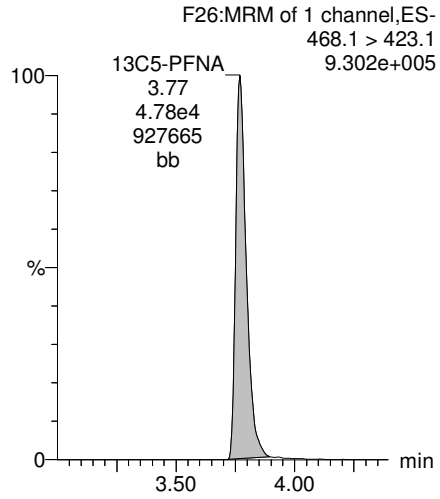
18O2-PFHxS



13C2-PFOA



13C5-PFNA



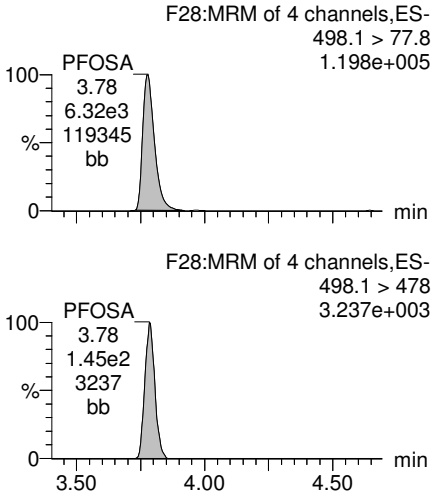
AC 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-18.qld

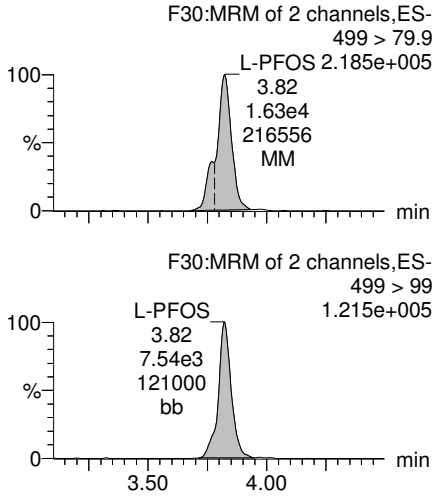
Last Altered: Friday, October 27, 2017 12:41:17 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:43:22 Pacific Daylight Time

Name: 171016M4_18, Date: 16-Oct-2017, Time: 16:39:24, ID: B7J0071-MS1 Matrix Spike 0.125, Description: Matrix Spike

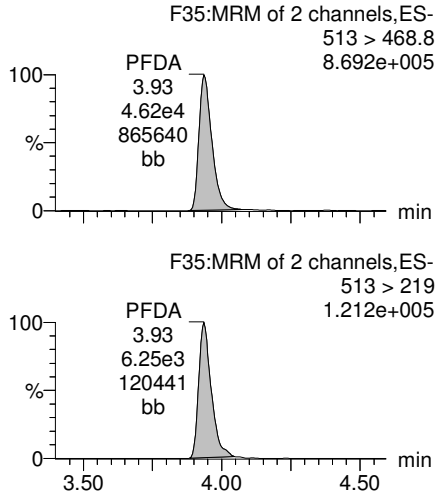
PFOSA



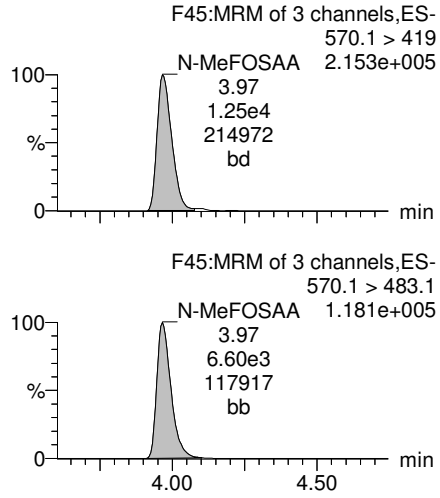
Total PFOS



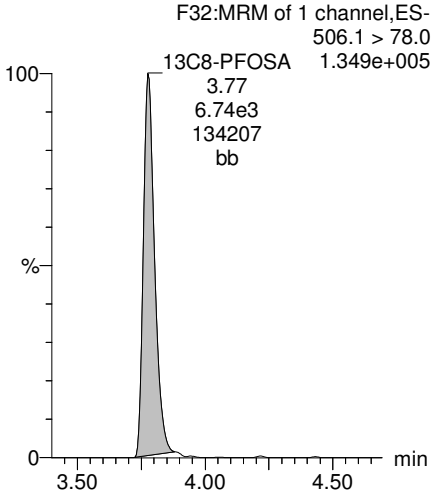
PFDA



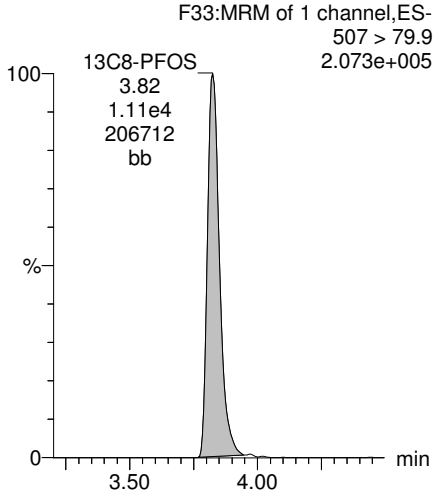
N-MeFOSAA



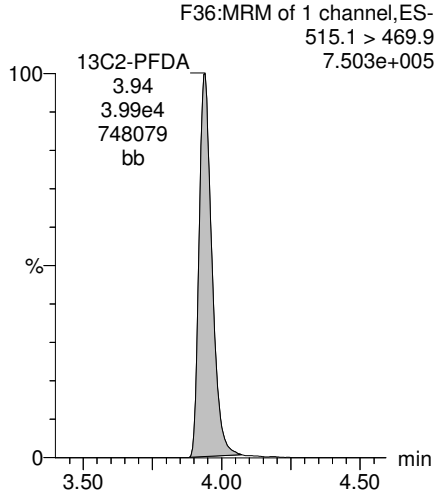
13C8-PFOSA



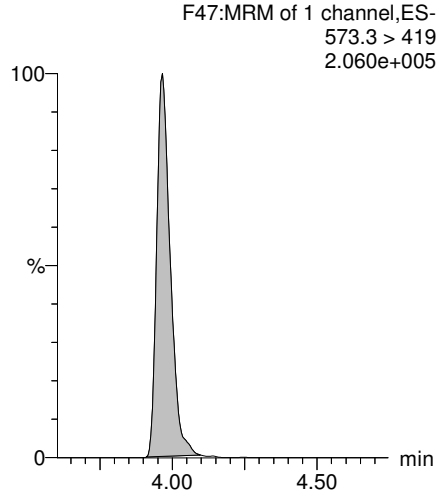
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/27/17

Vista Analytical Laboratory

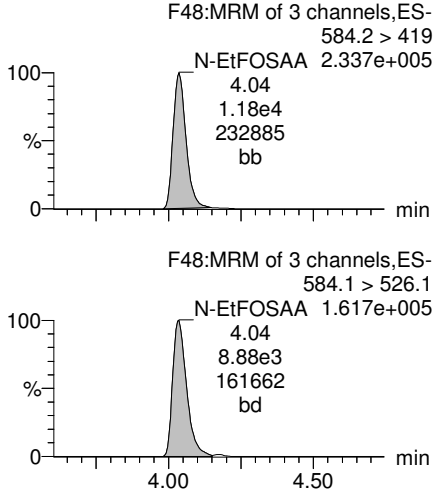
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-18.qld

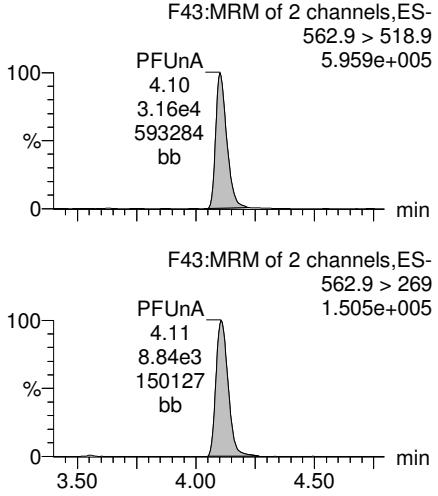
Last Altered: Friday, October 27, 2017 12:41:17 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:43:22 Pacific Daylight Time

Name: 171016M4_18, Date: 16-Oct-2017, Time: 16:39:24, ID: B7J0071-MS1 Matrix Spike 0.125, Description: Matrix Spike

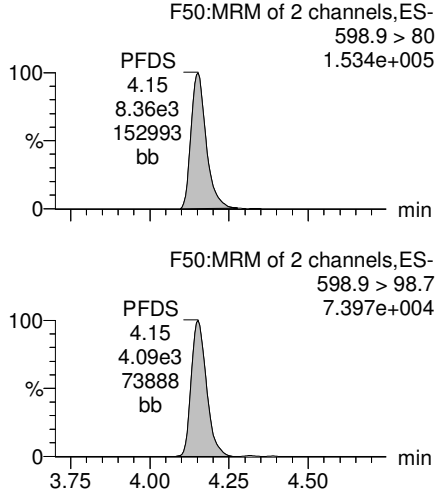
N-EtFOSAA



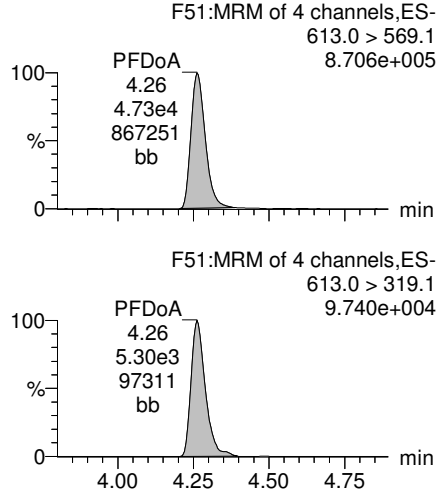
PFUnA



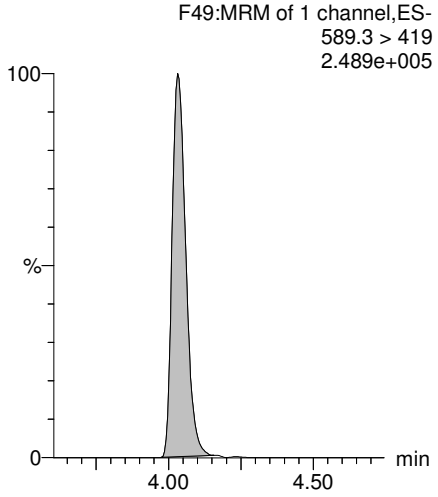
PFDS



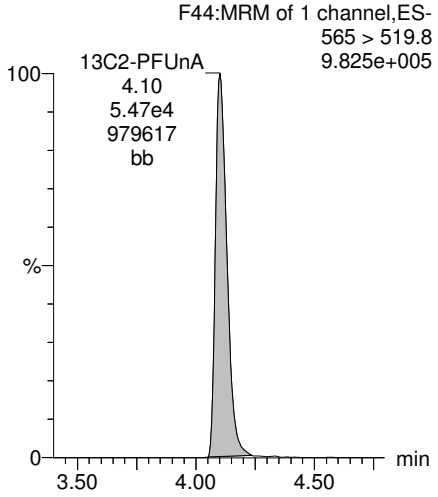
PFDoA



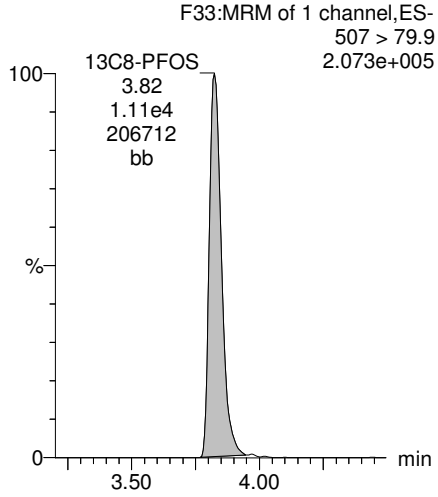
d5-N-EtFOSAA



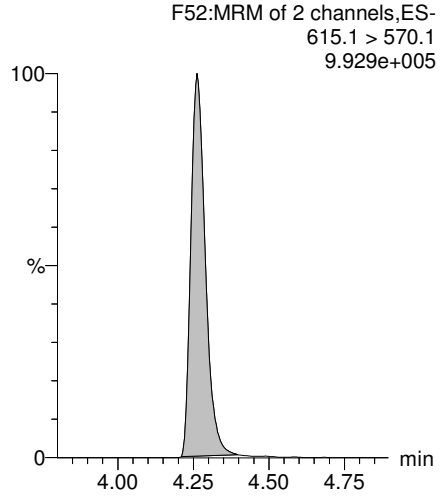
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/27/17

Vista Analytical Laboratory

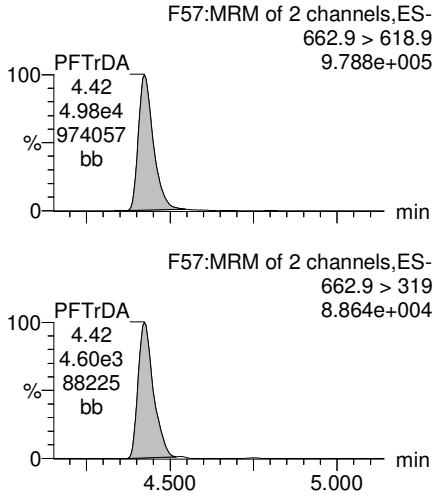
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-18.qld

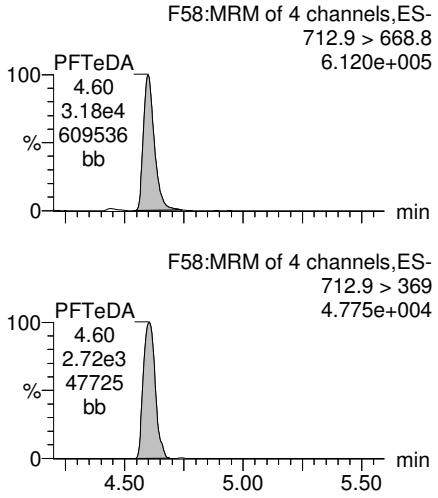
Last Altered: Friday, October 27, 2017 12:41:17 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:43:22 Pacific Daylight Time

Name: 171016M4_18, Date: 16-Oct-2017, Time: 16:39:24, ID: B7J0071-MS1 Matrix Spike 0.125, Description: Matrix Spike

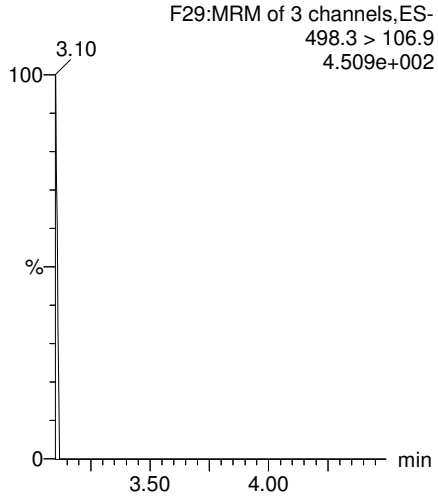
PFTrDA



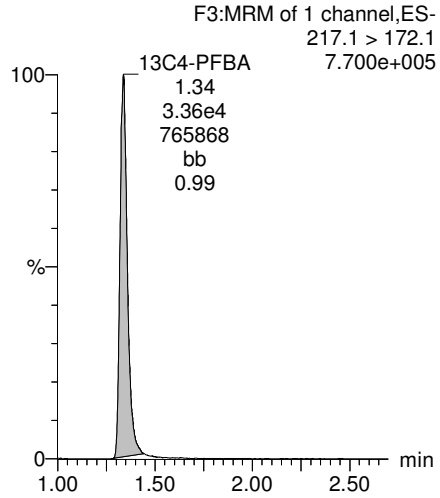
PFTeDA



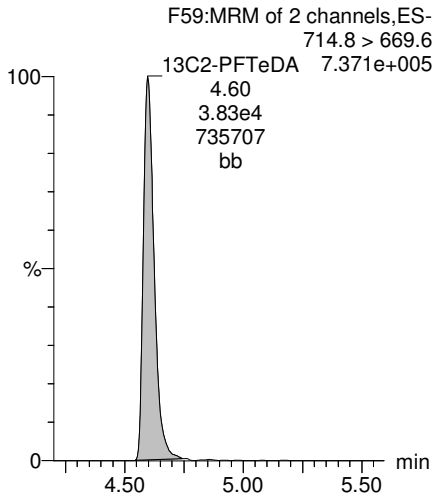
TCDA



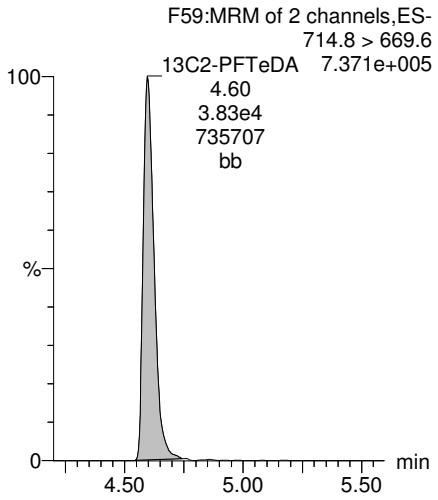
13C4-PFBA



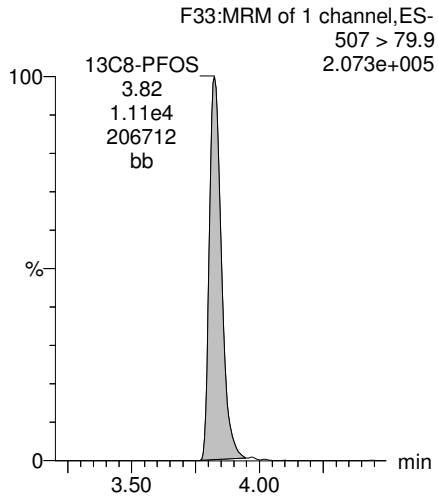
13C2-PFTeDA



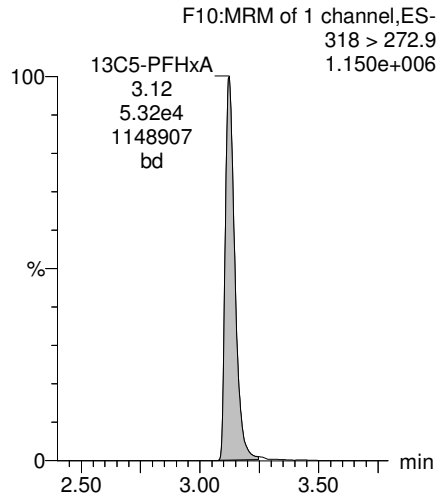
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/27/17

Vista Analytical Laboratory

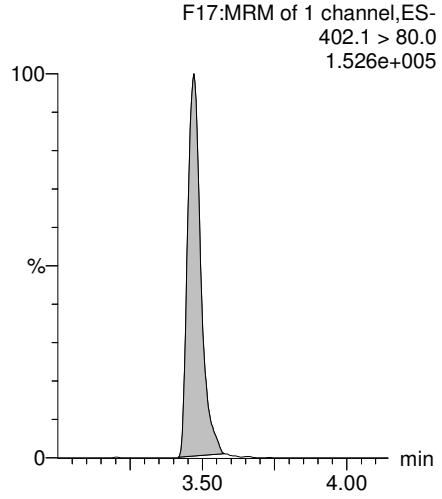
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-18.qld

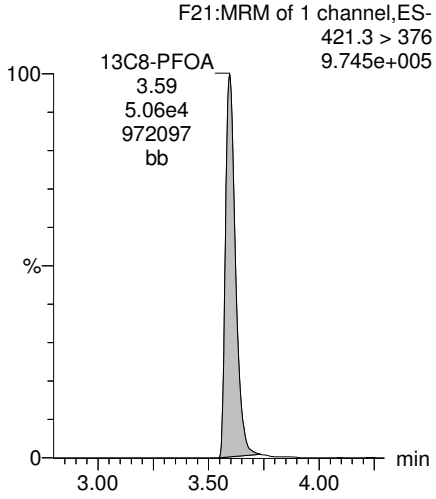
Last Altered: Friday, October 27, 2017 12:41:17 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:43:22 Pacific Daylight Time

Name: 171016M4_18, Date: 16-Oct-2017, Time: 16:39:24, ID: B7J0071-MS1 Matrix Spike 0.125, Description: Matrix Spike

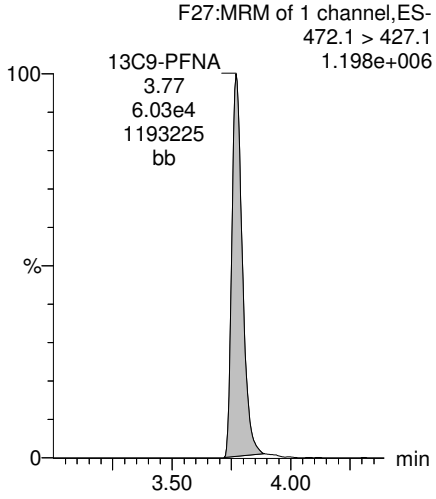
13C3-PFHxS



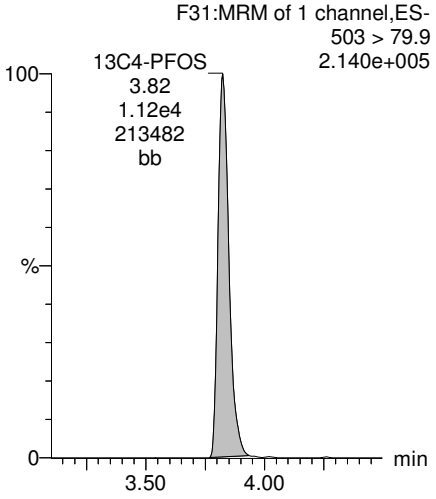
13C8-PFOA



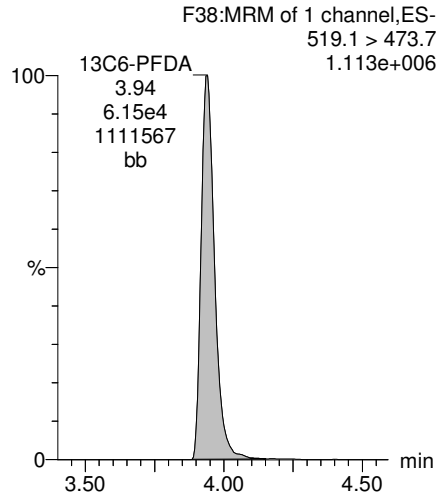
13C9-PFNA



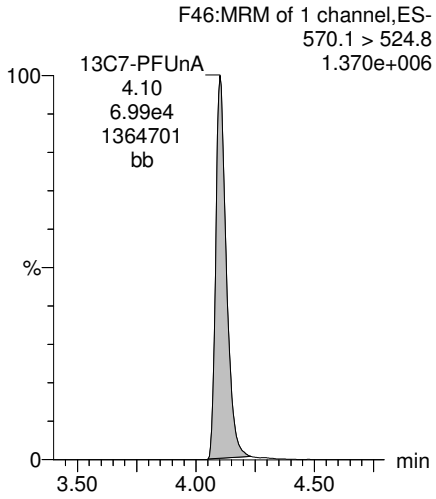
13C4-PFOS



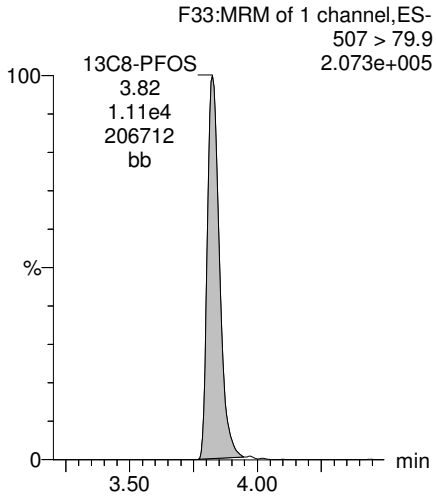
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-19.qld

Last Altered: Friday, October 27, 2017 12:47:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:50:06 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 25 Oct 2017 13:05:29
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_19, Date: 16-Oct-2017, Time: 16:50:10, ID: B7J0071-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	3.38e4	2.60e4	0.110		1.32	1.34	16.3	141	
2	2	PFPeA	263.1 > 219.1	6.69e4	3.43e4	0.110		2.91	2.63	24.4	228	
3	3	PFBS	299.1 > 79.9	1.24e4	9.18e3	0.110		3.09	2.88	16.9	163	
4	4	PFHxA	313.2 > 268.9	1.57e5	1.25e4	0.110		3.31	3.13	62.6	390	
5	5	PFHpA	363.1 > 319.1	7.58e4	5.71e4	0.110		3.56	3.40	16.6	164	
6	6	L-PFHxS	399.0 > 80.0	4.34e4	3.10e3	0.110		3.63	3.47	175	678	
7	9	L-PFOA	413 > 368.7	2.23e5	4.46e4	0.110		3.77	3.60	62.5	593	
8	12	PFNA	463.1 > 419.1	3.50e4	3.77e4	0.110		3.96	3.78	11.6	99.4	
9	13	PFOSA	498.1 > 77.8	4.93e3	5.56e3	0.110		3.96	3.78	11.1	91.9	
10	14	L-PFOS	499 > 79.9	1.27e4	9.02e3	0.110		4.01	3.83	17.6	158	
11	16	PFDA	513 > 468.8	3.70e4	3.17e4	0.110		4.14	3.94	14.6	91.7	
12	18	N-MeFOSAA	570.1 > 419	1.01e4	8.26e3	0.110		4.17	3.97	200	91.8	
13	19	N-EtFOSAA	584.2 > 419	1.07e4	1.18e4	0.110		4.23	4.04	148	97.3	
14	20	PFUnA	562.9 > 518.9	2.52e4	4.06e4	0.110		4.31	4.11	7.76	97.8	
15	21	PFDS	598.9 > 80	6.34e3	4.06e4	0.110		4.36	4.16	1.95	106	
16	22	PFDoA	613.0 > 569.1	4.09e4	4.31e4	0.110		4.49	4.27	11.9	101	
17	24	PFTrDA	662.9 > 618.9	3.90e4	4.31e4	0.110		4.68	4.43	11.3	101	

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-19.qld

Last Altered: Friday, October 27, 2017 12:47:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:50:45 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 25 Oct 2017 13:05:29
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_19, Date: 16-Oct-2017, Time: 16:50:10, ID: B7J0071-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8	2.54e4	3.08e4	0.110		4.88	4.60	10.3	92.6	
2	31	13C3-PFBA	216.1 > 172.1	2.60e4	2.97e4	0.110	0.956	1.32	1.34	10.9	104	91.4
3	32	13C3-PFPeA	266.1 > 222.1	3.43e4	4.59e4	0.110	0.288	2.91	2.63	3.74	117	103.6
4	33	13C3-PFBS	302.1 > 79.9	9.18e3	4.59e4	0.110	0.065	3.09	2.87	1.00	139	122.5
5	34	13C2-PFHxA	315 > 269.8	1.25e4	4.59e4	0.110	0.297	3.31	3.13	1.36	41.6	91.8
6	35	13C4-PFHpA	367 > 322.1	5.71e4	4.59e4	0.110	0.641	3.56	3.40	6.22	87.8	77.5
7	36	18O2-PFHxS	403 > 103.0	3.10e3	7.61e3	0.110	0.519	3.63	3.47	5.09	88.8	78.4
8	37	13C2-6:2 FTS	429.1 > 408.9	7.89e3	4.54e4	0.110	0.177	3.76	3.59	2.17	111	98.1
9	38	13C2-PFOA	414.9 > 369.7	4.46e4	4.54e4	0.110	1.147	3.77	3.60	12.3	97.2	85.8
10	39	13C5-PFNA	468.1 > 423.1	3.77e4	5.11e4	0.110	0.939	3.96	3.78	9.21	88.9	78.4
11	40	13C8-PFOSA	506.1 > 78.0	5.56e3	5.72e4	0.110	0.177	3.96	3.78	1.21	62.1	54.8
12	41	13C8-PFOS	507 > 79.9	9.02e3	8.64e3	0.110	1.067	4.01	3.83	13.1	111	97.9
13	42	13C2-PFDA	515.1 > 469.9	3.17e4	5.03e4	0.110	0.835	4.14	3.94	7.87	85.4	75.4
14	43	13C2-8:2 FTS	529.1 > 508.7	5.57e3	5.03e4	0.110	0.118	4.14	3.94	1.38	107	94.2
15	44	d3-N-MeFOSAA	573.3 > 419	8.26e3	5.72e4	0.110	0.013	4.17	3.97	1.80	1240	84.2
16	45	d5-N-EtFOSAA	589.3 > 419	1.18e4	5.72e4	0.110	0.015	4.23	4.04	2.57	1520	103.1
17	46	13C2-PFUnA	565 > 519.8	4.06e4	5.72e4	0.110	1.017	4.31	4.11	8.87	79.0	69.8
18	47	13C2-PFDoA	615.1 > 570.1	4.31e4	5.72e4	0.110	0.984	4.49	4.27	9.42	86.7	76.5
19	49	13C2-PFTeDA	714.8 > 669.6	3.08e4	5.72e4	0.110	0.618	4.88	4.61	6.74	98.8	87.2
20	54	13C4-PFBA	217.1 > 172.1	2.97e4	2.97e4	0.110	1.000	1.32	1.34	12.5	113	100.0
21	55	13C5-PFHxA	318 > 272.9	4.59e4	4.59e4	0.110	1.000	3.31	3.13	5.00	45.3	100.0
22	56	13C3-PFHxS	402.1 > 80.0	7.61e3	7.61e3	0.110	1.000	3.63	3.47	12.5	113	100.0
23	57	13C8-PFOA	421.3 > 376	4.54e4	4.54e4	0.110	1.000	3.77	3.60	12.5	113	100.0
24	58	13C9-PFNA	472.1 > 427.1	5.11e4	5.11e4	0.110	1.000	3.96	3.78	12.5	113	100.0
25	59	13C4-PFOS	503 > 79.9	8.64e3	8.64e3	0.110	1.000	4.01	3.83	12.5	113	100.0
26	60	13C6-PFDA	519.1 > 473.7	5.03e4	5.03e4	0.110	1.000	4.14	3.94	12.5	113	100.0
27	61	13C7-PFUnA	570.1 > 524.8	5.72e4	5.72e4	0.110	1.000	4.31	4.11	12.5	113	100.0
28	62	Total PFHxS	399.0 > 80.0	4.34e4	3.10e3	0.110		3.63		175	678	
29	63	Total PFOA	413 > 368.7	2.47e5	4.46e4	0.110		3.77		69.2	653	
30	64	Total PFOS	499 > 79.9	1.27e4	9.02e3	0.110		4.01		17.6	158	
31	65	Total N-MeFOSAA	570.1 > 419	1.01e4	8.26e3	0.110		4.17		200	91.8	
32	66	Total N-EtFOSAA	584.2 > 419	1.07e4	1.18e4	0.110		4.23		148	97.3	

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/30/17

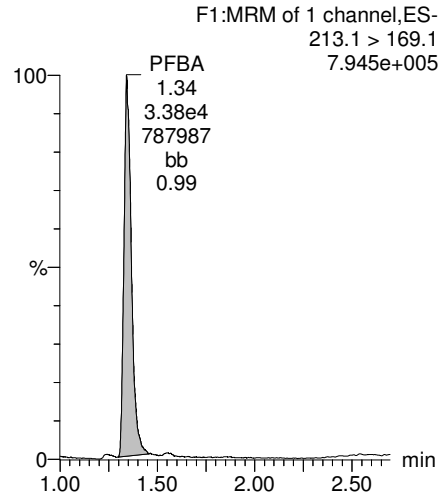
Dataset: U:\Q4.PRO\results\171016M4\171016M4-19.qld

Last Altered: Friday, October 27, 2017 12:47:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:50:06 Pacific Daylight Time

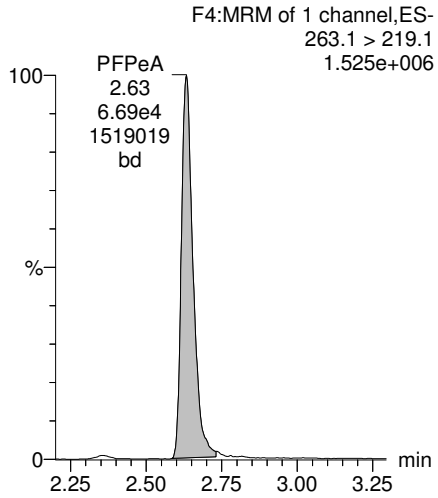
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 25 Oct 2017 13:05:29
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_19, Date: 16-Oct-2017, Time: 16:50:10, ID: B7J0071-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

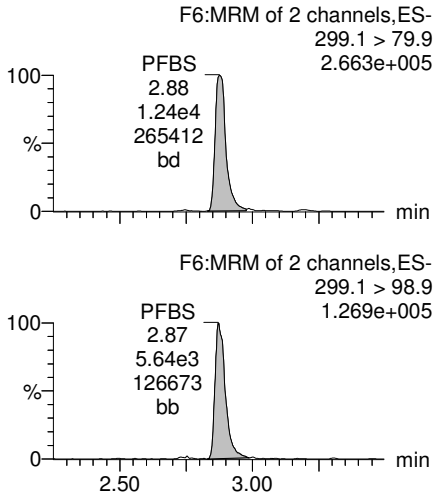
PFBA



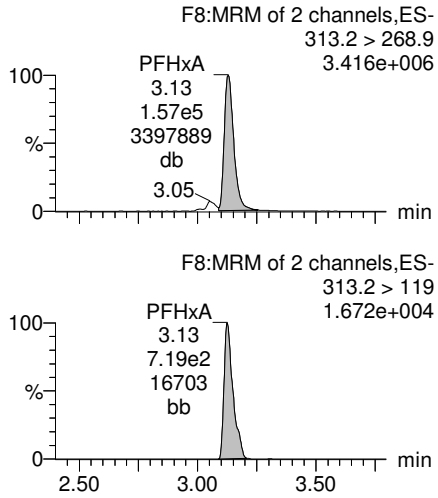
PFPeA



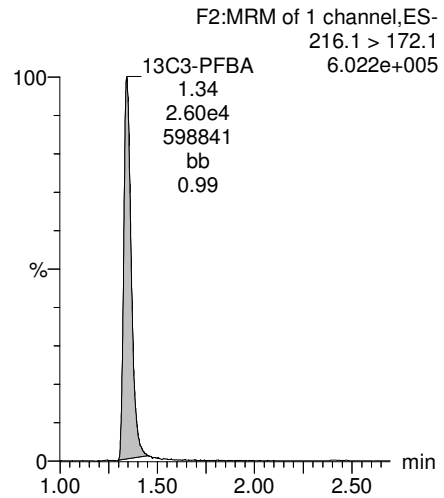
PFBS



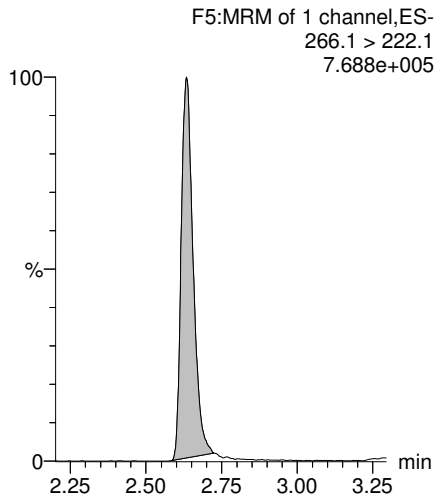
PFHxA



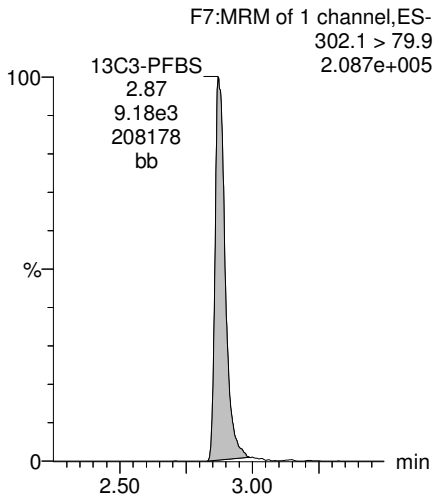
13C3-PFBA



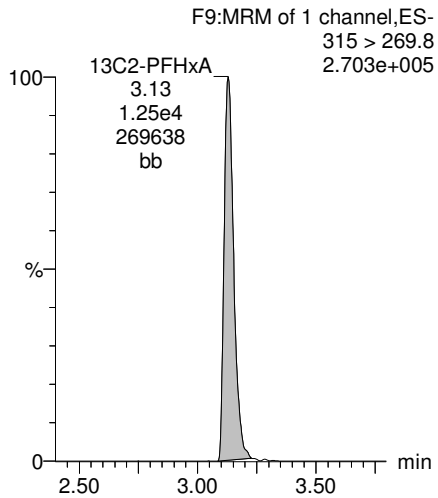
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/27/17

Vista Analytical Laboratory

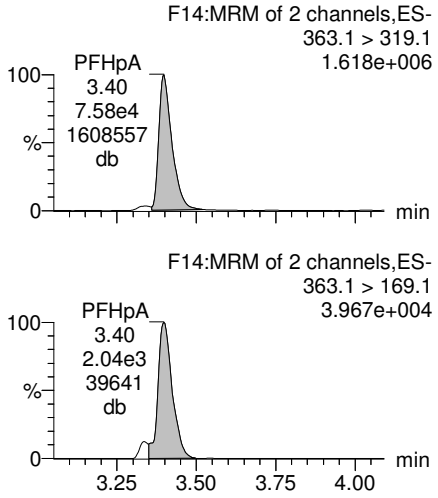
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-19.qld

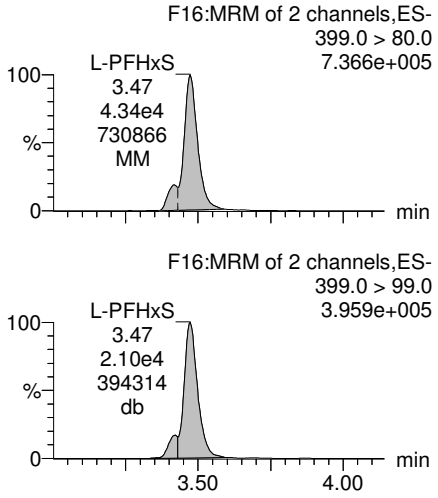
Last Altered: Friday, October 27, 2017 12:47:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:50:06 Pacific Daylight Time

Name: 171016M4_19, Date: 16-Oct-2017, Time: 16:50:10, ID: B7J0071-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

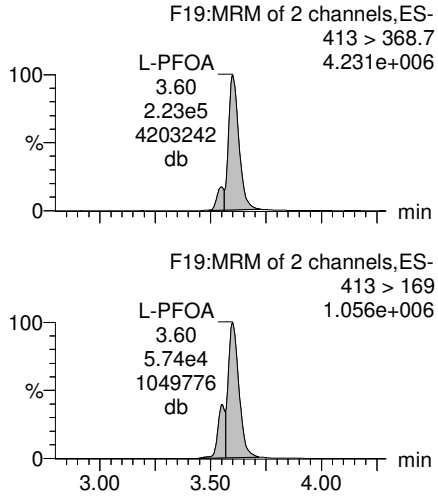
PFHpA



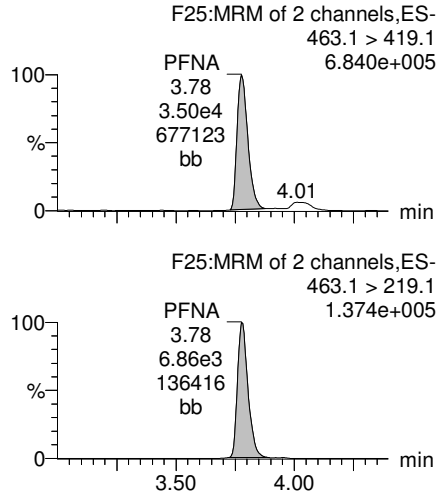
Total PFHxS



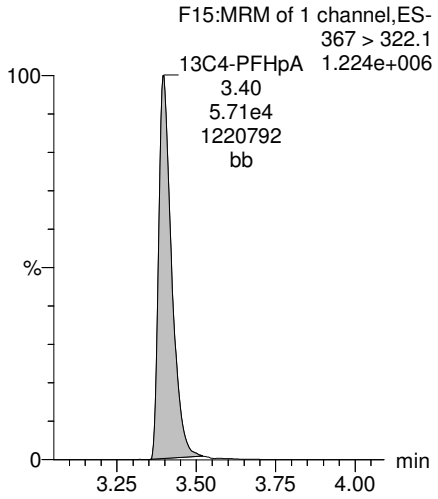
Total PFOA



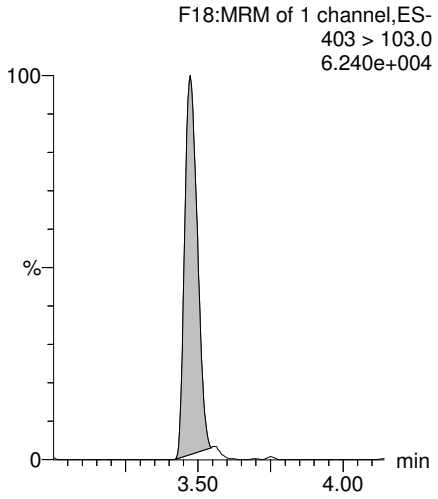
PFNA



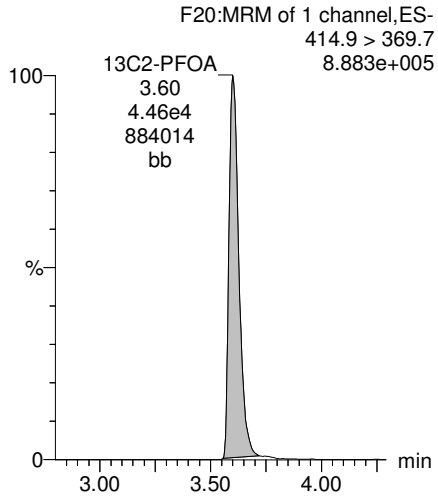
13C4-PFHpA



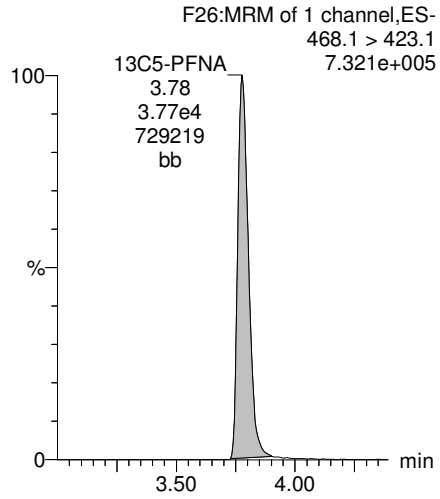
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/27/17

Vista Analytical Laboratory

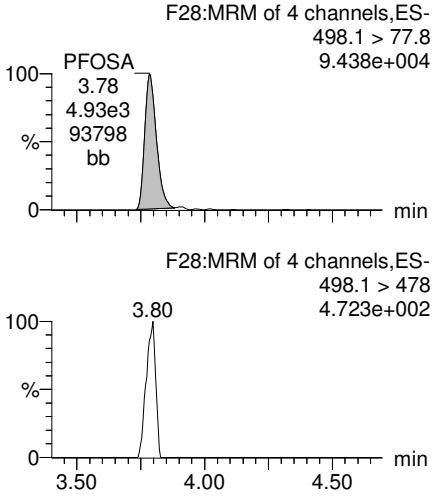
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-19.qld

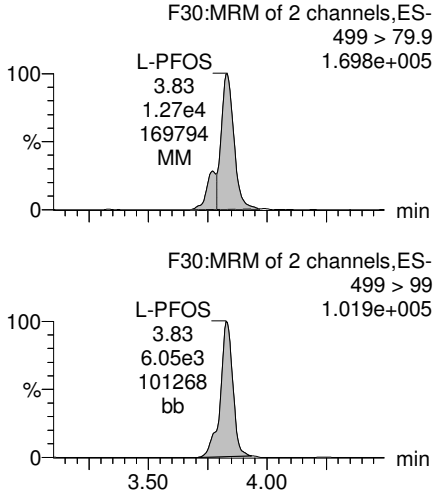
Last Altered: Friday, October 27, 2017 12:47:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:50:06 Pacific Daylight Time

Name: 171016M4_19, Date: 16-Oct-2017, Time: 16:50:10, ID: B7J0071-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

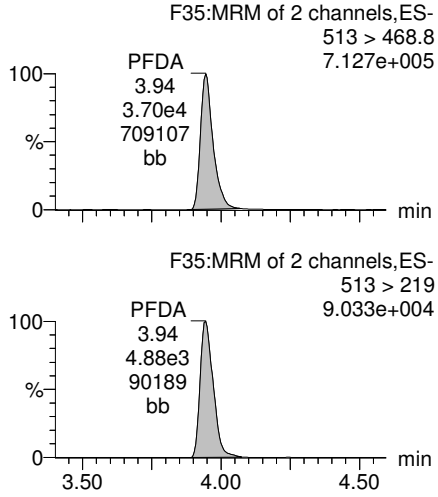
PFOSA



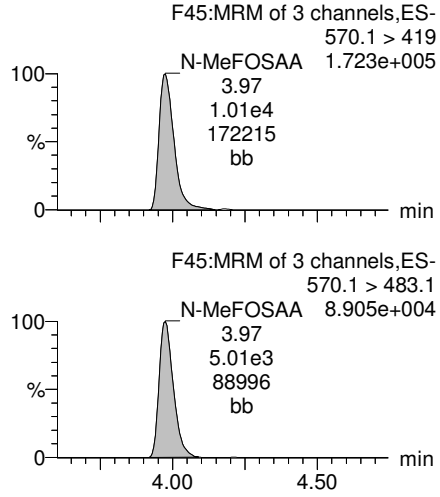
Total PFOS



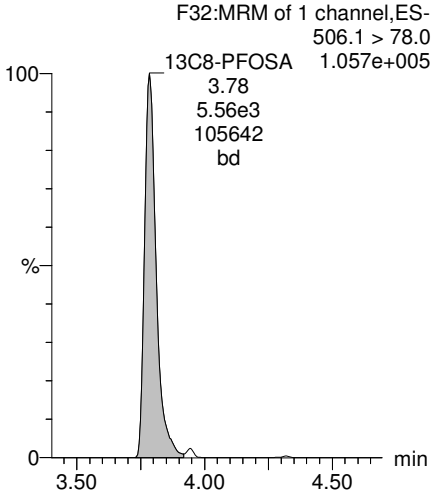
PFDA



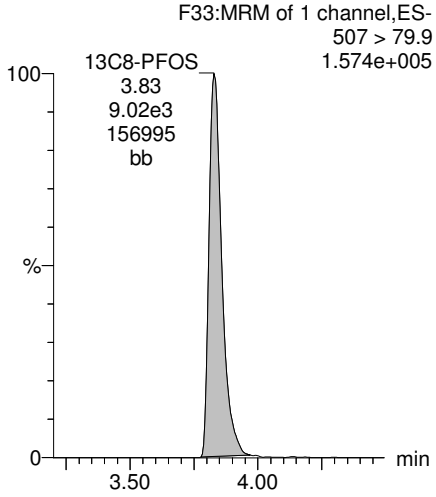
N-MeFOSAA



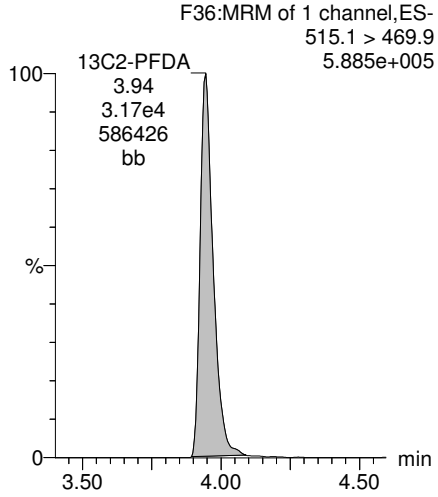
13C8-PFOSA



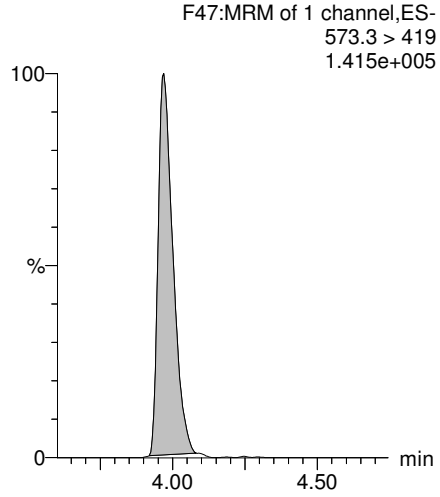
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/27/17

Vista Analytical Laboratory

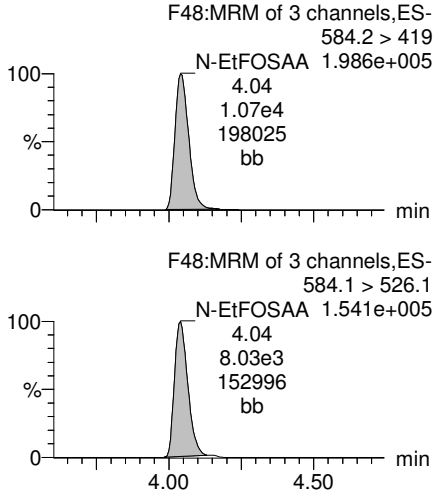
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-19.qld

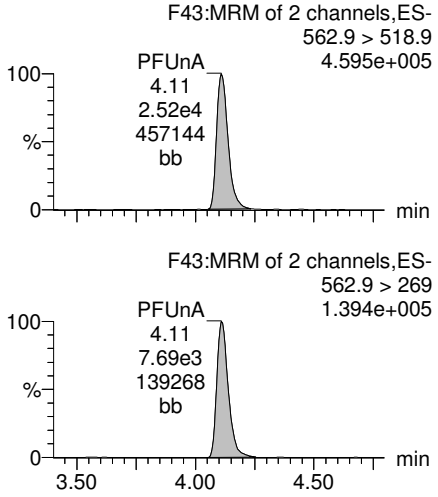
Last Altered: Friday, October 27, 2017 12:47:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:50:06 Pacific Daylight Time

Name: 171016M4_19, Date: 16-Oct-2017, Time: 16:50:10, ID: B7J0071-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

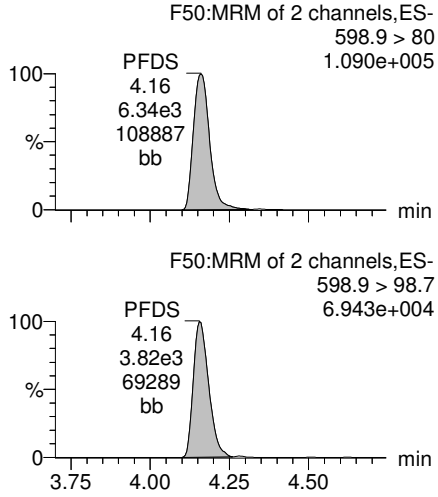
N-EtFOSAA



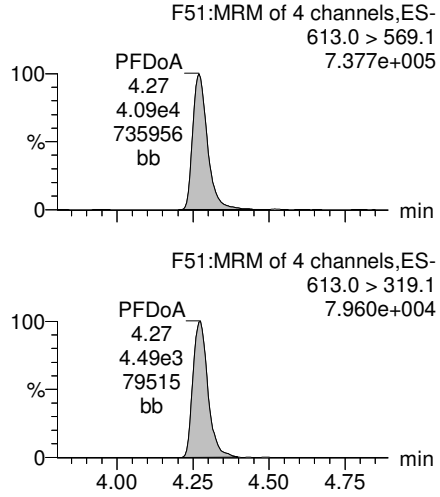
PFUnA



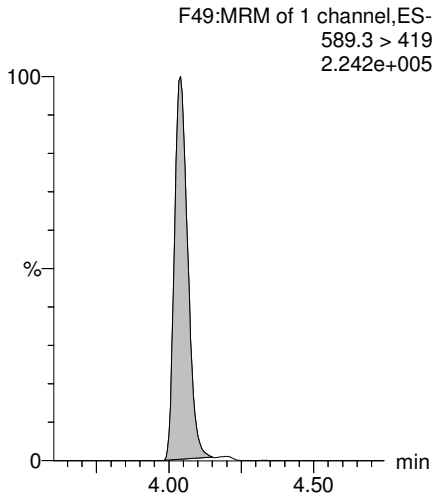
PFDS



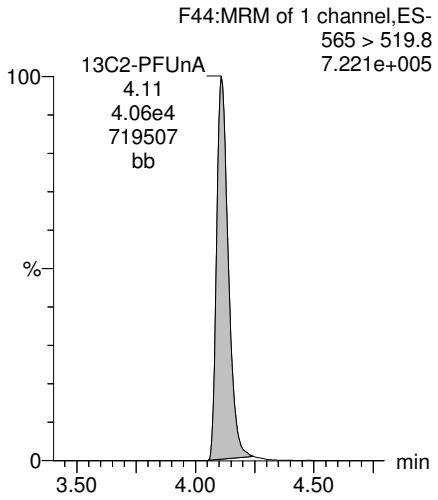
PFDoA



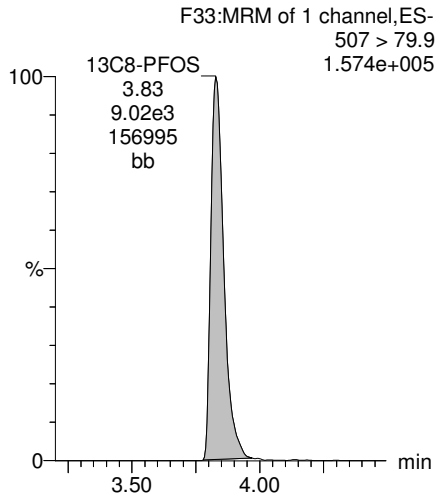
d5-N-EtFOSAA



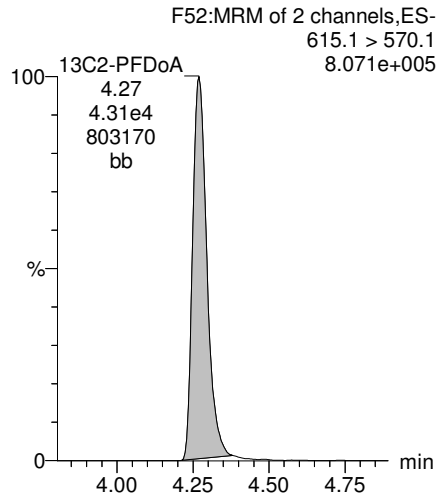
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



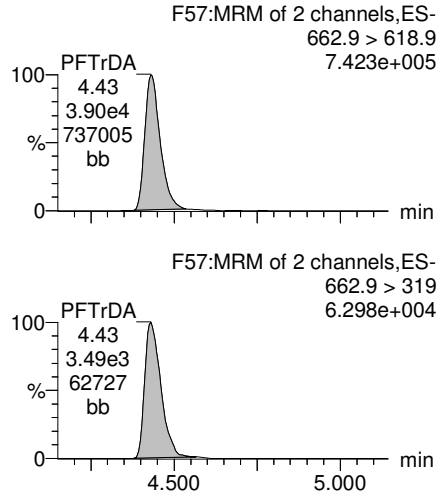
AC 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-19.qld

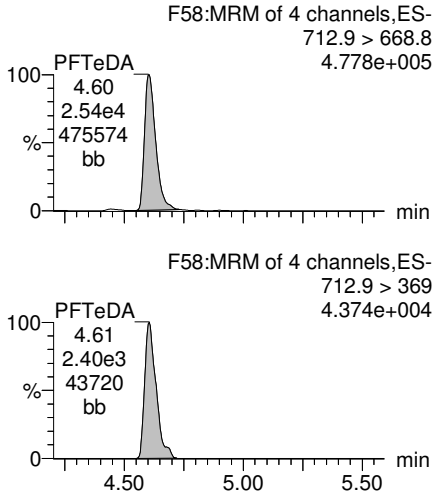
Last Altered: Friday, October 27, 2017 12:47:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:50:06 Pacific Daylight Time

Name: 171016M4_19, Date: 16-Oct-2017, Time: 16:50:10, ID: B7J0071-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

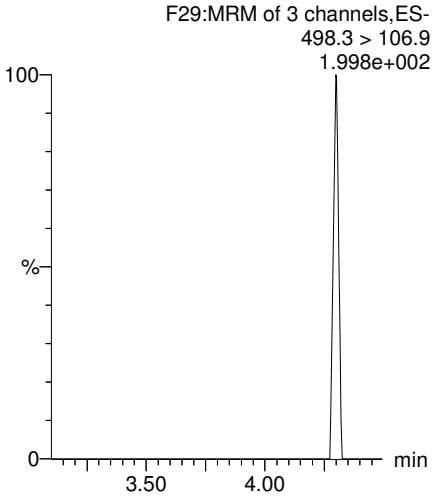
PFTrDA



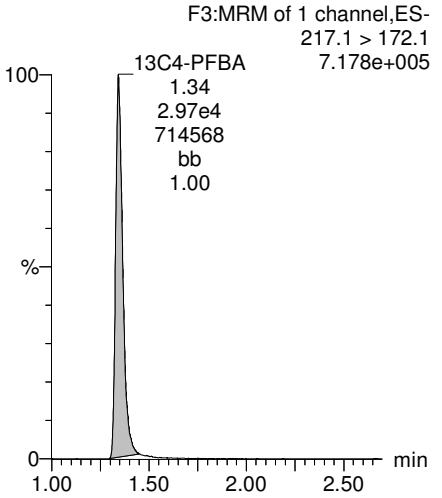
PFTeDA



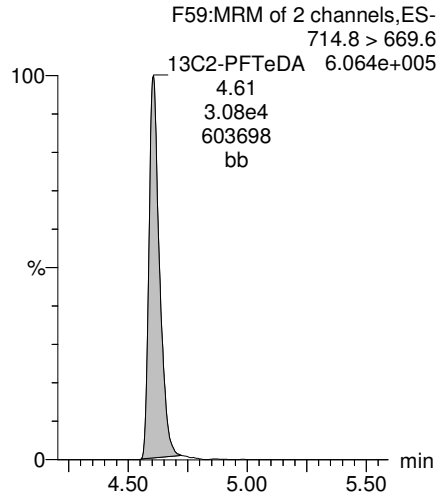
TCDA



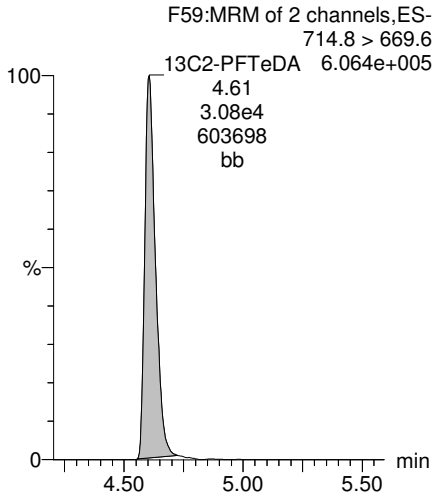
13C4-PFBA



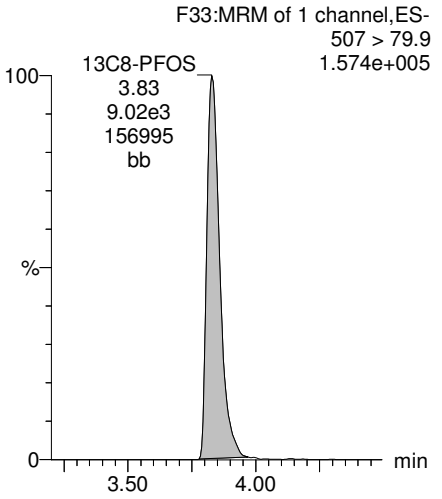
13C2-PFTeDA



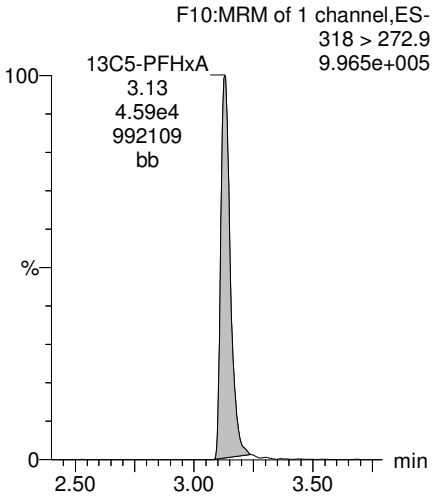
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/27/17

Vista Analytical Laboratory

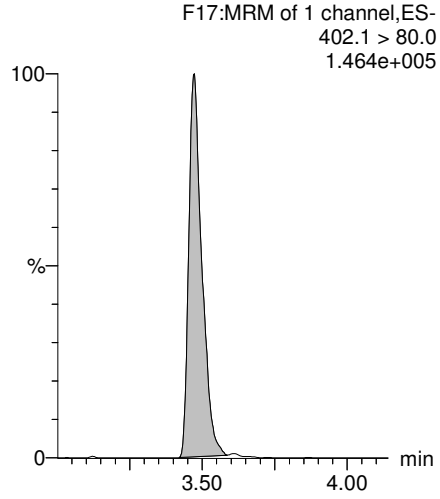
Rev'd: MM 10/30/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-19.qld

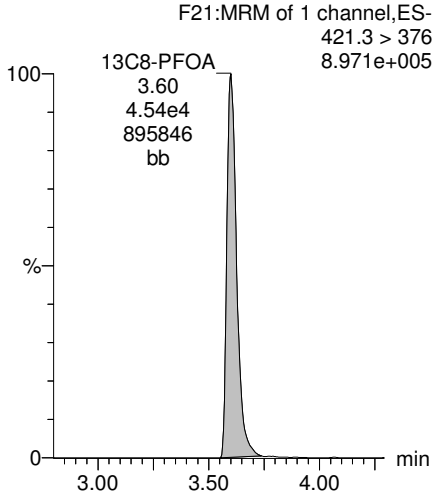
Last Altered: Friday, October 27, 2017 12:47:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 12:50:06 Pacific Daylight Time

Name: 171016M4_19, Date: 16-Oct-2017, Time: 16:50:10, ID: B7J0071-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

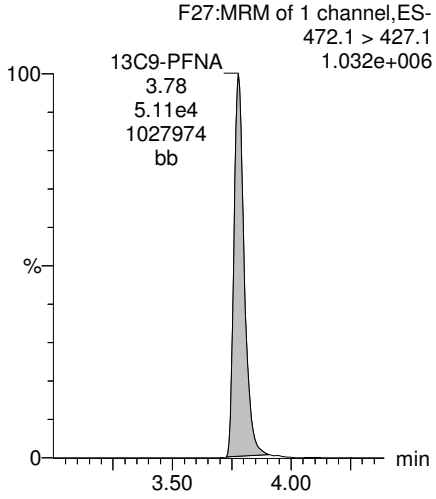
13C3-PFHxS



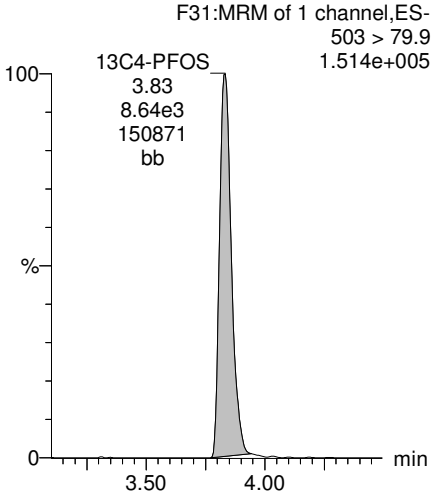
13C8-PFOA



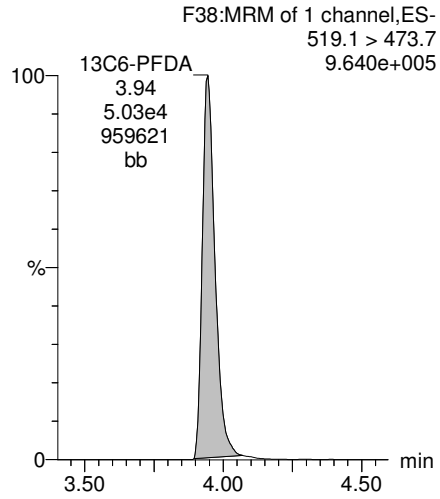
13C9-PFNA



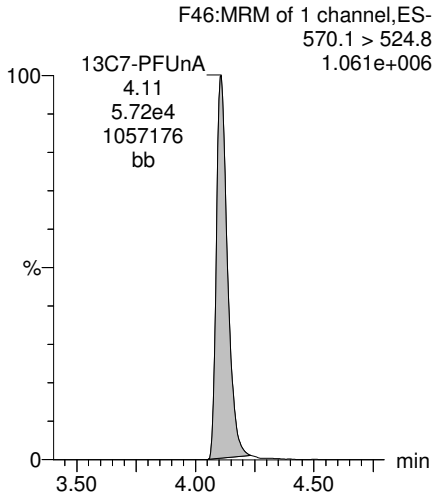
13C4-PFOS



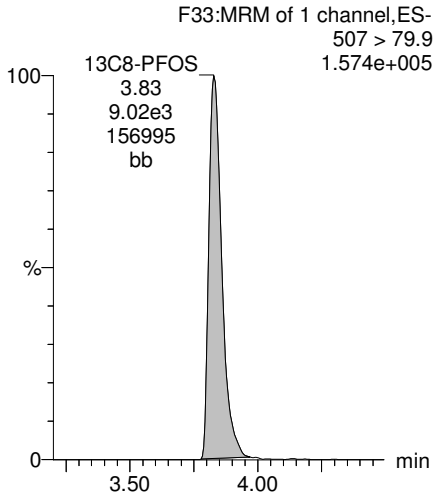
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-31.qld

Last Altered: Tuesday, October 24, 2017 11:26:18 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:27:19 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_31, Date: 16-Oct-2017, Time: 18:59:06, ID: 1701432-12 EB06_20171005 0.125, Description: EB06_20171005

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1		2.84e4	0.126		1.32				
2	2	PFPeA	263.1 > 219.1		3.66e4	0.126		2.91				
3	3	PFBS	299.1 > 79.9		9.10e3	0.126		3.09				
4	4	PFHxA	313.2 > 268.9		1.31e4	0.126		3.31				
5	5	PFHpA	363.1 > 319.1		5.91e4	0.126		3.56				
6	6	L-PFHxS	399.0 > 80.0		3.69e3	0.126		3.63				
7	9	L-PFOA	413 > 368.7	1.01e3	4.51e4	0.126		3.77	3.58	0.280		
8	12	PFNA	463.1 > 419.1		3.72e4	0.126		3.96				
9	13	PFOSA	498.1 > 77.8		4.65e3	0.126		3.96				
10	14	L-PFOS	499 > 79.9		8.83e3	0.126		4.01				
11	16	PFDA	513 > 468.8		3.22e4	0.126		4.14				
12	18	N-MeFOSAA	570.1 > 419		9.04e3	0.126		4.17				
13	19	N-EtFOSAA	584.2 > 419		9.68e3	0.126		4.23				
14	20	PFUnA	562.9 > 518.9		4.15e4	0.126		4.31				
15	21	PFDS	598.9 > 80		4.15e4	0.126		4.36				
16	22	PFDoA	613.0 > 569.1		4.21e4	0.126		4.49				
17	24	PFTrDA	662.9 > 618.9		4.21e4	0.126		4.68				

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-31.qld

Last Altered: Tuesday, October 24, 2017 11:26:18 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:27:34 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_31, Date: 16-Oct-2017, Time: 18:59:06, ID: 1701432-12 EB06_20171005 0.125, Description: EB06_20171005

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		2.92e4	0.126		4.88				
2	31	13C3-PFBA	216.1 > 172.1	2.84e4	3.12e4	0.126	0.956	1.32	1.34	11.4	94.3	95.4
3	32	13C3-PFPeA	266.1 > 222.1	3.66e4	4.93e4	0.126	0.288	2.91	2.63	3.71	102	102.9
4	33	13C3-PFBS	302.1 > 79.9	9.10e3	4.93e4	0.126	0.065	3.09	2.86	0.923	112	113.0
5	34	13C2-PFHxA	315 > 269.8	1.31e4	4.93e4	0.126	0.297	3.31	3.13	1.33	35.4	89.4
6	35	13C4-PFHpA	367 > 322.1	5.91e4	4.93e4	0.126	0.641	3.56	3.40	6.00	74.0	74.8
7	36	18O2-PFHxS	403 > 103.0	3.69e3	7.85e3	0.126	0.519	3.63	3.46	5.88	89.7	90.6
8	37	13C2-6:2 FTS	429.1 > 408.9	7.32e3	4.70e4	0.126	0.177	3.76	3.58	1.95	87.0	87.9
9	38	13C2-PFOA	414.9 > 369.7	4.51e4	4.70e4	0.126	1.147	3.77	3.59	12.0	82.8	83.7
10	39	13C5-PFNA	468.1 > 423.1	3.72e4	5.26e4	0.126	0.939	3.96	3.77	8.84	74.6	75.4
11	40	13C8-PFOSA	506.1 > 78.0	4.65e3	5.69e4	0.126	0.177	3.96	3.78	1.02	45.6	46.1
12	41	13C8-PFOS	507 > 79.9	8.83e3	9.42e3	0.126	1.067	4.01	3.82	11.7	87.0	87.9
13	42	13C2-PFDA	515.1 > 469.9	3.22e4	5.00e4	0.126	0.835	4.14	3.94	8.05	76.3	77.1
14	43	13C2-8:2 FTS	529.1 > 508.7	4.07e3	5.00e4	0.126	0.118	4.14	3.93	1.02	68.6	69.3
15	44	d3-N-MeFOSAA	573.3 > 419	9.04e3	5.69e4	0.126	0.013	4.17	3.97	1.99	1190	92.7
16	45	d5-N-EtFOSAA	589.3 > 419	9.68e3	5.69e4	0.126	0.015	4.23	4.03	2.13	1100	85.3
17	46	13C2-PFUnA	565 > 519.8	4.15e4	5.69e4	0.126	1.017	4.31	4.10	9.12	71.0	71.7
18	47	13C2-PFDoA	615.1 > 570.1	4.21e4	5.69e4	0.126	0.984	4.49	4.26	9.25	74.4	75.2
19	49	13C2-PFTeDA	714.8 > 669.6	2.92e4	5.69e4	0.126	0.618	4.88	4.60	6.42	82.2	83.1
20	54	13C4-PFBA	217.1 > 172.1	3.12e4	3.12e4	0.126	1.000	1.32	1.34	12.5	98.9	100.0
21	55	13C5-PFHxA	318 > 272.9	4.93e4	4.93e4	0.126	1.000	3.31	3.12	5.00	39.6	100.0
22	56	13C3-PFHxS	402.1 > 80.0	7.85e3	7.85e3	0.126	1.000	3.63	3.46	12.5	98.9	100.0
23	57	13C8-PFOA	421.3 > 376	4.70e4	4.70e4	0.126	1.000	3.77	3.59	12.5	98.9	100.0
24	58	13C9-PFNA	472.1 > 427.1	5.26e4	5.26e4	0.126	1.000	3.96	3.77	12.5	98.9	100.0
25	59	13C4-PFOS	503 > 79.9	9.42e3	9.42e3	0.126	1.000	4.01	3.82	12.5	98.9	100.0
26	60	13C6-PFDA	519.1 > 473.7	5.00e4	5.00e4	0.126	1.000	4.14	3.94	12.5	98.9	100.0
27	61	13C7-PFUnA	570.1 > 524.8	5.69e4	5.69e4	0.126	1.000	4.31	4.10	12.5	98.9	100.0
28	62	Total PFHxS	399.0 > 80.0	0.00e0	3.69e3	0.126		3.63		0.000		
29	63	Total PFOA	413 > 368.7	1.01e3	4.51e4	0.126		3.77		0.000		
30	64	Total PFOS	499 > 79.9	0.00e0	8.83e3	0.126		4.01		0.000		
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	9.04e3	0.126		4.17		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	9.68e3	0.126		4.23		0.000		

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

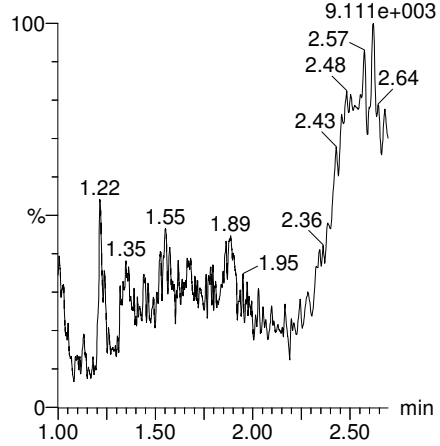
Dataset: U:\Q4.PRO\results\171016M4\171016M4-31.qld

Last Altered: Tuesday, October 24, 2017 11:26:18 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:27:19 Pacific Daylight Time

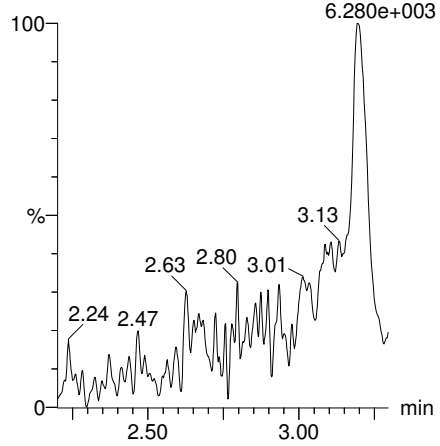
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_31, Date: 16-Oct-2017, Time: 18:59:06, ID: 1701432-12 EB06_20171005 0.125, Description: EB06_20171005

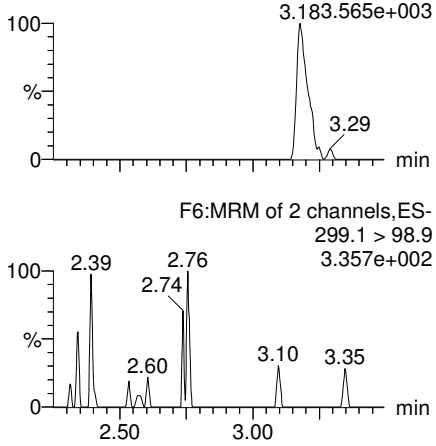
PFBA



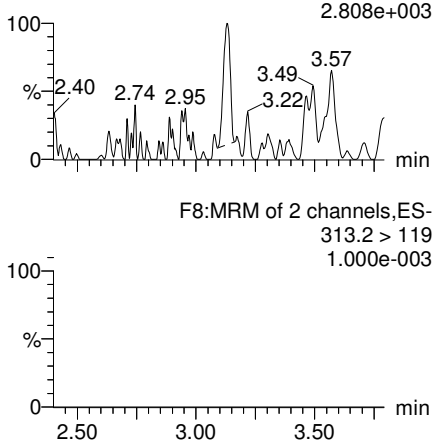
PFPeA



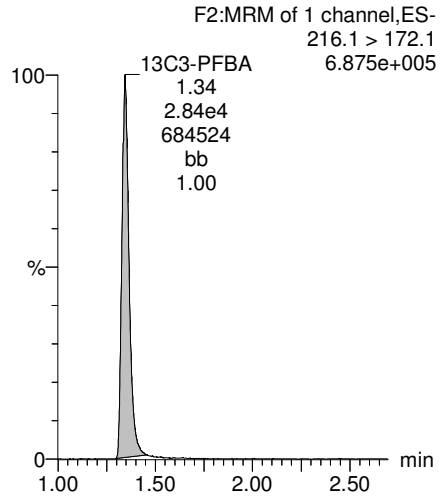
PFBS



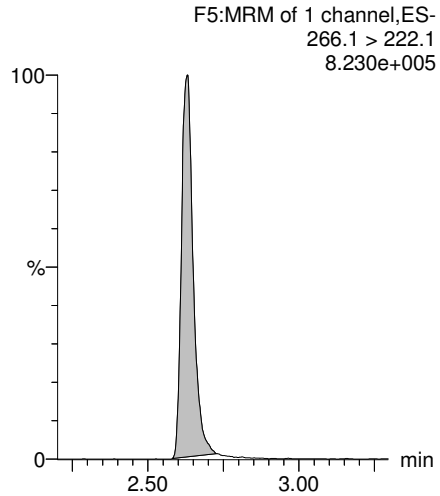
PFHxA



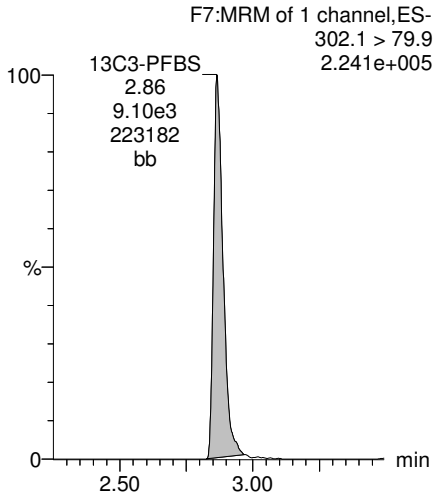
13C3-PFBA



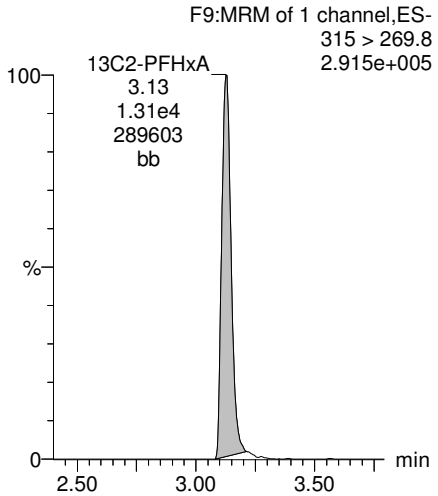
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/24/17

Vista Analytical Laboratory

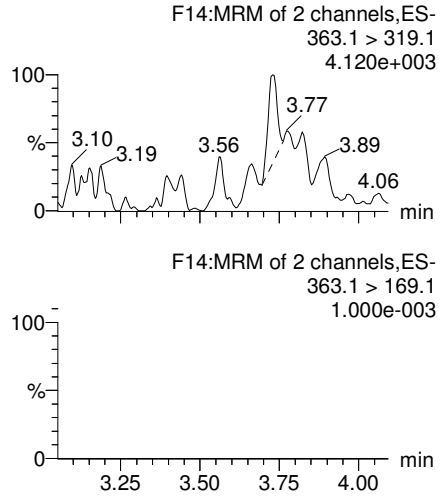
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-31.qld

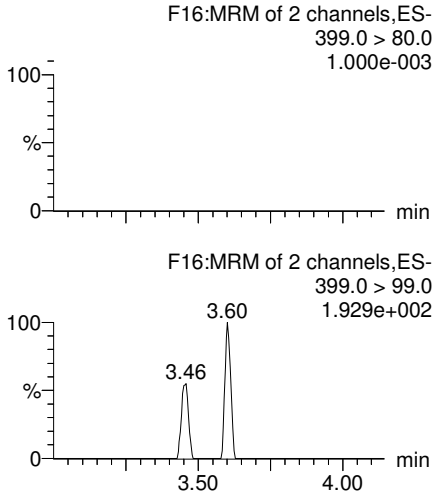
Last Altered: Tuesday, October 24, 2017 11:26:18 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:27:19 Pacific Daylight Time

Name: 171016M4_31, Date: 16-Oct-2017, Time: 18:59:06, ID: 1701432-12 EB06_20171005 0.125, Description: EB06_20171005

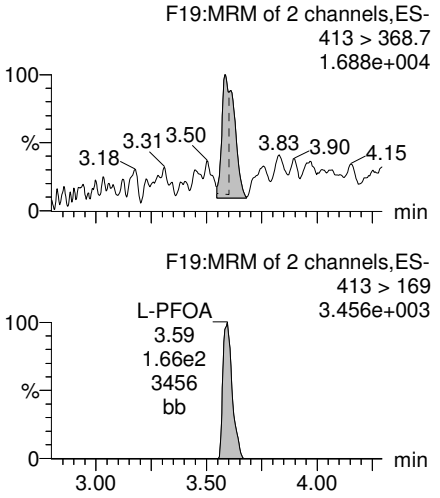
PFHpA



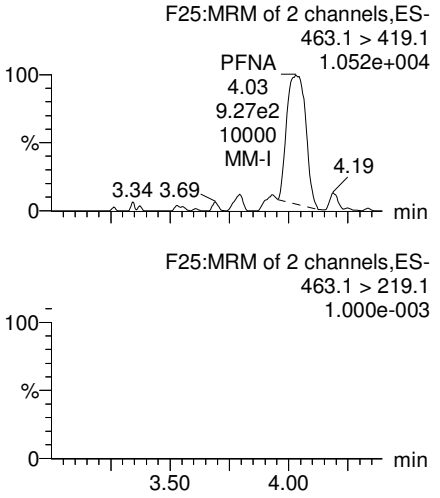
Total PFHxS



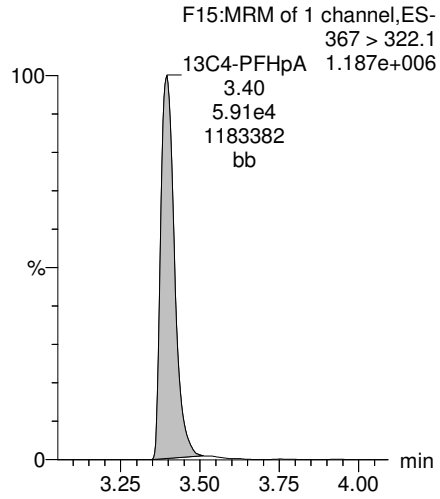
Total PFOA



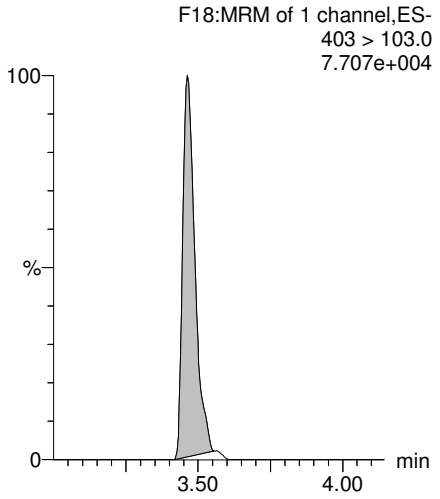
PFNA



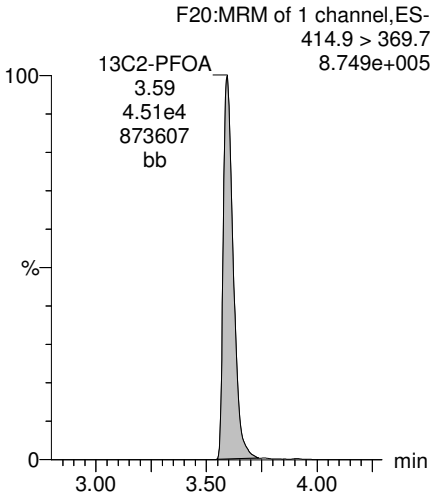
13C4-PFHpA



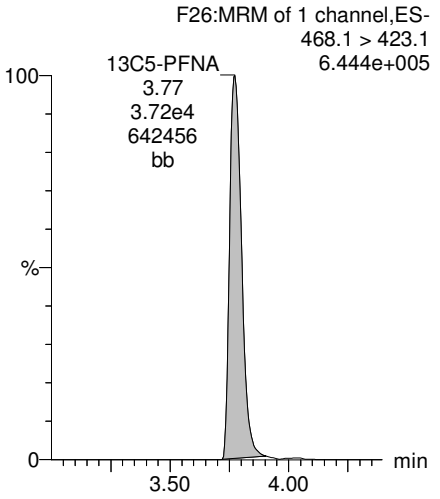
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/24/17

Vista Analytical Laboratory

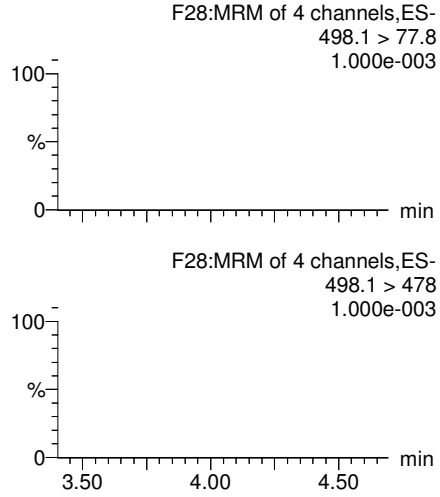
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-31.qld

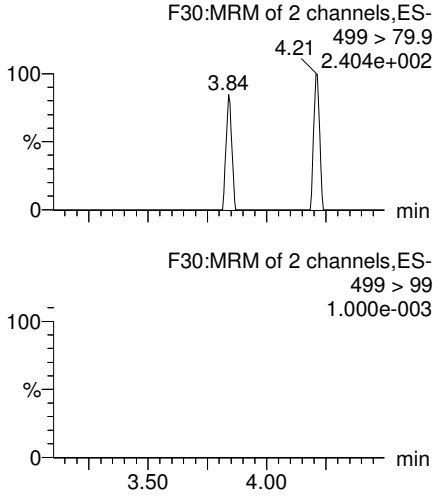
Last Altered: Tuesday, October 24, 2017 11:26:18 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:27:19 Pacific Daylight Time

Name: 171016M4_31, Date: 16-Oct-2017, Time: 18:59:06, ID: 1701432-12 EB06_20171005 0.125, Description: EB06_20171005

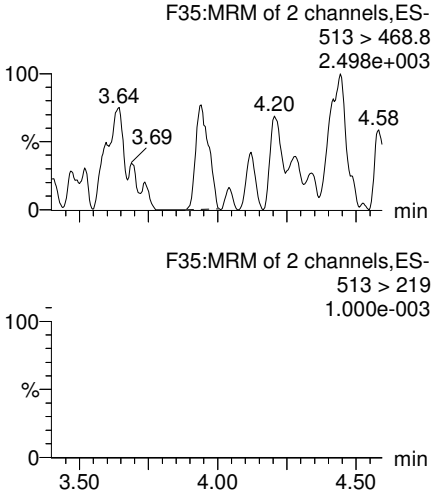
PFOSA



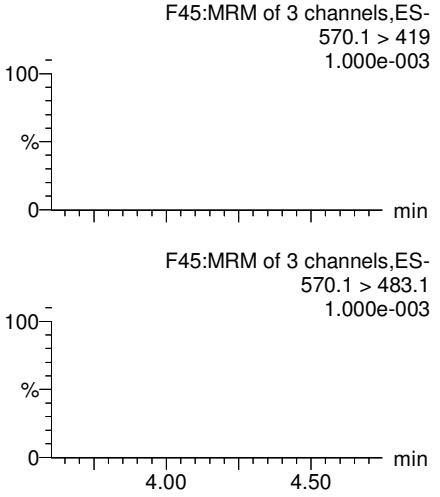
Total PFOS



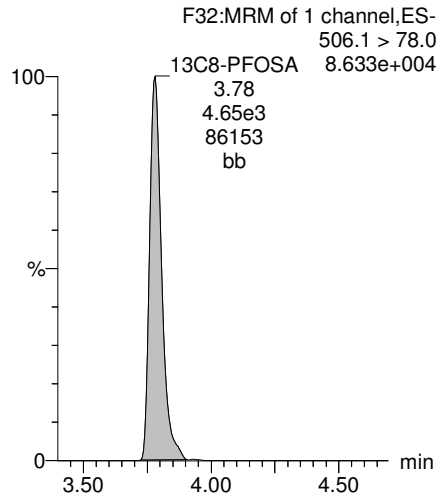
PFDA



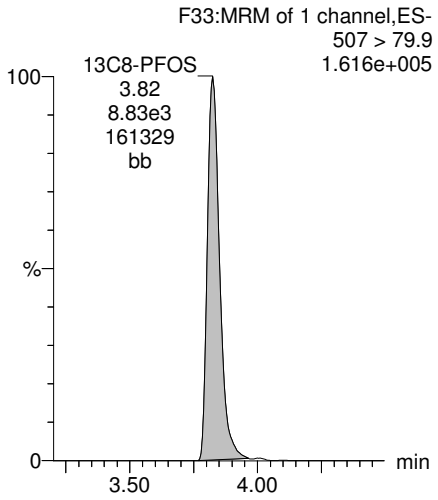
N-MeFOSAA



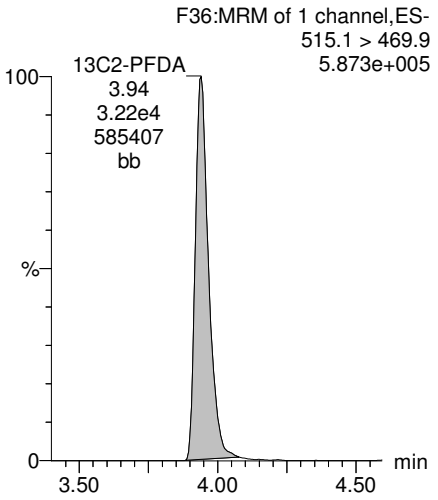
13C8-PFOSA



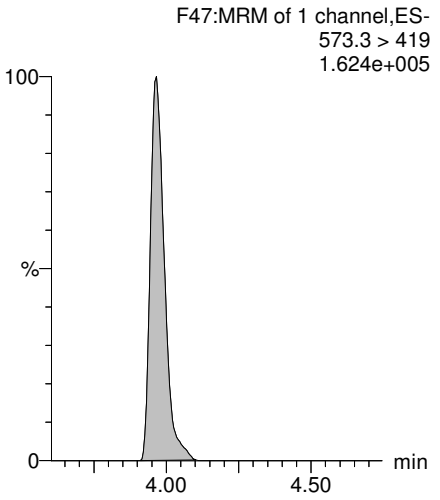
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/24/17

Vista Analytical Laboratory

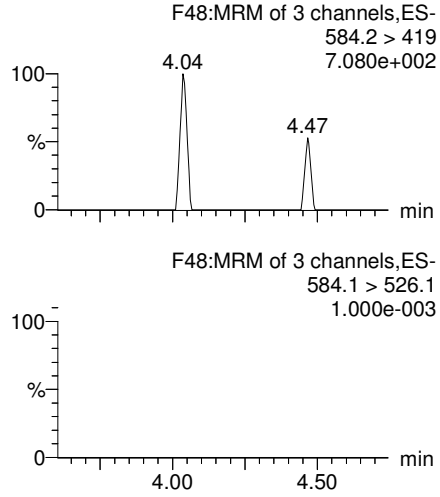
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-31.qld

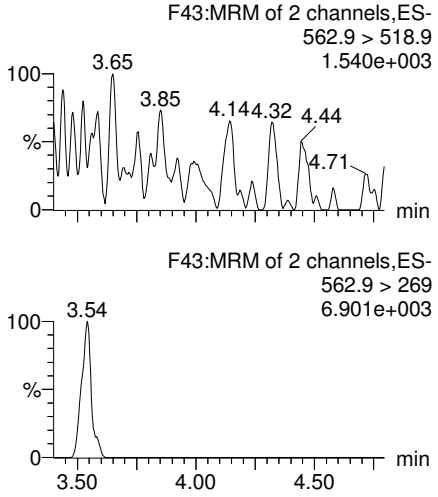
Last Altered: Tuesday, October 24, 2017 11:26:18 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:27:19 Pacific Daylight Time

Name: 171016M4_31, Date: 16-Oct-2017, Time: 18:59:06, ID: 1701432-12 EB06_20171005 0.125, Description: EB06_20171005

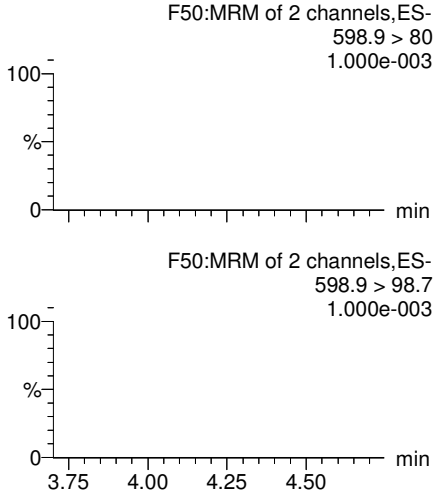
N-EtFOSAA



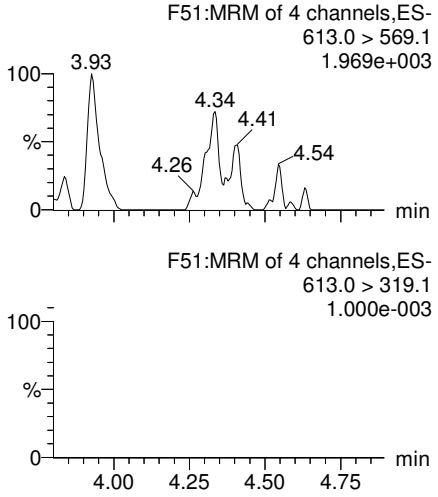
PFUnA



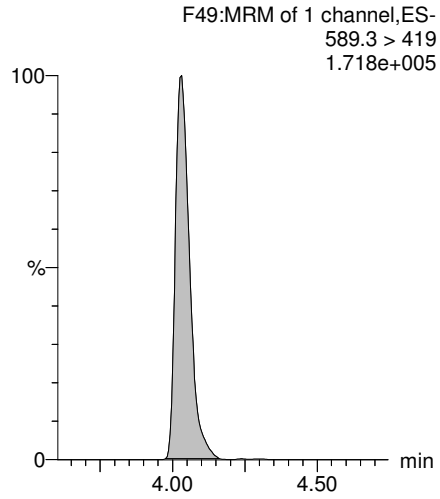
PFDS



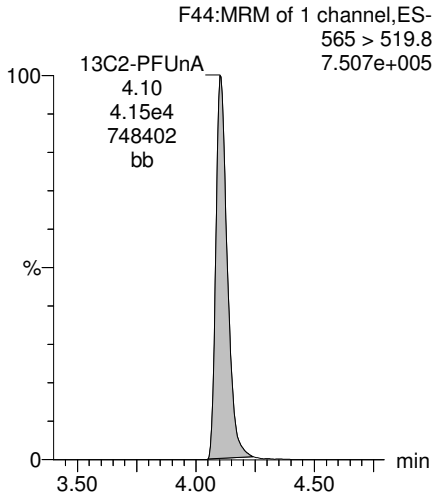
PFDoA



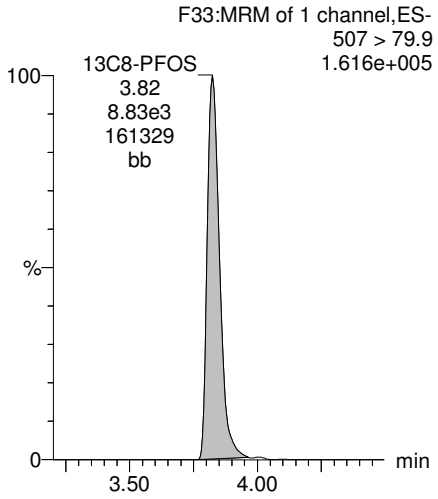
d5-N-EtFOSAA



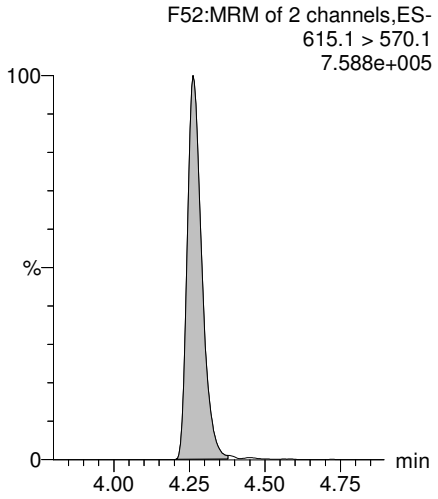
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



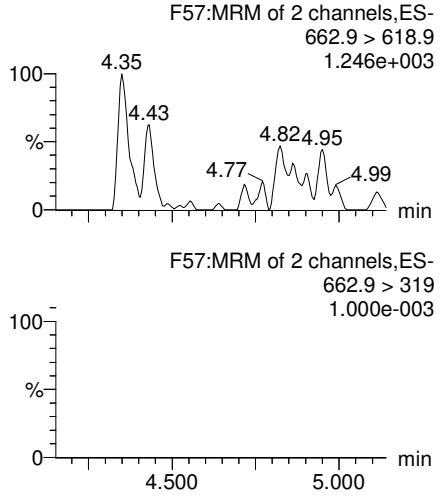
AC 10/24/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-31.qld

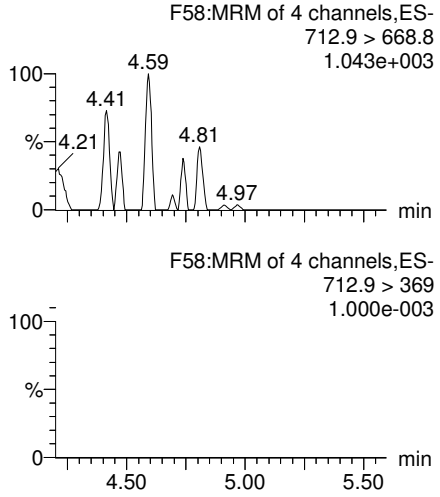
Last Altered: Tuesday, October 24, 2017 11:26:18 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:27:19 Pacific Daylight Time

Name: 171016M4_31, Date: 16-Oct-2017, Time: 18:59:06, ID: 1701432-12 EB06_20171005 0.125, Description: EB06_20171005

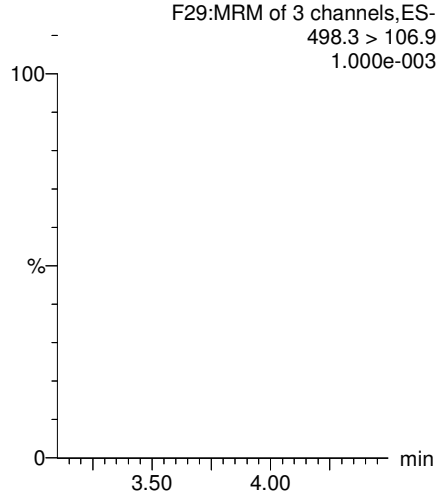
PFTrDA



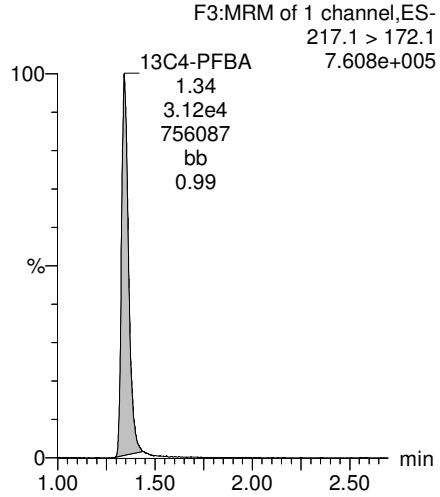
PFTeDA



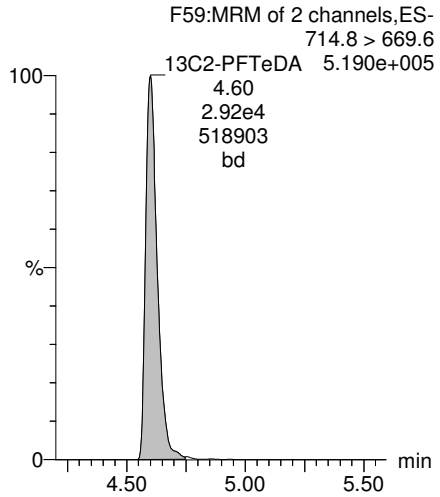
TCDA



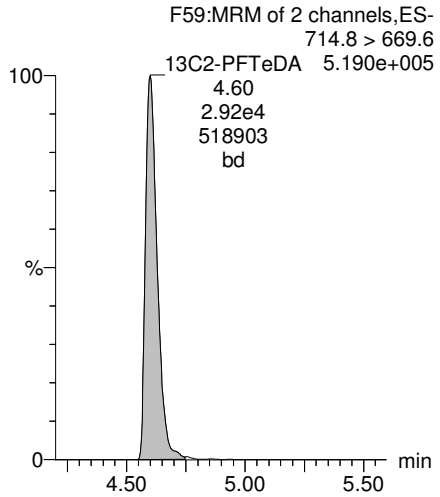
13C4-PFBA



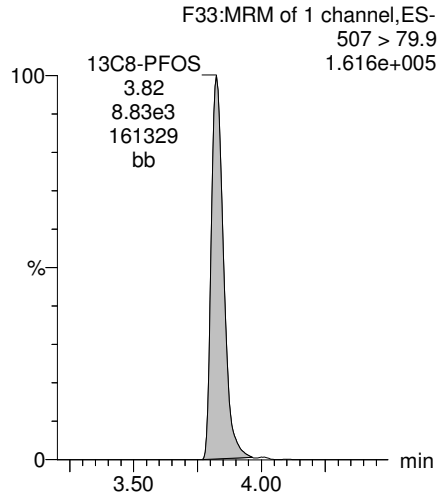
13C2-PFTeDA



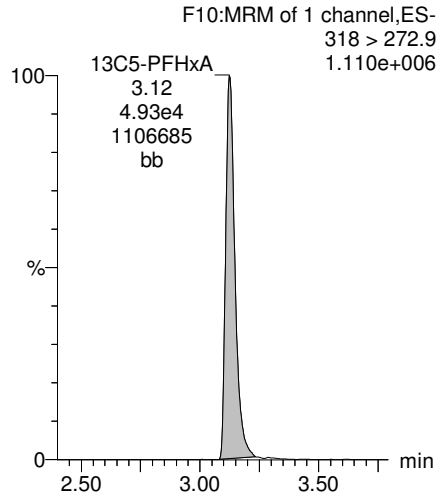
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

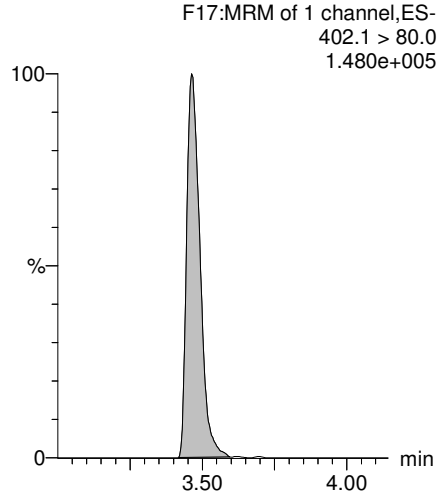
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-31.qld

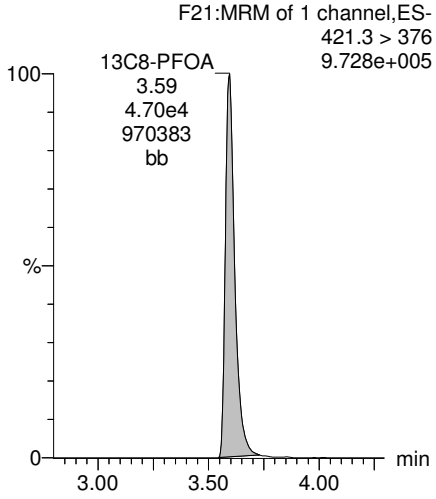
Last Altered: Tuesday, October 24, 2017 11:26:18 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:27:19 Pacific Daylight Time

Name: 171016M4_31, Date: 16-Oct-2017, Time: 18:59:06, ID: 1701432-12 EB06_20171005 0.125, Description: EB06_20171005

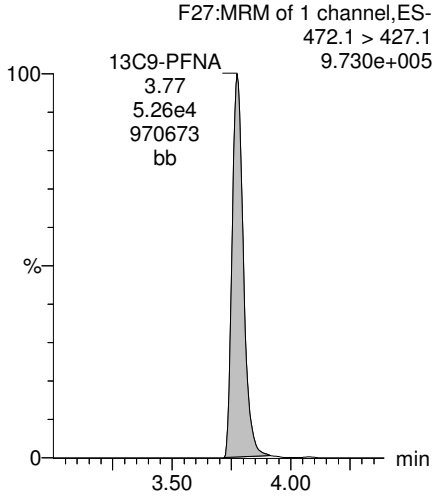
13C3-PFHxS



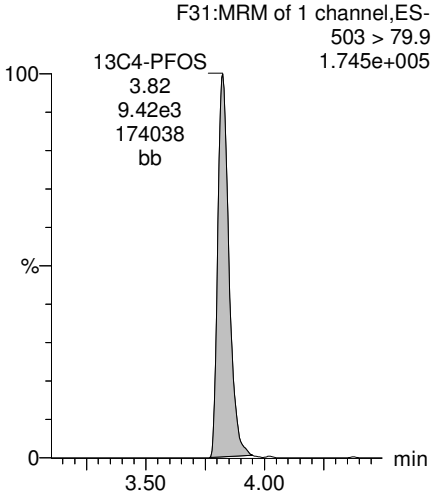
13C8-PFOA



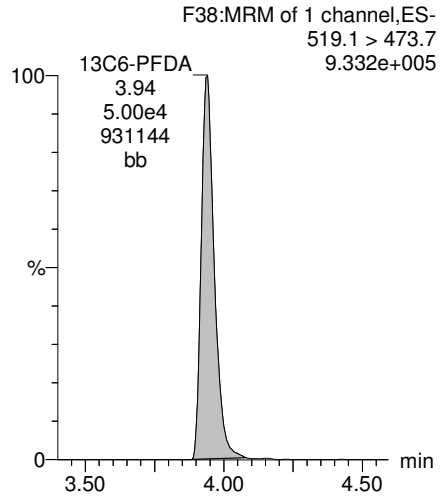
13C9-PFNA



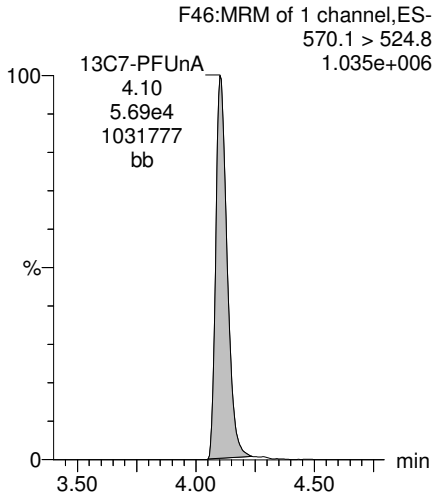
13C4-PFOS



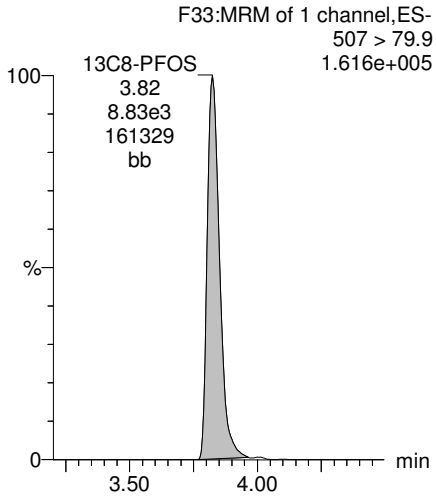
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-32.qld

Last Altered: Tuesday, October 24, 2017 11:31:24 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:33:25 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_32, Date: 16-Oct-2017, Time: 19:09:45, ID: 1701432-13 Site 3-GW-MW1-20171005 0.125, Description: Site 3-GW-MW1-20171005

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	6.91e3	2.68e4	0.120		1.32	1.35	3.22	25.3	
2	2	PFPeA	263.1 > 219.1	7.87e3	3.42e4	0.120		2.91	2.63	2.88	24.3	
3	3	PFBS	299.1 > 79.9	8.90e2	8.92e3	0.120		3.09	2.87	1.25	10.7	
4	4	PFHxA	313.2 > 268.9	2.06e4	1.18e4	0.120		3.31	3.13	8.70	49.3	
5	5	PFHpA	363.1 > 319.1	6.60e3	5.51e4	0.120		3.56	3.40	1.50	12.4	
6	6	L-PFHxS	399.0 > 80.0	8.30e3	3.38e3	0.120		3.63	3.47	30.7	106	
7	9	L-PFOA	413 > 368.7	8.52e4	4.32e4	0.120		3.77	3.60	24.7	213	
8	12	PFNA	463.1 > 419.1		3.89e4	0.120		3.96				
9	13	PFOSA	498.1 > 77.8		5.56e3	0.120		3.96				
10	14	L-PFOS	499 > 79.9	1.87e3	8.01e3	0.120		4.01	3.82	2.92	23.2	
11	16	PFDA	513 > 468.8		2.90e4	0.120		4.14				
12	18	N-MeFOSAA	570.1 > 419		8.17e3	0.120		4.17				
13	19	N-EtFOSAA	584.2 > 419		9.90e3	0.120		4.23				
14	20	PFUnA	562.9 > 518.9		4.20e4	0.120		4.31				
15	21	PFDS	598.9 > 80		4.20e4	0.120		4.36				
16	22	PFDoA	613.0 > 569.1		3.89e4	0.120		4.49				
17	24	PFTrDA	662.9 > 618.9		3.89e4	0.120		4.68				

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-32.qld

Last Altered: Tuesday, October 24, 2017 11:31:24 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:33:39 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_32, Date: 16-Oct-2017, Time: 19:09:45, ID: 1701432-13 Site 3-GW-MW1-20171005 0.125, Description: Site 3-GW-MW1-20171005

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		3.03e4	0.120		4.88				
2	31	13C3-PFBA	216.1 > 172.1	2.68e4	3.03e4	0.120	0.956	1.32	1.34	11.1	96.4	92.5
3	32	13C3-PFPeA	266.1 > 222.1	3.42e4	4.49e4	0.120	0.288	2.91	2.63	3.81	110	105.6
4	33	13C3-PFBS	302.1 > 79.9	8.92e3	4.49e4	0.120	0.065	3.09	2.87	0.993	127	121.6
5	34	13C2-PFHxA	315 > 269.8	1.18e4	4.49e4	0.120	0.297	3.31	3.13	1.32	37.0	88.7
6	35	13C4-PFHpA	367 > 322.1	5.51e4	4.49e4	0.120	0.641	3.56	3.40	6.14	79.9	76.6
7	36	18O2-PFHxS	403 > 103.0	3.38e3	7.58e3	0.120	0.519	3.63	3.47	5.57	89.5	85.8
8	37	13C2-6:2 FTS	429.1 > 408.9	7.43e3	4.24e4	0.120	0.177	3.76	3.59	2.19	103	98.8
9	38	13C2-PFOA	414.9 > 369.7	4.32e4	4.24e4	0.120	1.147	3.77	3.60	12.7	92.6	88.8
10	39	13C5-PFNA	468.1 > 423.1	3.89e4	4.71e4	0.120	0.939	3.96	3.77	10.3	91.6	87.9
11	40	13C8-PFOSA	506.1 > 78.0	5.56e3	4.84e4	0.120	0.177	3.96	3.78	1.44	67.6	64.9
12	41	13C8-PFOS	507 > 79.9	8.01e3	8.64e3	0.120	1.067	4.01	3.83	11.6	90.6	86.9
13	42	13C2-PFDA	515.1 > 469.9	2.90e4	4.77e4	0.120	0.835	4.14	3.94	7.60	76.0	72.9
14	43	13C2-8:2 FTS	529.1 > 508.7	4.51e3	4.77e4	0.120	0.118	4.14	3.94	1.18	83.8	80.4
15	44	d3-N-MeFOSAA	573.3 > 419	8.17e3	4.84e4	0.120	0.013	4.17	3.97	2.11	1340	98.5
16	45	d5-N-EtFOSAA	589.3 > 419	9.90e3	4.84e4	0.120	0.015	4.23	4.04	2.56	1390	102.6
17	46	13C2-PFUnA	565 > 519.8	4.20e4	4.84e4	0.120	1.017	4.31	4.11	10.8	89.0	85.3
18	47	13C2-PFDoA	615.1 > 570.1	3.89e4	4.84e4	0.120	0.984	4.49	4.27	10.1	85.2	81.7
19	49	13C2-PFTeDA	714.8 > 669.6	3.03e4	4.84e4	0.120	0.618	4.88	4.60	7.82	106	101.3
20	54	13C4-PFBA	217.1 > 172.1	3.03e4	3.03e4	0.120	1.000	1.32	1.35	12.5	104	100.0
21	55	13C5-PFHxA	318 > 272.9	4.49e4	4.49e4	0.120	1.000	3.31	3.13	5.00	41.7	100.0
22	56	13C3-PFHxS	402.1 > 80.0	7.58e3	7.58e3	0.120	1.000	3.63	3.47	12.5	104	100.0
23	57	13C8-PFOA	421.3 > 376	4.24e4	4.24e4	0.120	1.000	3.77	3.60	12.5	104	100.0
24	58	13C9-PFNA	472.1 > 427.1	4.71e4	4.71e4	0.120	1.000	3.96	3.77	12.5	104	100.0
25	59	13C4-PFOS	503 > 79.9	8.64e3	8.64e3	0.120	1.000	4.01	3.83	12.5	104	100.0
26	60	13C6-PFDA	519.1 > 473.7	4.77e4	4.77e4	0.120	1.000	4.14	3.95	12.5	104	100.0
27	61	13C7-PFUnA	570.1 > 524.8	4.84e4	4.84e4	0.120	1.000	4.31	4.11	12.5	104	100.0
28	62	Total PFHxS	399.0 > 80.0	8.30e3	3.38e3	0.120		3.63		30.7	106	
29	63	Total PFOA	413 > 368.7	9.34e4	4.32e4	0.120		3.77		27.1	230	
30	64	Total PFOS	499 > 79.9	1.87e3	8.01e3	0.120		4.01		2.92	23.2	
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	8.17e3	0.120		4.17		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	9.90e3	0.120		4.23		0.000		

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

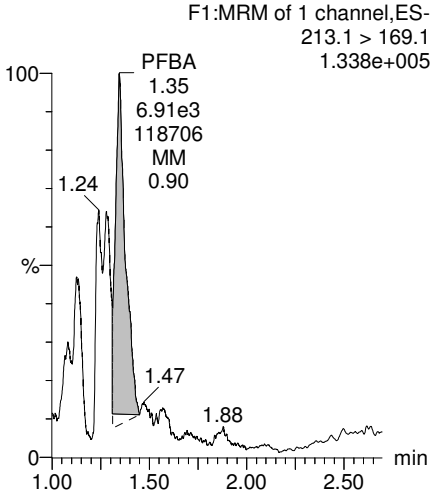
Dataset: U:\Q4.PRO\results\171016M4\171016M4-32.qld

Last Altered: Tuesday, October 24, 2017 11:31:24 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:33:25 Pacific Daylight Time

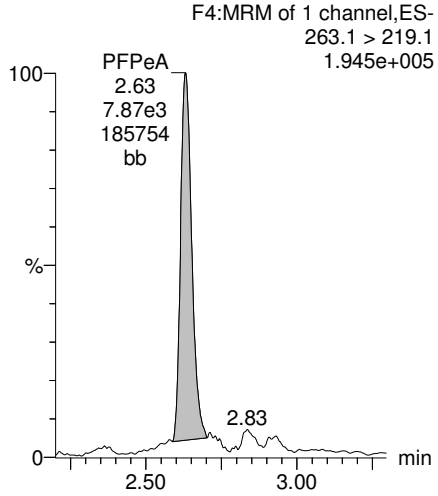
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_32, Date: 16-Oct-2017, Time: 19:09:45, ID: 1701432-13 Site 3-GW-MW1-20171005 0.125, Description: Site 3-GW-MW1-20171005

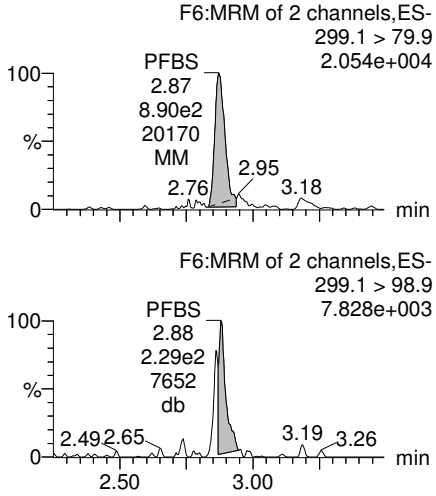
PFBA



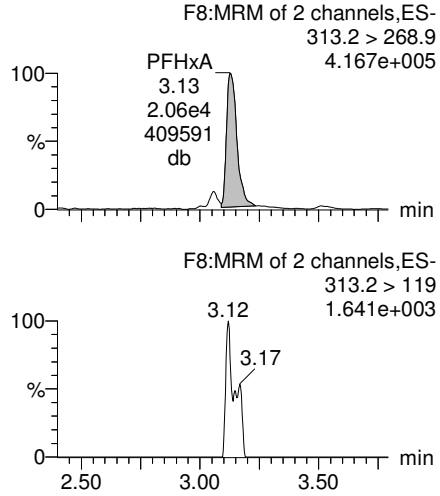
PFPeA



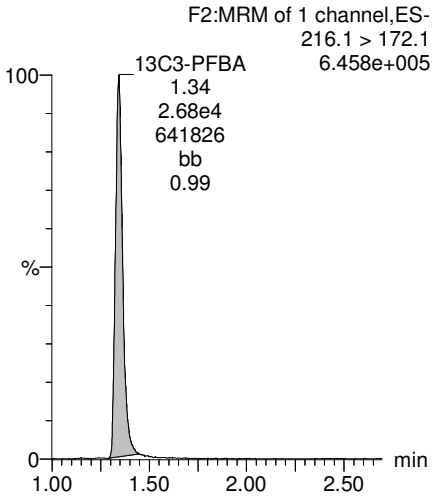
PFBS



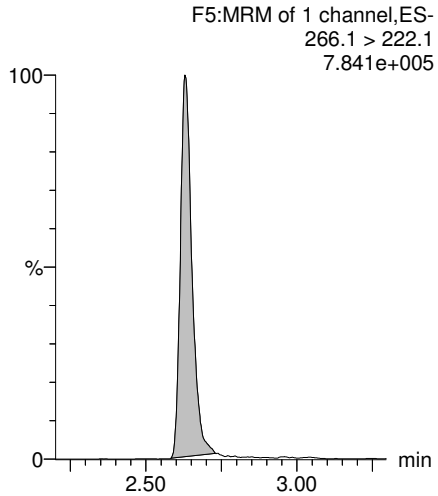
PFHxA



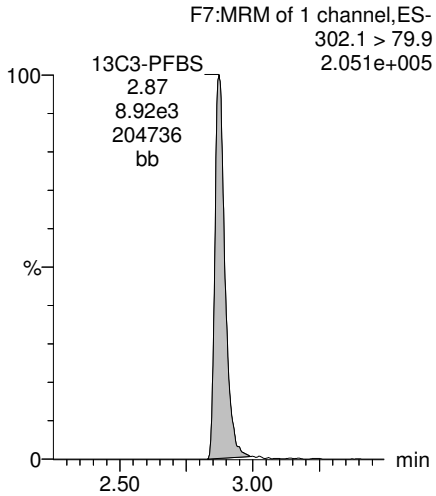
13C3-PFBA



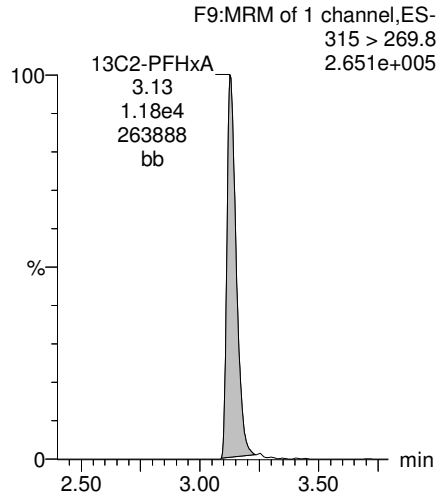
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/24/17

Vista Analytical Laboratory

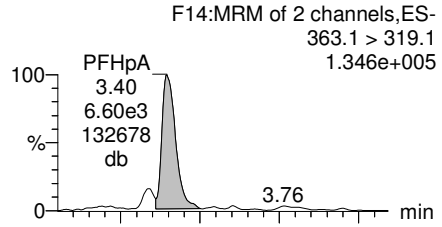
Rev'd: MM 10/27/17

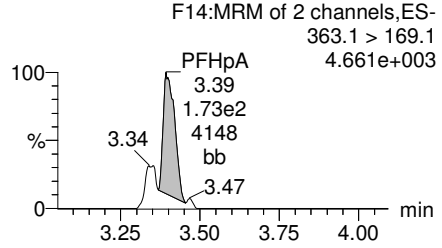
Dataset: U:\Q4.PRO\results\171016M4\171016M4-32.qld

Last Altered: Tuesday, October 24, 2017 11:31:24 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:33:25 Pacific Daylight Time

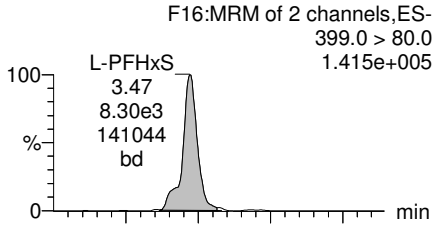
Name: 171016M4_32, Date: 16-Oct-2017, Time: 19:09:45, ID: 1701432-13 Site 3-GW-MW1-20171005 0.125, Description: Site 3-GW-MW1-20171005

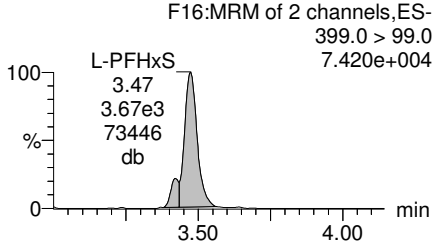
PFHpA



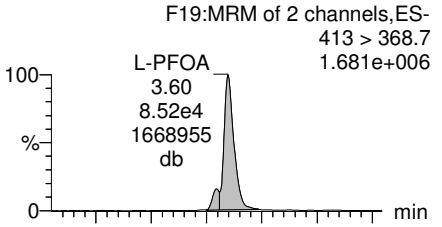


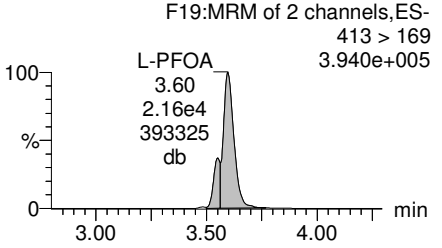
Total PFHxS



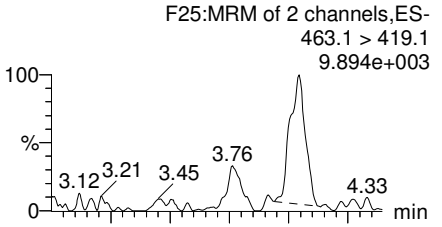


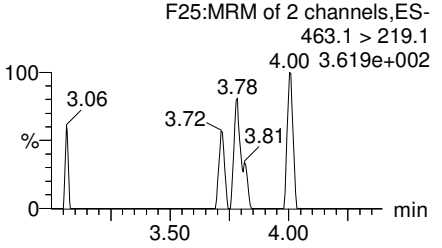
Total PFOA



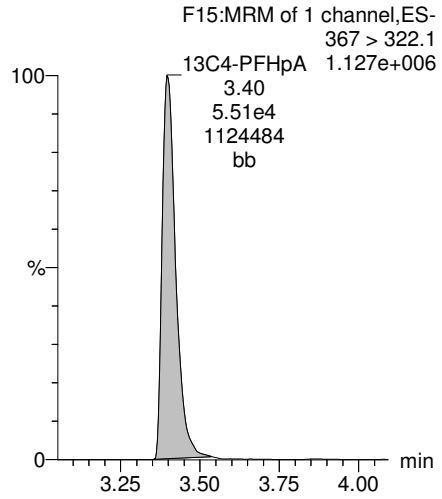


PFNA

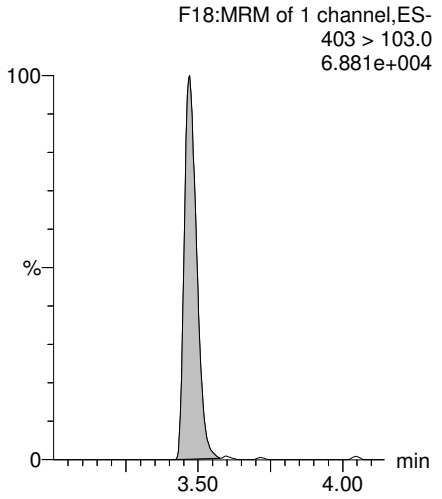




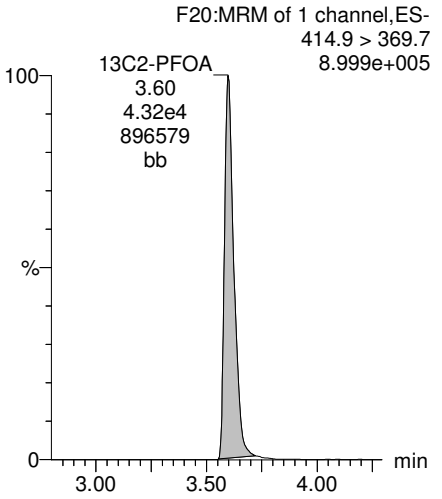
13C4-PFHpA



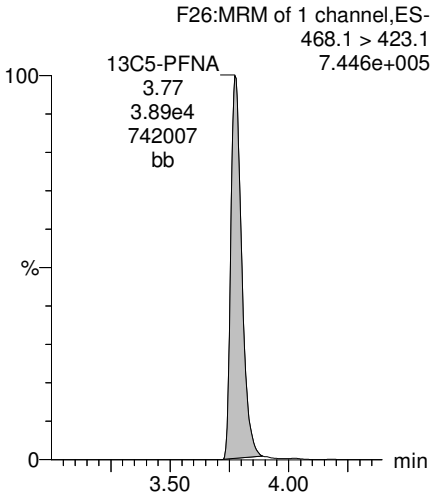
18O2-PFHxS



13C2-PFOA



13C5-PFNA



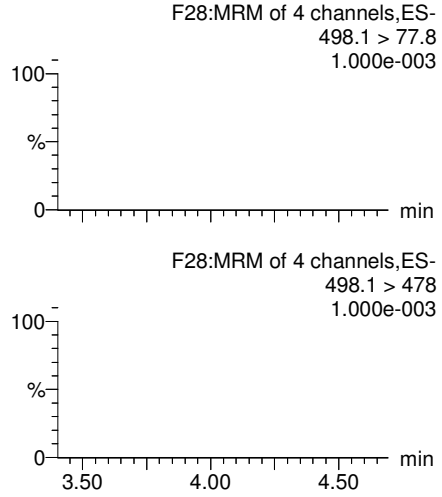
AC 10/24/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-32.qld

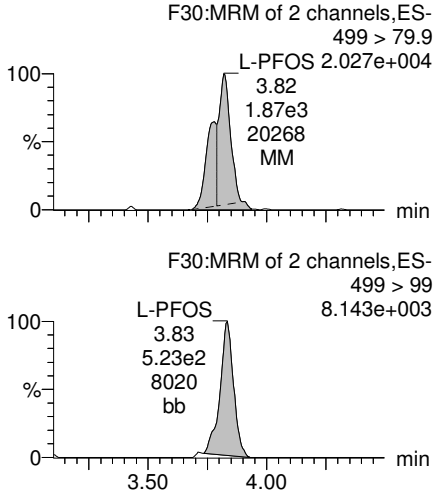
Last Altered: Tuesday, October 24, 2017 11:31:24 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:33:25 Pacific Daylight Time

Name: 171016M4_32, Date: 16-Oct-2017, Time: 19:09:45, ID: 1701432-13 Site 3-GW-MW1-20171005 0.125, Description: Site 3-GW-MW1-20171005

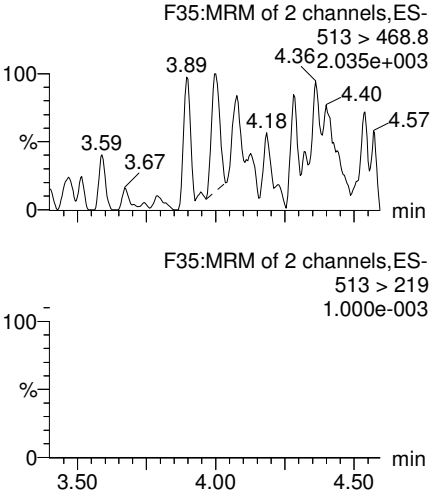
PFOSA



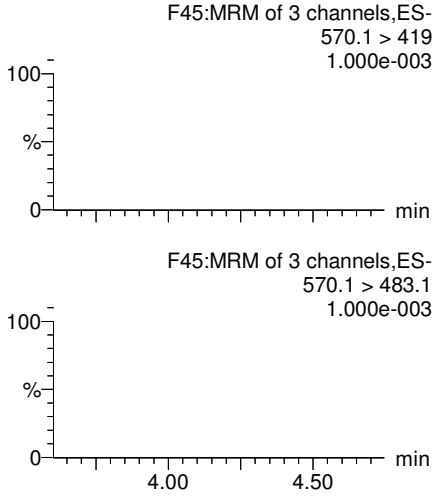
Total PFOS



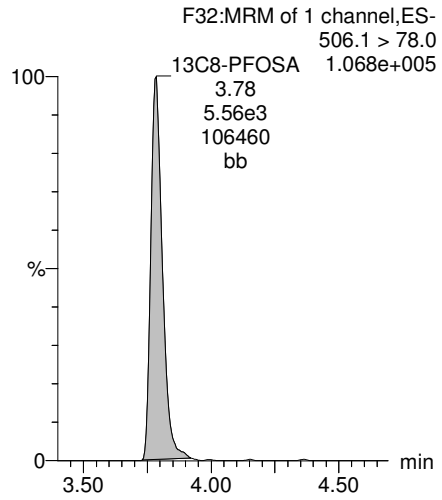
PFDA



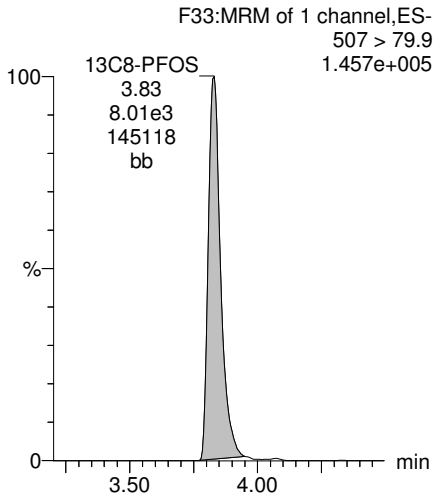
N-MeFOSAA



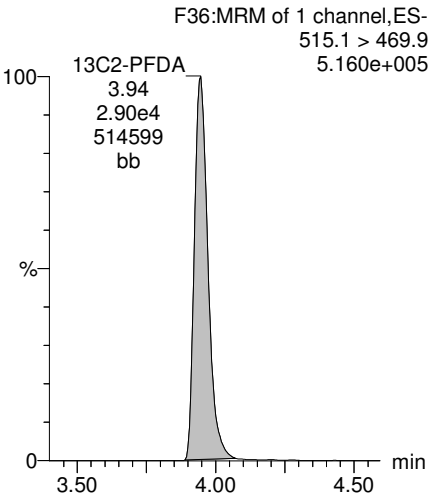
13C8-PFOSA



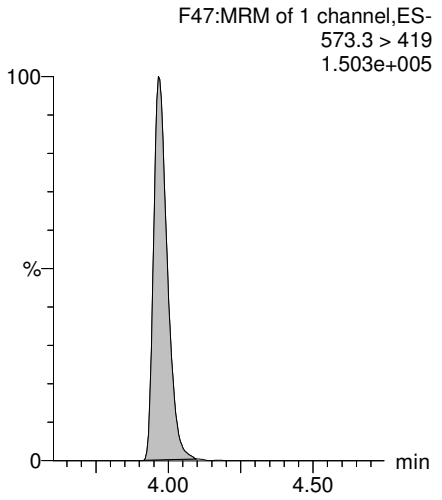
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



AC 10/24/17

Vista Analytical Laboratory

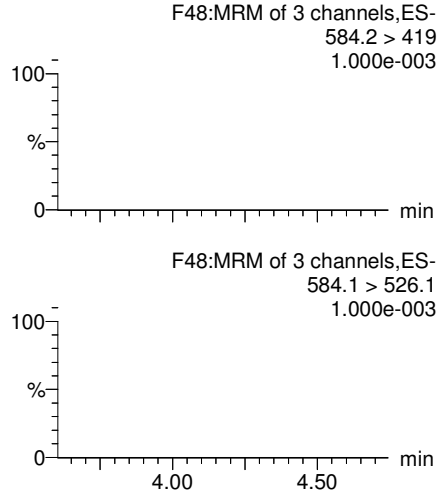
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-32.qld

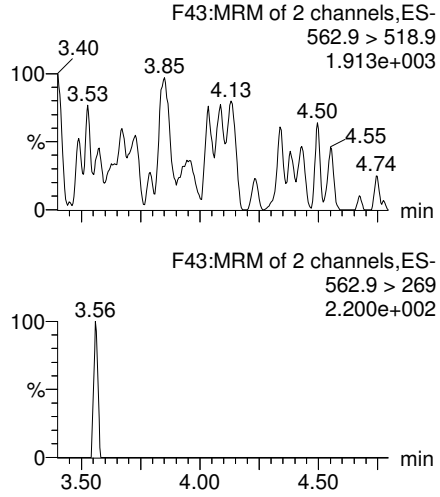
Last Altered: Tuesday, October 24, 2017 11:31:24 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:33:25 Pacific Daylight Time

Name: 171016M4_32, Date: 16-Oct-2017, Time: 19:09:45, ID: 1701432-13 Site 3-GW-MW1-20171005 0.125, Description: Site 3-GW-MW1-20171005

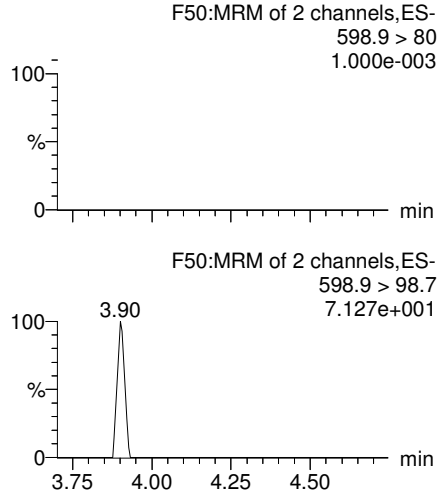
N-EtFOSAA



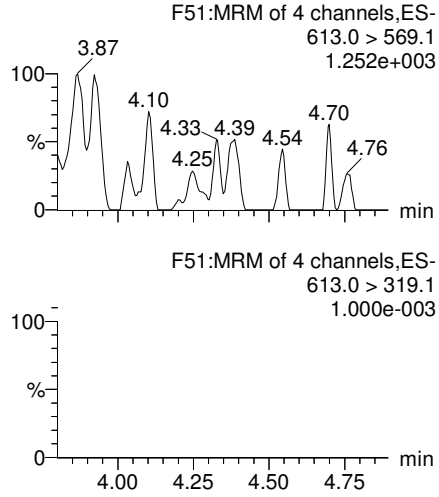
PFUnA



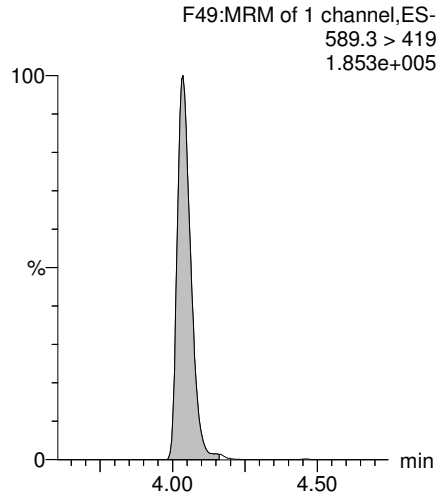
PFDS



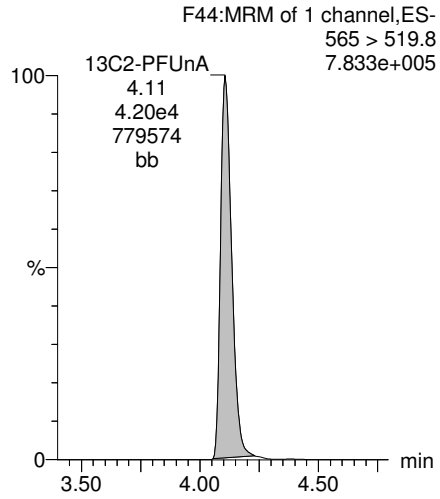
PFDoA



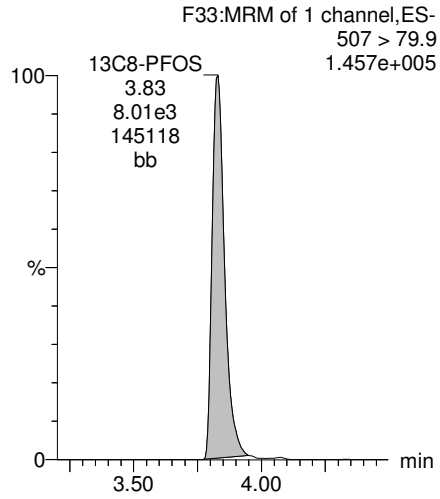
d5-N-EtFOSAA



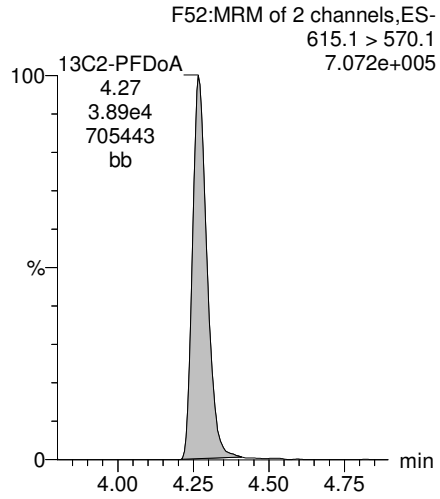
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/24/17

Vista Analytical Laboratory

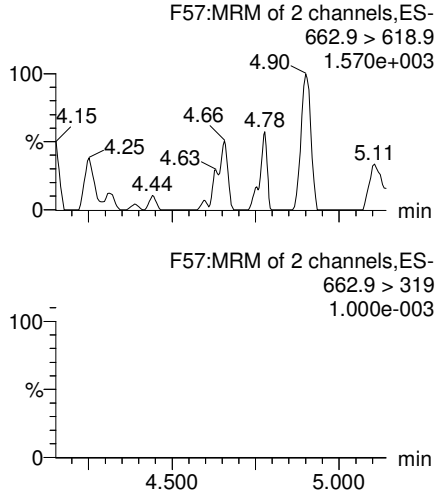
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-32.qld

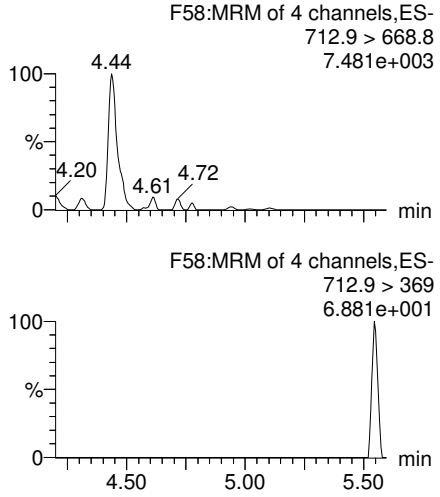
Last Altered: Tuesday, October 24, 2017 11:31:24 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:33:25 Pacific Daylight Time

Name: 171016M4_32, Date: 16-Oct-2017, Time: 19:09:45, ID: 1701432-13 Site 3-GW-MW1-20171005 0.125, Description: Site 3-GW-MW1-20171005

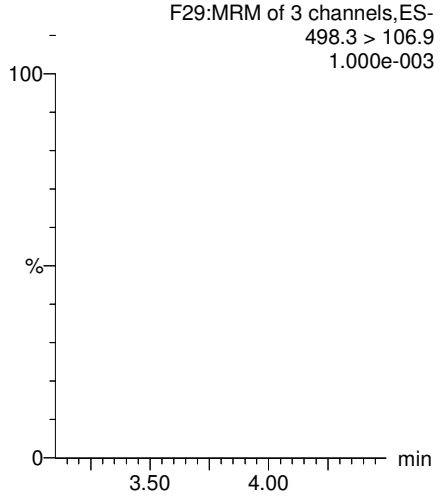
PFTrDA



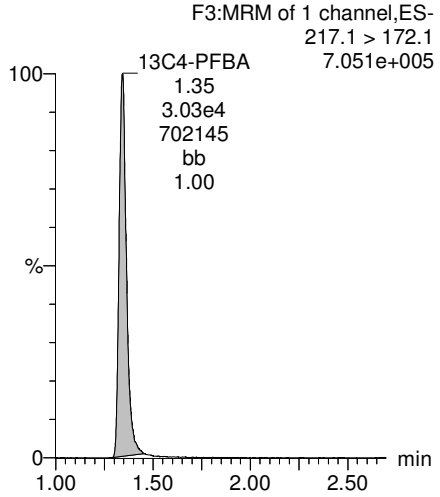
PFTeDA



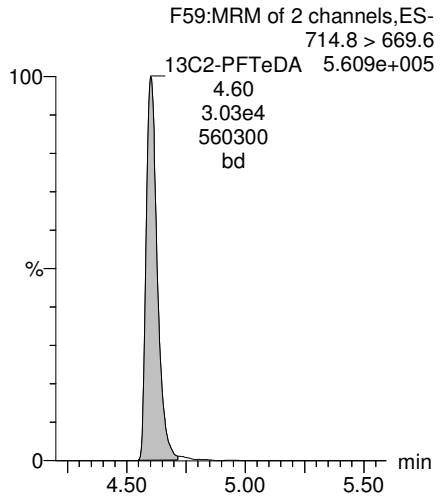
TCDA



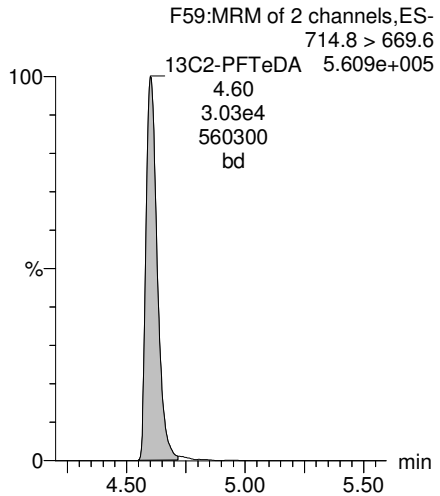
13C4-PFBA



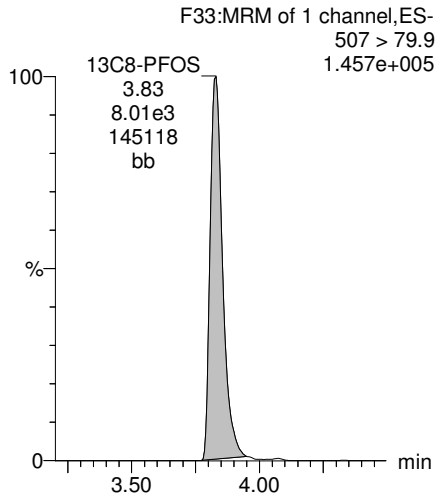
13C2-PFTeDA



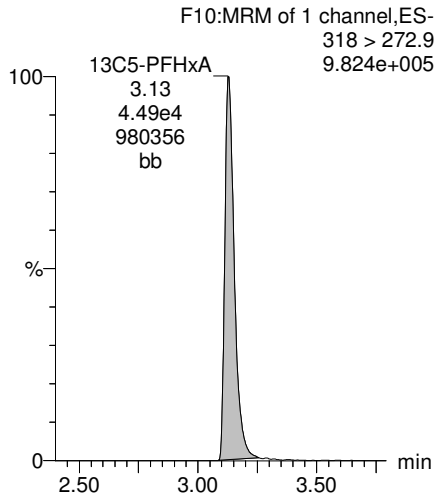
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

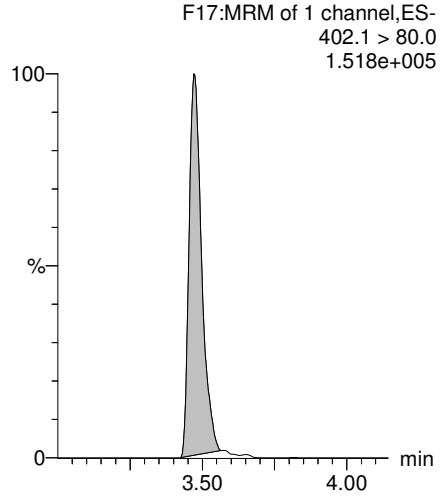
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-32.qld

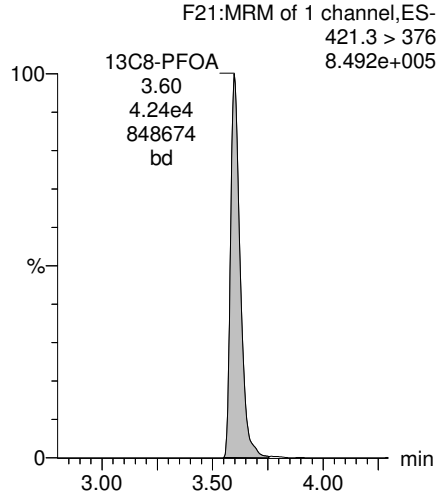
Last Altered: Tuesday, October 24, 2017 11:31:24 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:33:25 Pacific Daylight Time

Name: 171016M4_32, Date: 16-Oct-2017, Time: 19:09:45, ID: 1701432-13 Site 3-GW-MW1-20171005 0.125, Description: Site 3-GW-MW1-20171005

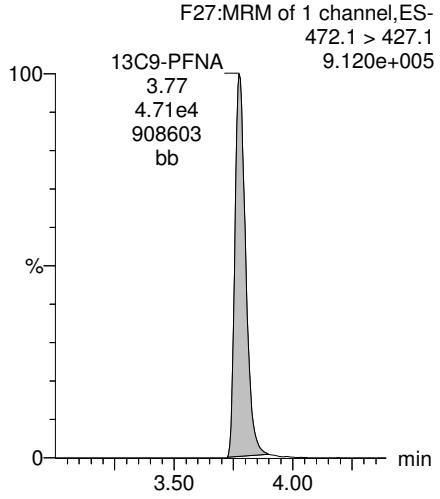
13C3-PFHxS



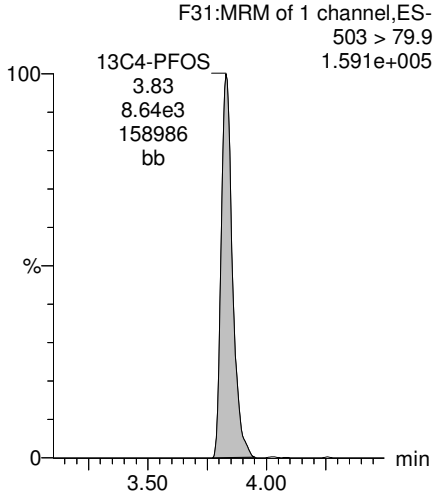
13C8-PFOA



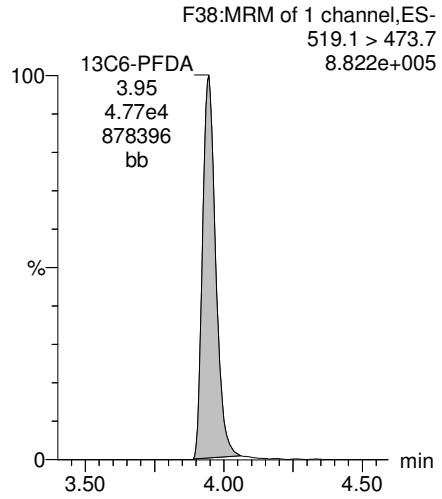
13C9-PFNA



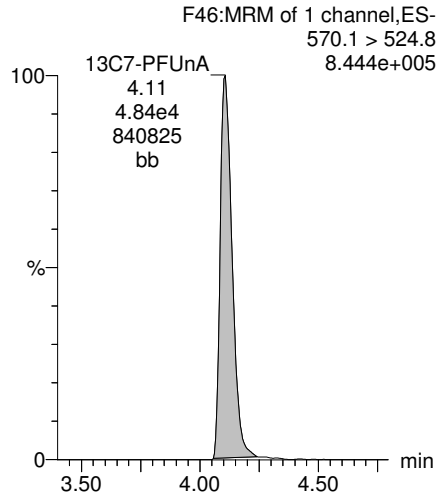
13C4-PFOS



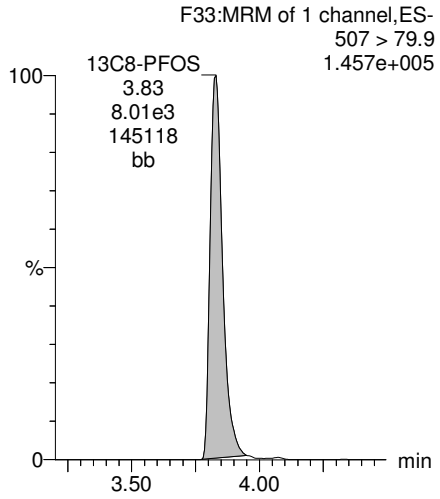
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-33.qld

Last Altered: Tuesday, October 24, 2017 11:38:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:39:32 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_33, Date: 16-Oct-2017, Time: 19:20:31, ID: 1701432-18 Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	3.28e4	2.63e4	0.129		1.32	1.35	15.6	116	
2	2	PFPeA	263.1 > 219.1	1.01e5	3.46e4	0.129		2.91	2.63	36.7	293	
3	3	PFBS	299.1 > 79.9	4.55e3	8.79e3	0.129		3.09	2.87	6.47	53.2	
4	4	PFHxA	313.2 > 268.9	3.42e5	1.09e4	0.129		3.31	3.13	157	836	
5	5	PFHpA	363.1 > 319.1	9.37e4	5.42e4	0.129		3.56	3.39	21.6	183	
6	6	L-PFHxS	399.0 > 80.0	1.04e5	3.02e3	0.129		3.63	3.47	430	1600	
7	9	L-PFOA	413 > 368.7	2.62e6	3.12e4	0.129		3.77	3.60	1050	8560	E
8	12	PFNA	463.1 > 419.1	1.44e4	4.02e4	0.129		3.96	3.78	4.48	32.4	
9	13	PFOSA	498.1 > 77.8		4.82e3	0.129		3.96				
10	14	L-PFOS	499 > 79.9	2.12e4	9.22e3	0.129		4.01	3.83	28.8	221	
11	16	PFDA	513 > 468.8	2.21e4	3.20e4	0.129		4.14	3.94	8.62	45.9	
12	18	N-MeFOSAA	570.1 > 419		8.82e3	0.129		4.17				
13	19	N-EtFOSAA	584.2 > 419		1.18e4	0.129		4.23				
14	20	PFUnA	562.9 > 518.9		3.90e4	0.129		4.31				
15	21	PFDS	598.9 > 80		3.90e4	0.129		4.36				
16	22	PFDoA	613.0 > 569.1		4.25e4	0.129		4.49				
17	24	PFTrDA	662.9 > 618.9		4.25e4	0.129		4.68				

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-33.qld

Last Altered: Tuesday, October 24, 2017 11:38:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:46:21 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_33, Date: 16-Oct-2017, Time: 19:20:31, ID: 1701432-18 Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFTeDA	712.9 > 668.8		3.05e4	0.129		4.88				
2	31	13C3-PFBA	216.1 > 172.1	2.63e4	3.01e4	0.129	0.956	1.32	1.35	10.9	88.3	91.3
3	32	13C3-PFPeA	266.1 > 222.1	3.46e4	4.29e4	0.129	0.288	2.91	2.63	4.03	108	111.7
4	33	13C3-PFBS	302.1 > 79.9	8.79e3	4.29e4	0.129	0.065	3.09	2.87	1.02	121	125.4
5	34	13C2-PFHxA	315 > 269.8	1.09e4	4.29e4	0.129	0.297	3.31	3.13	1.27	33.1	85.6
6	35	13C4-PFHpA	367 > 322.1	5.42e4	4.29e4	0.129	0.641	3.56	3.39	6.31	76.1	78.7
7	36	18O2-PFHxS	403 > 103.0	3.02e3	6.64e3	0.129	0.519	3.63	3.47	5.69	84.8	87.7
8	37	13C2-6:2 FTS	429.1 > 408.9	3.76e3	3.03e4	0.129	0.177	3.76	3.58	1.55	67.6	69.9
9	38	13C2-PFOA	414.9 > 369.7	3.12e4	3.03e4	0.129	1.147	3.77	3.60	12.9	86.9	89.8
10	39	13C5-PFNA	468.1 > 423.1	4.02e4	4.91e4	0.129	0.939	3.96	3.78	10.2	84.4	87.2
11	40	13C8-PFOSA	506.1 > 78.0	4.82e3	5.05e4	0.129	0.177	3.96	3.78	1.19	52.1	53.9
12	41	13C8-PFOS	507 > 79.9	9.22e3	9.70e3	0.129	1.067	4.01	3.83	11.9	86.2	89.1
13	42	13C2-PFDA	515.1 > 469.9	3.20e4	4.93e4	0.129	0.835	4.14	3.94	8.12	75.2	77.8
14	43	13C2-8:2 FTS	529.1 > 508.7	6.15e3	4.93e4	0.129	0.118	4.14	3.93	1.56	103	106.2
15	44	d3-N-MeFOSAA	573.3 > 419	8.82e3	5.05e4	0.129	0.013	4.17	3.97	2.18	1280	101.8
16	45	d5-N-EtFOSAA	589.3 > 419	1.18e4	5.05e4	0.129	0.015	4.23	4.04	2.93	1480	117.5
17	46	13C2-PFUnA	565 > 519.8	3.90e4	5.05e4	0.129	1.017	4.31	4.10	9.65	73.4	75.9
18	47	13C2-PFDoA	615.1 > 570.1	4.25e4	5.05e4	0.129	0.984	4.49	4.26	10.5	82.6	85.4
19	49	13C2-PFTeDA	714.8 > 669.6	3.05e4	5.05e4	0.129	0.618	4.88	4.60	7.54	94.4	97.6
20	54	13C4-PFBA	217.1 > 172.1	3.01e4	3.01e4	0.129	1.000	1.32	1.35	12.5	96.7	100.0
21	55	13C5-PFHxA	318 > 272.9	4.29e4	4.29e4	0.129	1.000	3.31	3.13	5.00	38.7	100.0
22	56	13C3-PFHxS	402.1 > 80.0	6.64e3	6.64e3	0.129	1.000	3.63	3.47	12.5	96.7	100.0
23	57	13C8-PFOA	421.3 > 376	3.03e4	3.03e4	0.129	1.000	3.77	3.60	12.5	96.7	100.0
24	58	13C9-PFNA	472.1 > 427.1	4.91e4	4.91e4	0.129	1.000	3.96	3.78	12.5	96.7	100.0
25	59	13C4-PFOS	503 > 79.9	9.70e3	9.70e3	0.129	1.000	4.01	3.83	12.5	96.7	100.0
26	60	13C6-PFDA	519.1 > 473.7	4.93e4	4.93e4	0.129	1.000	4.14	3.94	12.5	96.7	100.0
27	61	13C7-PFUnA	570.1 > 524.8	5.05e4	5.05e4	0.129	1.000	4.31	4.11	12.5	96.7	100.0
28	62	Total PFHxS	399.0 > 80.0	1.04e5	3.02e3	0.129		3.63		430	1600	
29	63	Total PFOA	413 > 368.7	2.89e6	3.12e4	0.129		3.77		1160	9450	
30	64	Total PFOS	499 > 79.9	2.12e4	9.22e3	0.129		4.01		28.8	221	
31	65	Total N-MeFOSAA	570.1 > 419	0.00e0	8.82e3	0.129		4.17		0.000		
32	66	Total N-EtFOSAA	584.2 > 419	0.00e0	1.18e4	0.129		4.23		0.000		

AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

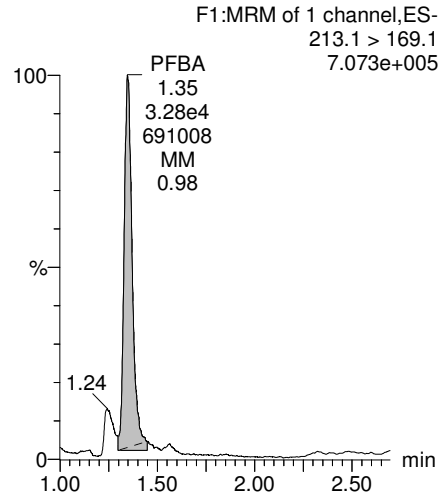
Dataset: U:\Q4.PRO\results\171016M4\171016M4-33.qld

Last Altered: Tuesday, October 24, 2017 11:38:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:39:32 Pacific Daylight Time

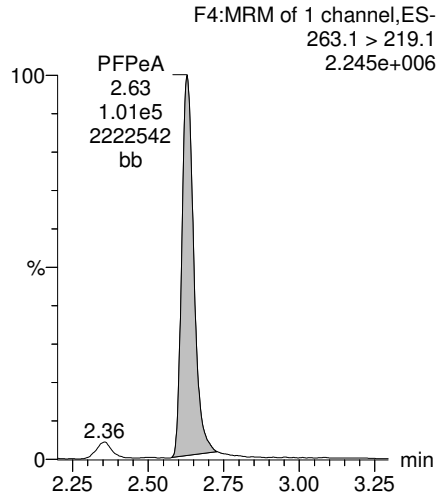
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 16 Oct 2017 11:05:00
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_33, Date: 16-Oct-2017, Time: 19:20:31, ID: 1701432-18 Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

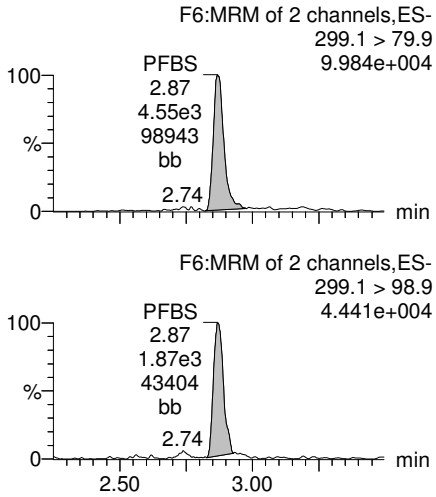
PFBA



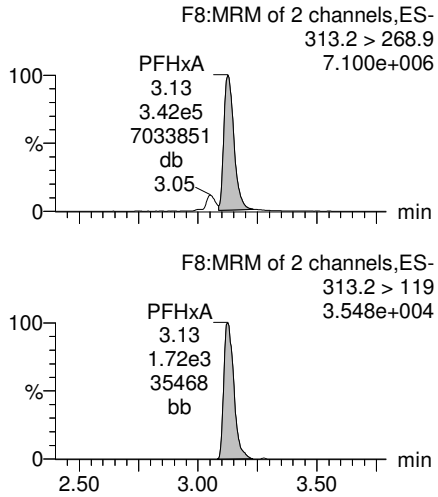
PFPeA



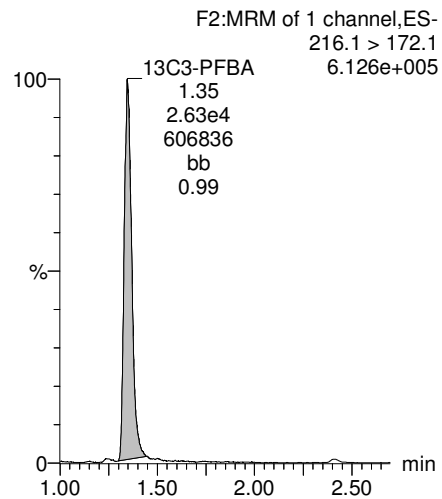
PFBS



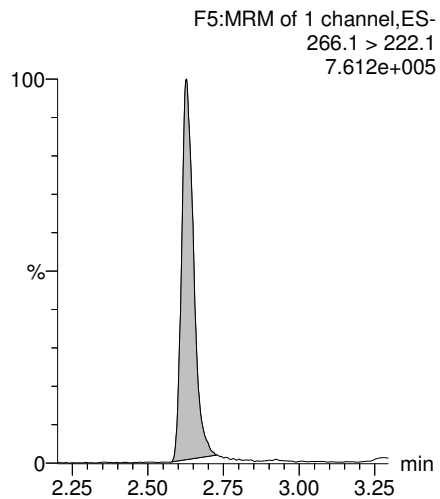
PFHxA



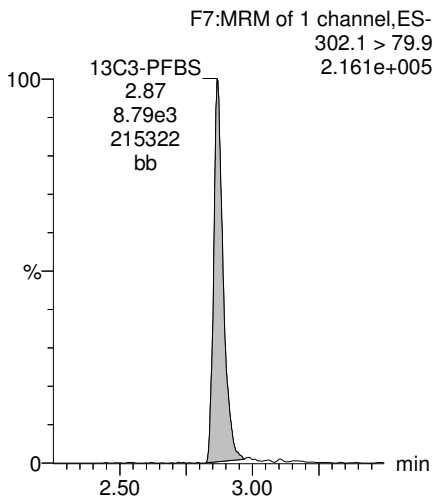
13C3-PFBA



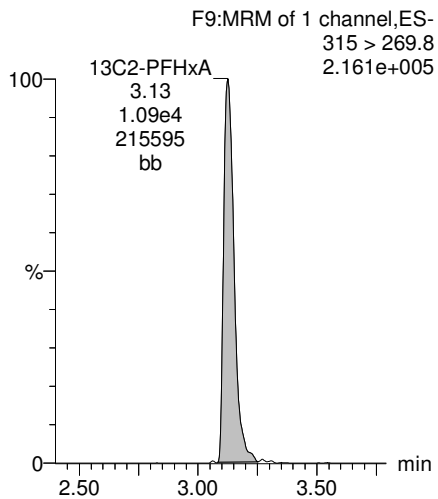
13C3-PFPeA



13C3-PFBS



13C2-PFHxA



AC 10/24/17

Vista Analytical Laboratory

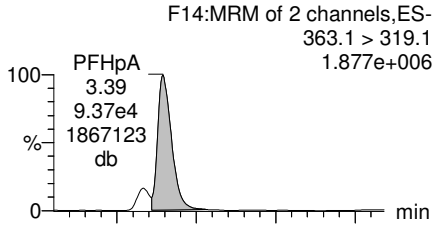
Rev'd: MM 10/27/17

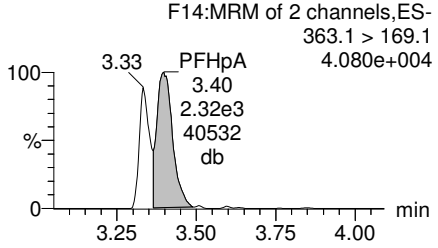
Dataset: U:\Q4.PRO\results\171016M4\171016M4-33.qld

Last Altered: Tuesday, October 24, 2017 11:38:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:39:32 Pacific Daylight Time

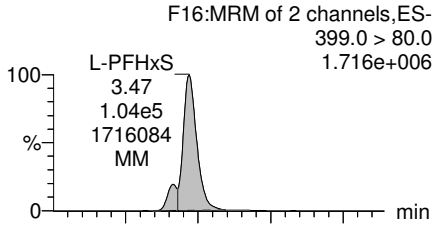
Name: 171016M4_33, Date: 16-Oct-2017, Time: 19:20:31, ID: 1701432-18 Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

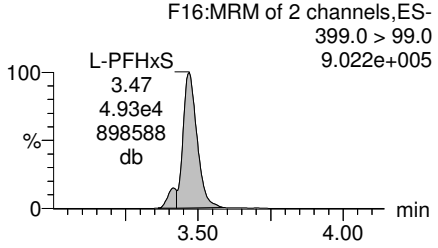
PFHpA



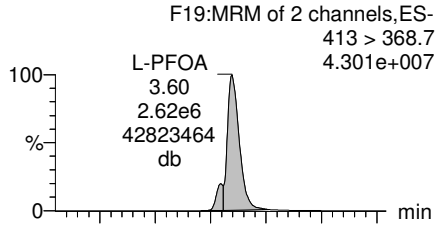


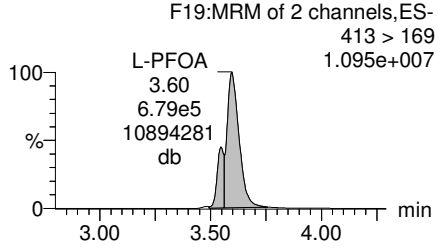
Total PFHxS



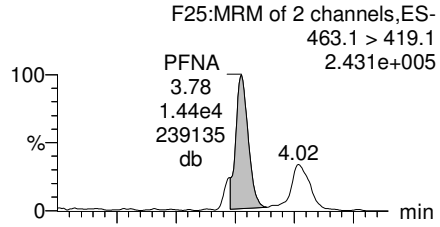


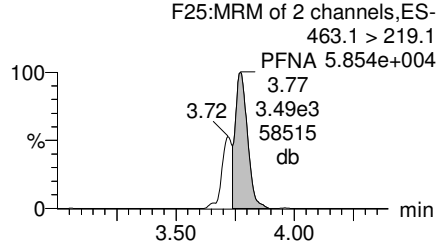
Total PFOA



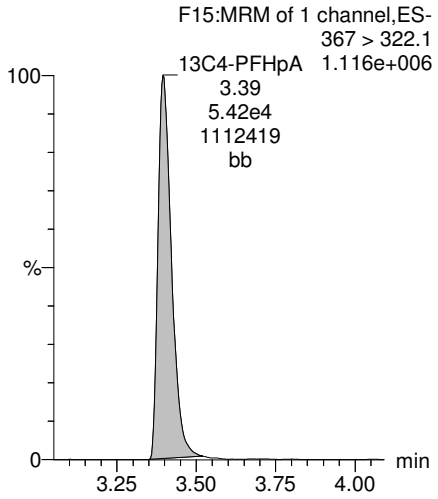


PFNA

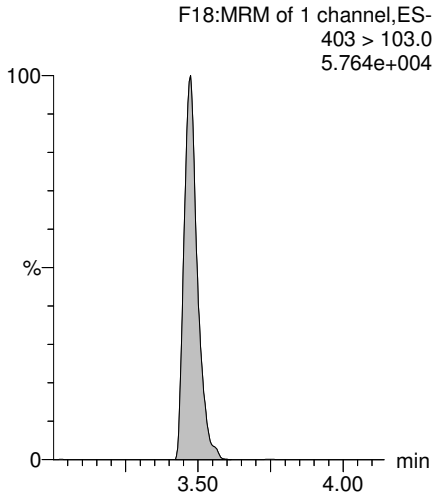




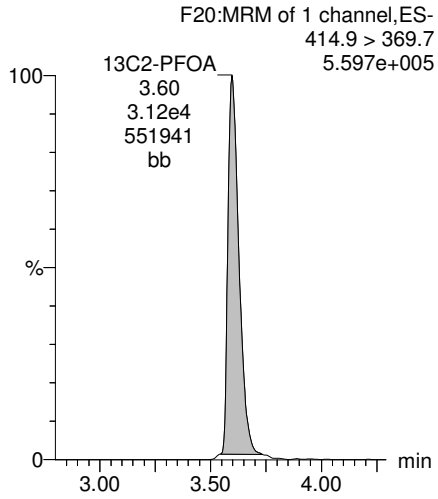
13C4-PFHpA



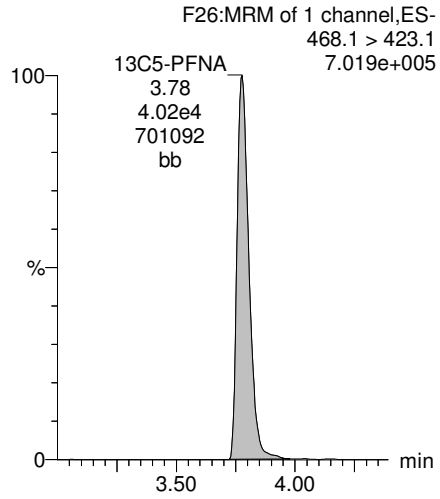
18O2-PFHxS



13C2-PFOA



13C5-PFNA



AC 10/24/17

Vista Analytical Laboratory

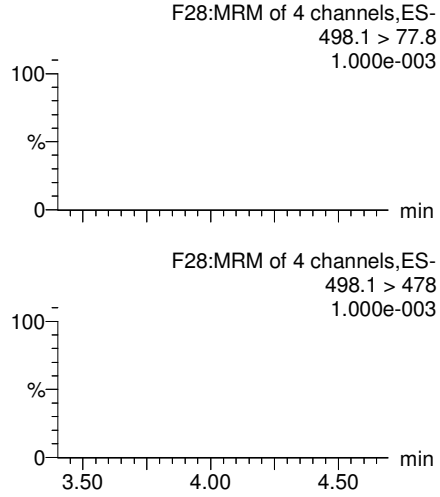
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-33.qld

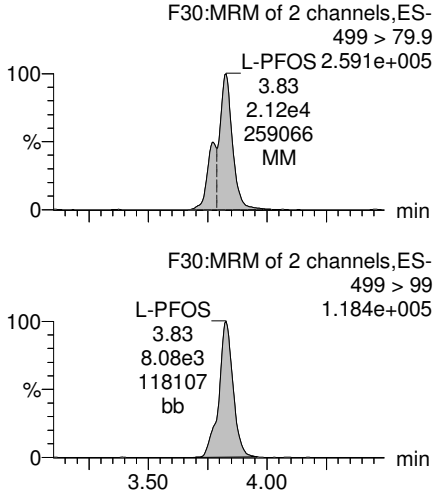
Last Altered: Tuesday, October 24, 2017 11:38:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:39:32 Pacific Daylight Time

Name: 171016M4_33, Date: 16-Oct-2017, Time: 19:20:31, ID: 1701432-18 Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

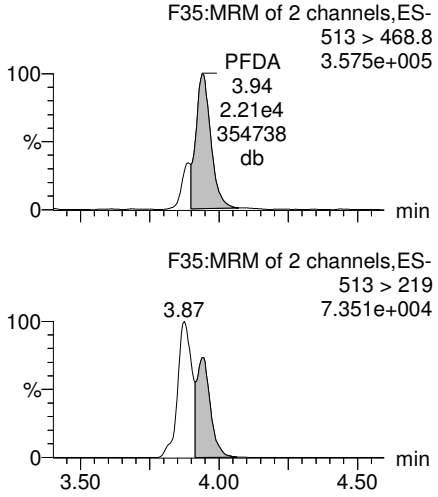
PFOSA



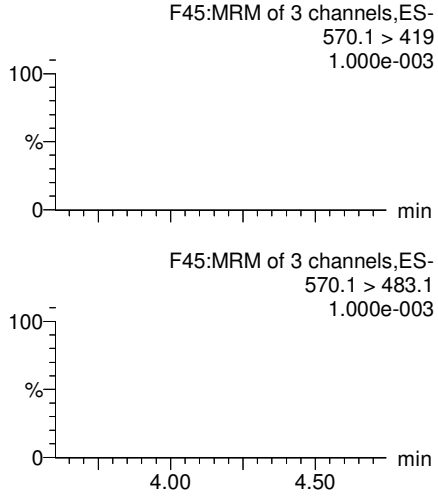
Total PFOS



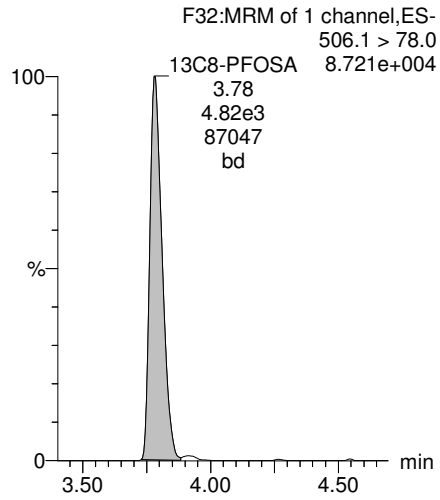
PFDA



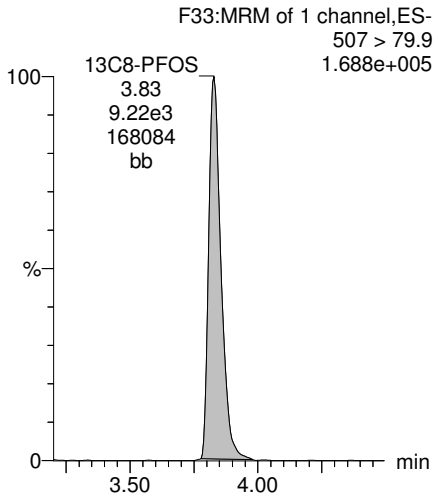
N-MeFOSAA



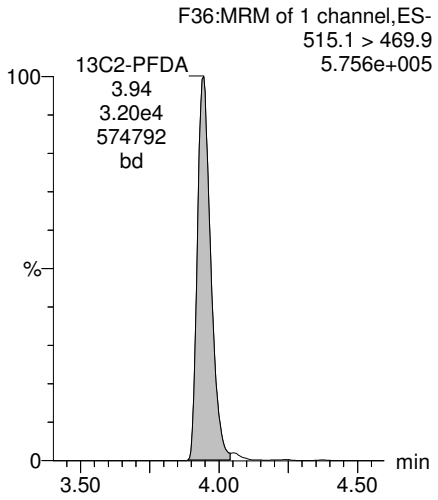
13C8-PFOSA



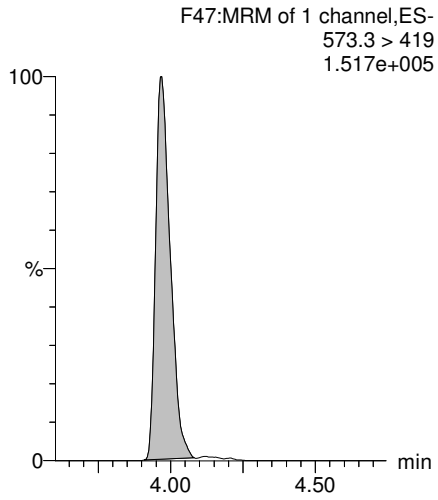
13C8-PFOS



13C2-PFDA



d3-N-MeFOSAA



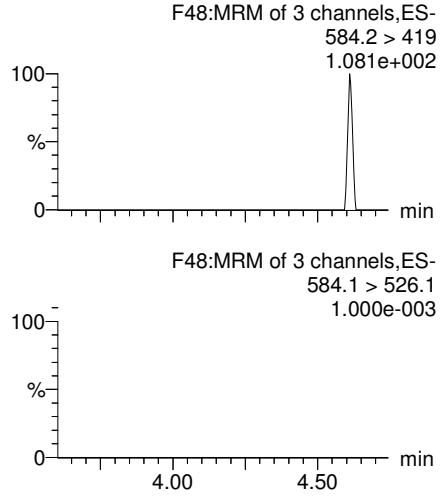
AC 10/24/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-33.qld

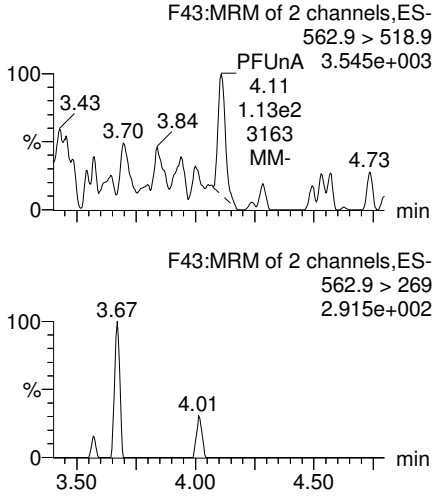
Last Altered: Tuesday, October 24, 2017 11:38:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:39:32 Pacific Daylight Time

Name: 171016M4_33, Date: 16-Oct-2017, Time: 19:20:31, ID: 1701432-18 Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

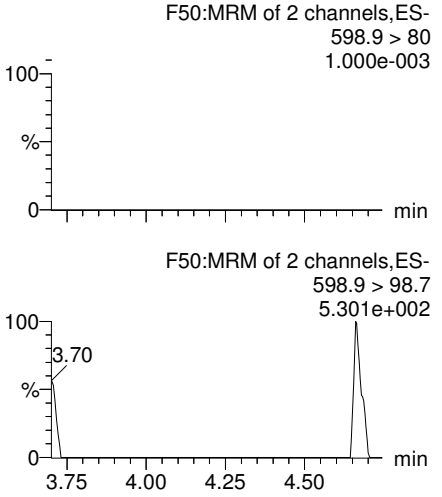
N-EtFOSAA



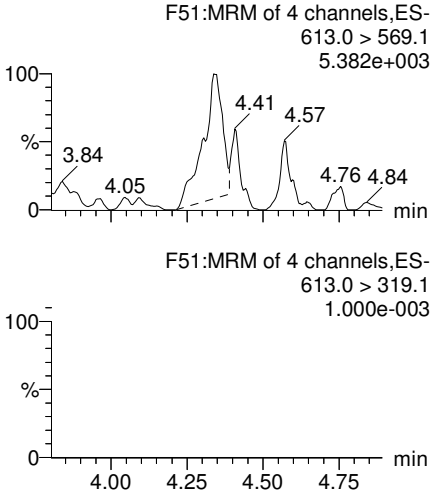
PFUnA



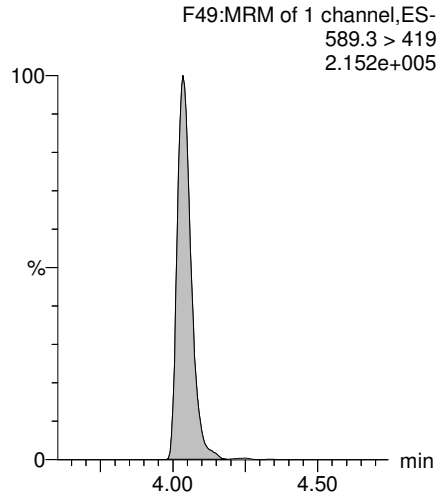
PFDS



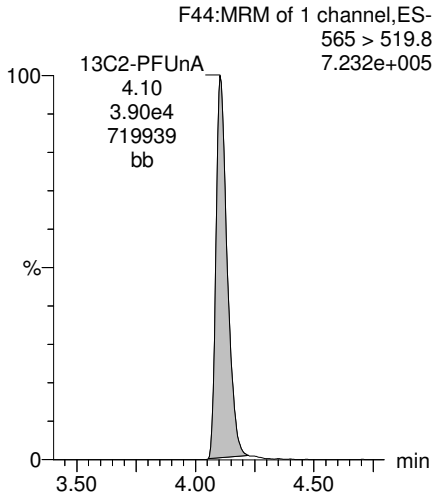
PFDoA



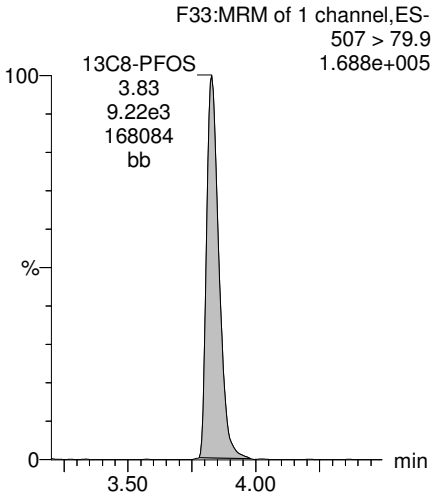
d5-N-EtFOSAA



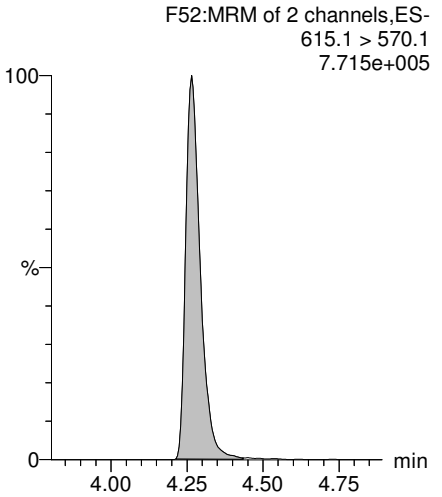
13C2-PFUnA



13C8-PFOS



13C2-PFDoA



AC 10/24/17

Vista Analytical Laboratory

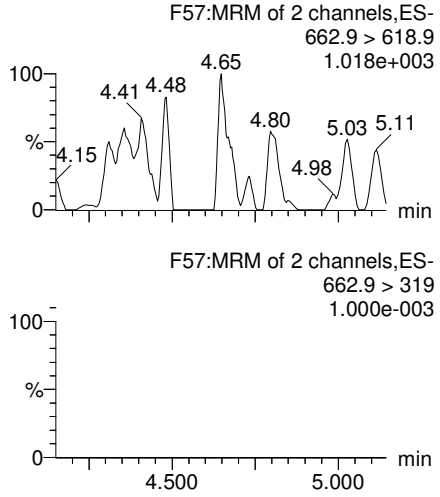
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-33.qld

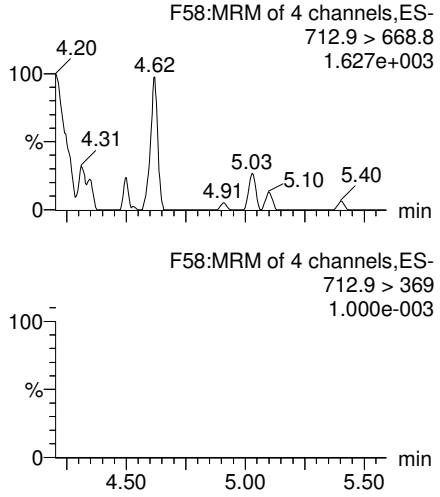
Last Altered: Tuesday, October 24, 2017 11:38:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:39:32 Pacific Daylight Time

Name: 171016M4_33, Date: 16-Oct-2017, Time: 19:20:31, ID: 1701432-18 Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

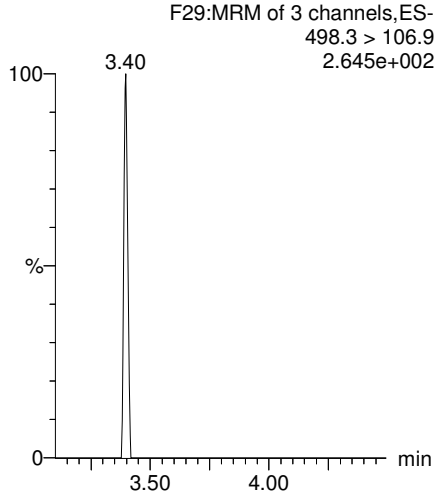
PFTrDA



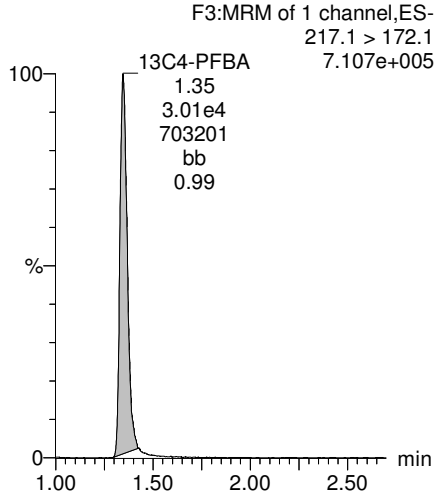
PFTeDA



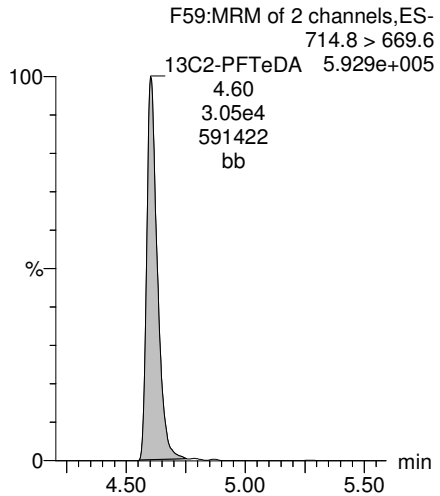
TCDA



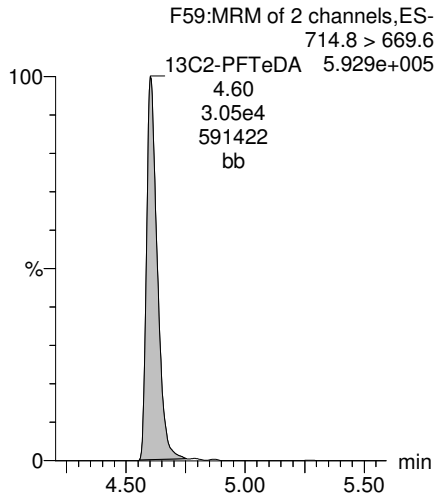
13C4-PFBA



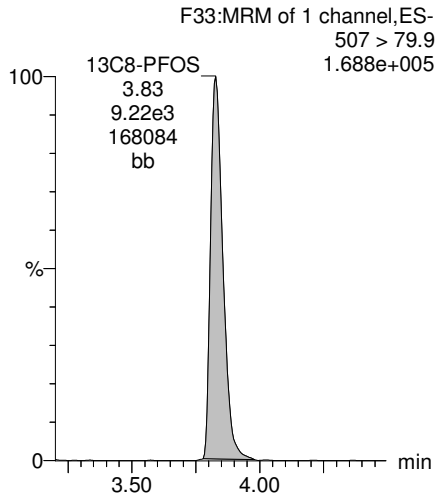
13C2-PFTeDA



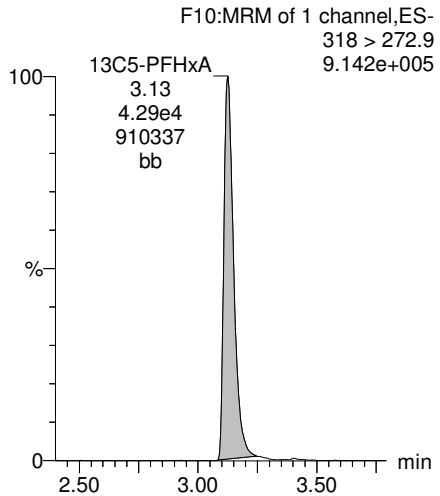
13C2-PFTeDA



13C8-PFOS



13C5-PFHxA



AC 10/24/17

Vista Analytical Laboratory

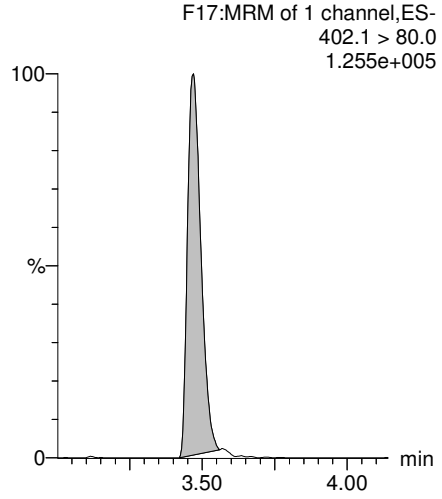
Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-33.qld

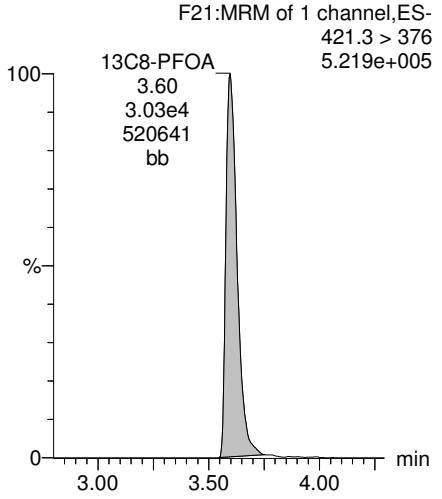
Last Altered: Tuesday, October 24, 2017 11:38:44 Pacific Daylight Time
Printed: Tuesday, October 24, 2017 11:39:32 Pacific Daylight Time

Name: 171016M4_33, Date: 16-Oct-2017, Time: 19:20:31, ID: 1701432-18 Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

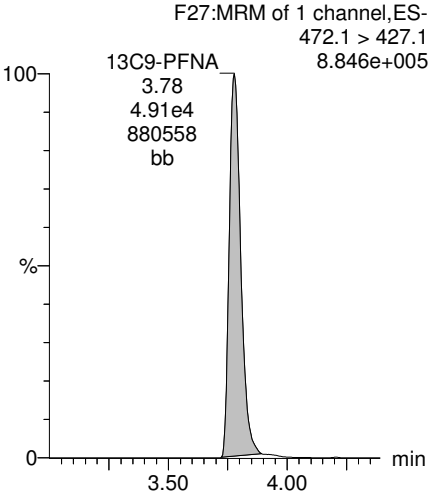
13C3-PFHxS



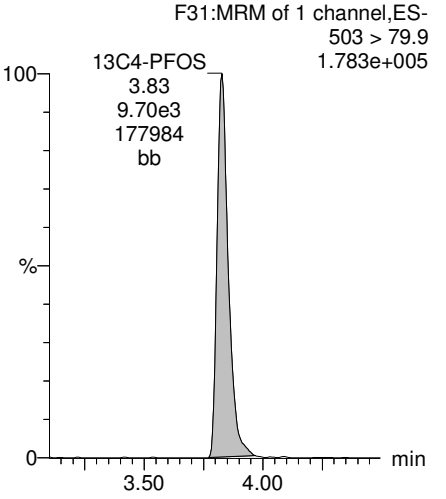
13C8-PFOA



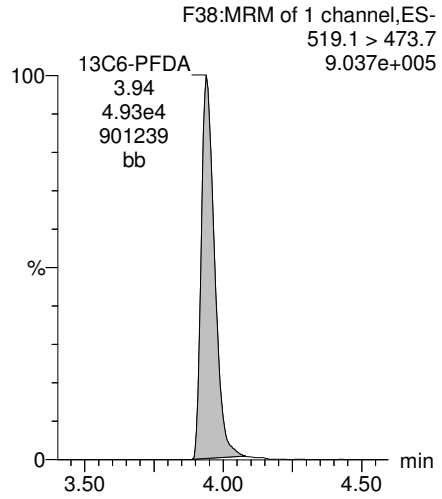
13C9-PFNA



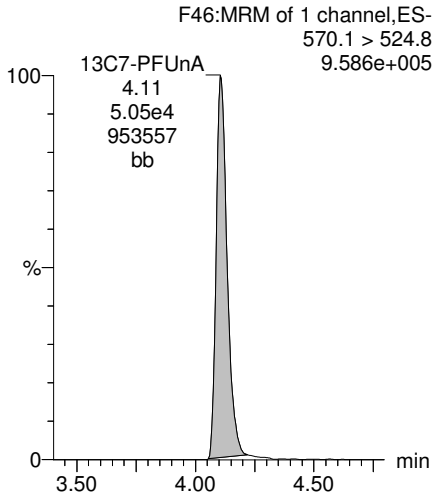
13C4-PFOS



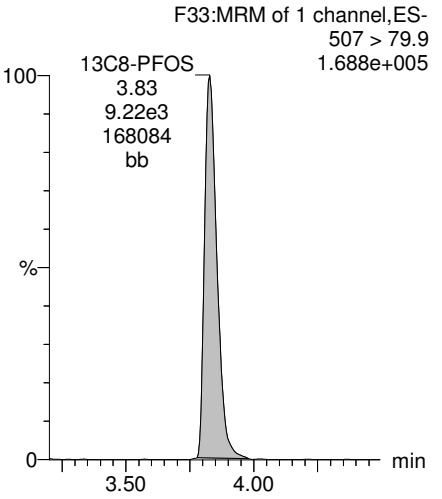
13C6-PFDA



13C7-PFUnA



13C8-PFOS



AC 10/24/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

Dataset: U:\Q4.PRO\results\171017M4\171017M4-20.qld

Last Altered: Friday, October 27, 2017 14:15:04 Pacific Daylight Time
Printed: Friday, October 27, 2017 14:17:38 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 25 Oct 2017 13:05:29
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171017M4_20, Date: 17-Oct-2017, Time: 21:13:36, ID: 1701432-18@5X Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	9	L-PFOA	413 > 368.7	9.39e5	1.12e4	0.1292		3.77	3.62	1050	8580	
2	38	13C2-PFOA	414.9 > 369.7	1.12e4	9.79e3	0.1292	1.147	3.77	3.62	14.2	96.1	99.4
3	57	13C8-PFOA	421.3 > 376	9.79e3	9.79e3	0.1292	1.000	3.77	3.62	12.5	96.7	100.0
4	63	Total PFOA	413 > 368.7	1.02e6	1.12e4	0.1292		3.77		1140	9330	

AC 10/27/17

Vista Analytical Laboratory

Rev'd: MM 10/27/17

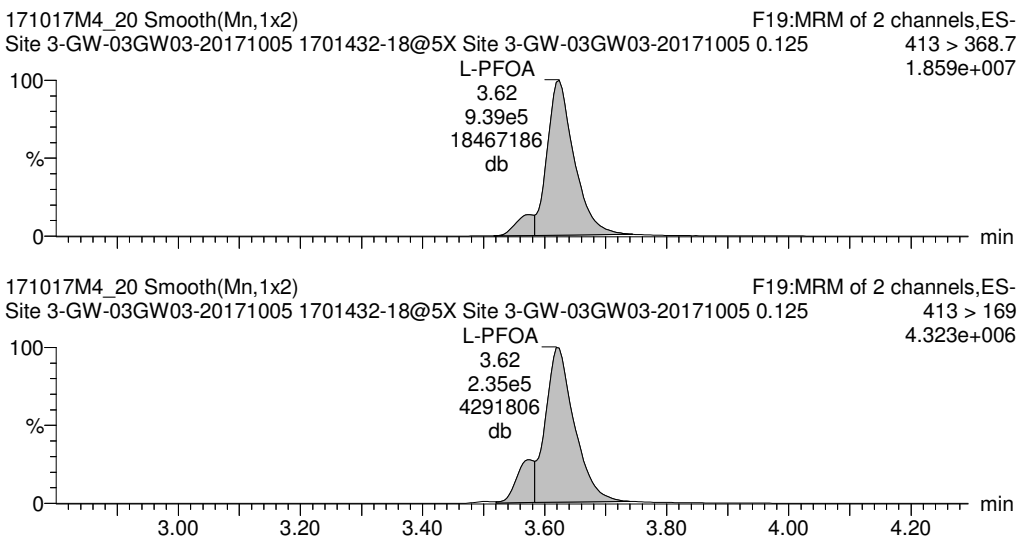
Dataset: U:\Q4.PRO\results\171017M4\171017M4-20.qld

Last Altered: Friday, October 27, 2017 14:15:04 Pacific Daylight Time
Printed: Friday, October 27, 2017 14:17:38 Pacific Daylight Time

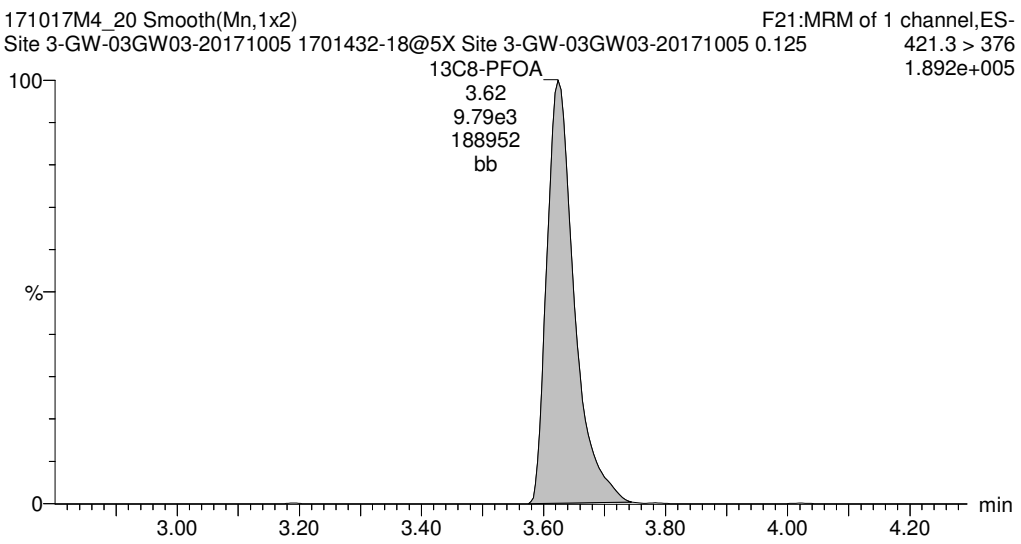
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-16-17.mdb 25 Oct 2017 13:05:29
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171017M4_20, Date: 17-Oct-2017, Time: 21:13:36, ID: 1701432-18@5X Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

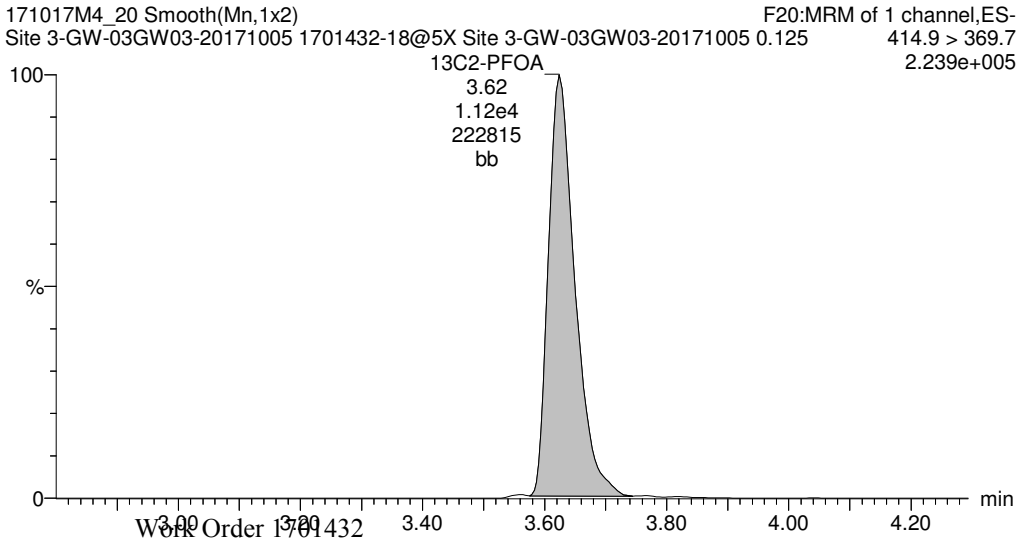
Total PFOA



13C8-PFOA



13C2-PFOA



AC 10/27/17

INJECTION INTERNAL STANDARD (IIS) AREAS,

INSTRUMENT BLANKS (IB)

AND

CONTINUTING CALIBRATION VERIFICATIONS CCV)

RS Peak Area %

13C2-PFOA

Sample ID	Sample RS Peak Area	ICAL RS Peak Area		Peak Area %
B7J0077-BS1 LFB 0.25	6751.197		7928	85.15636983
B7J0077-BSD1 LFBD 0.25	6276.95		7928	79.17444501
B7J0077-BLK1 LRB 0.25	6299.895		7928	79.46386226
1701432-01 EB01_20171002 0.25	6391.601		7928	80.62059788
1701432-15 Site 3-DW-421648-201710(	5644.125		7928	71.19229314
1701432-16 DUP01_20171005 0.25	4749.131		7928	59.9032669
1701432-17 FRB01_20171005 0.25	5596.422		7928	70.59059031

13C4-PFOS

Sample ID	Sample RS Peak Area	ICAL RS Peak Area	Peak Area %
B7J0077-BS1 LFB 0.25	7256.111	8.67E+03	83.711479
B7J0077-BSD1 LFBD 0.25	6871.285	8.67E+03	79.27186202
B7J0077-BLK1 LRB 0.25	7849.978	8.67E+03	90.5627365
1701432-01 EB01_20171002 0.25	7430.814	8.67E+03	85.72697277
1701432-15 Site 3-DW-421648-201710(	6644.267	8.67E+03	76.65282649
1701432-16 DUP01_20171005 0.25	6046.015	8.67E+03	69.75098062
1701432-17 FRB01_20171005 0.25	6410.321	8.67E+03	73.95386479

d3-N-MeFOSAA

Sample ID	Sample RS Peak Area	ICAL RS Peak Area	Peak Area %
B7J0077-BS1 LFB 0.25	3983.392	4.95E+03	80.40758983
B7J0077-BSD1 LFBD 0.25	4149.354	4.95E+03	83.75765038
B7J0077-BLK1 LRB 0.25	4163.523	4.95E+03	84.04366169
1701432-01 EB01_20171002 0.25	4086.55	4.95E+03	82.48990715
1701432-15 Site 3-DW-421648-201710(	3582.367	4.95E+03	72.31261607
1701432-16 DUP01_20171005 0.25	3539.521	4.95E+03	71.4477392
1701432-17 FRB01_20171005 0.25	3908.33	4.95E+03	78.89241017

CCAL RS PEAK AREA %

13C2-PFOA	ST170628G4-10			
Sample ID	**File Text**	**Sample RS Peak Area**	**CCAL RS Peak Area**	**Peak Area %**
B7F0113-BLK1 LRB 0.25	LRB	5417.336	7388.369	73.32248836
1700765-01 10 Main St 0.24505	10 Main St	5912.692	7388.369	80.02702626
1700765-02 11 Daniel 0.24915	11 Daniel	5993.213	7388.369	81.11686084
1700765-03 12 Main St 0.24892	12 Main St	6010.787	7388.369	81.35472118
1700765-04 13 Daniel 0.2463	13 Daniel	6254.56	7388.369	84.65413679
1700765-05 32 Sunrise 0.2497	32 Sunrise	6678.79	7388.369	90.39599944

13C4-PFOS	ST170628G4-10			
Sample ID	**File Text**	**Sample RS Peak Area**	**ICAL RS Peak Area**	**Peak Area %**
B7F0113-BLK1 LRB 0.25	LRB	6558.373	7808.438	83.99084426
B7F0113-BS1 LFB 0.25	LFB	6231.11	7808.438	79.79969874
1700765-02 11 Daniel 0.24915	11 Daniel	6616.731	7808.438	84.73821525
1700765-03 12 Main St 0.24892	12 Main St	6167.358	7808.438	78.98324863
1700765-04 13 Daniel 0.2463	13 Daniel	7289.229	7808.438	93.35066757
1700765-05 32 Sunrise 0.2497	32 Sunrise	7134.257	7808.438	91.36599407
ST170628G4-11 PFC CS5 17F1612	PFC CS5 17F1612	9076.87	7808.438	116.2443756

13C4-PFOS	ST170628G4-10			
Sample ID	**File Text**	**Sample RS Peak Area**	**ICAL RS Peak Area**	**Peak Area %**
B7F0113-BLK1 LRB 0.25	LRB	6558.373	7808.438	83.99084426
B7F0113-BS1 LFB 0.25	LFB	6231.11	7808.438	79.79969874
1700765-02 11 Daniel 0.24915	11 Daniel	6616.731	7808.438	84.73821525
1700765-03 12 Main St 0.24892	12 Main St	6167.358	7808.438	78.98324863
1700765-04 13 Daniel 0.2463	13 Daniel	7289.229	7808.438	93.35066757
1700765-05 32 Sunrise 0.2497	32 Sunrise	7134.257	7808.438	91.36599407
ST170628G4-11 PFC CS5 17F1612	PFC CS5 17F1612	9076.87	7808.438	116.2443756

Vista Analytical Laboratory Q1

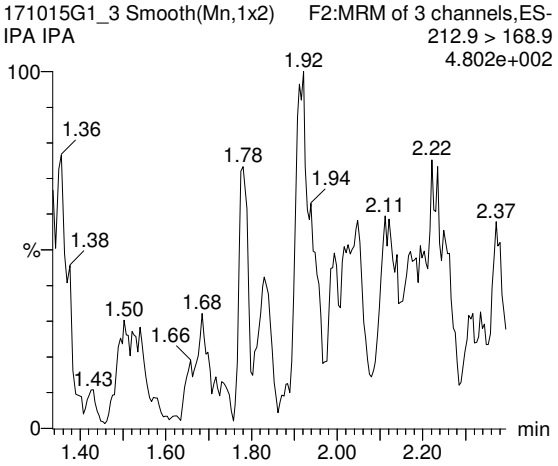
Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 10:52:05 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 10:52:13 Pacific Daylight Time

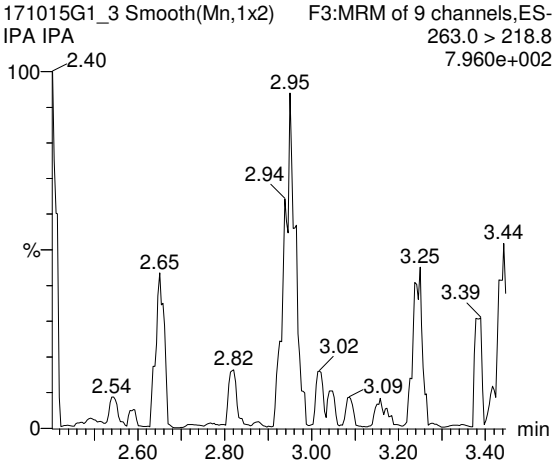
Method: U:\G1.PRO\MethDB\PFAS_A_2trans_1010.mdb 16 Oct 2017 16:29:47
Calibration: U:\G1.PRO\CurveDB\C18_VAL-PFC_Q1_10-12-17_L9_2Trans.cdb 13 Oct 2017 11:44:02

Name: 171015G1_3, Date: 15-Oct-2017, Time: 13:22:40, ID: IPA, Description: IPA

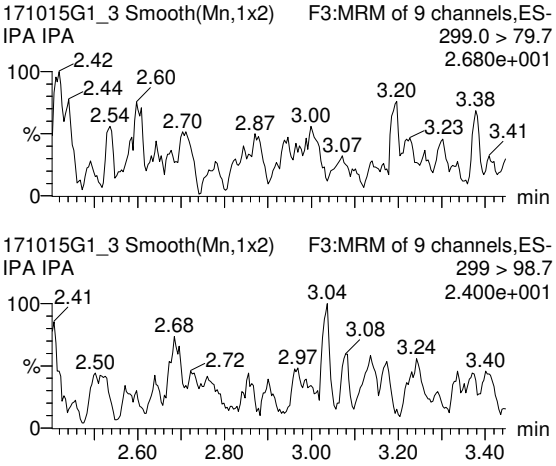
PFBA



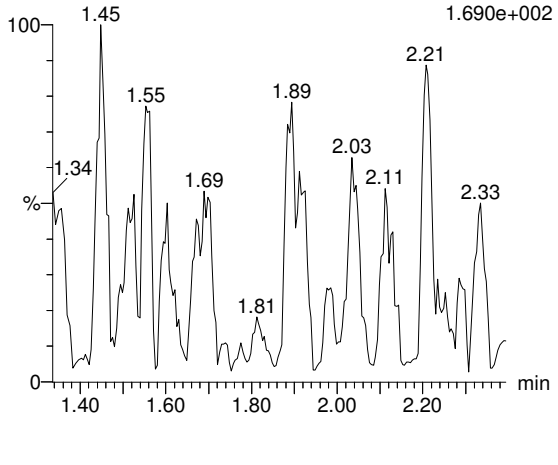
PFPeA



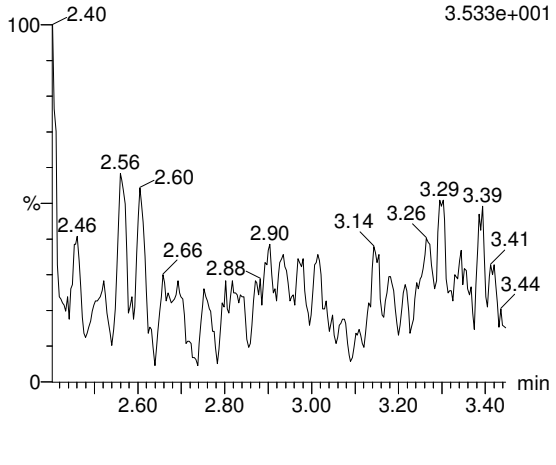
PFBS



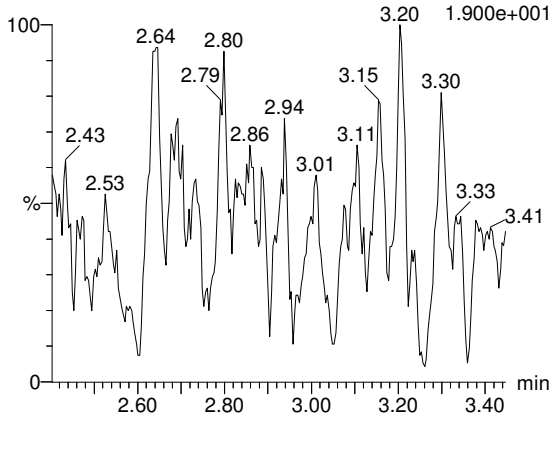
13C3-PFBA



13C3-PFPeA



13C3-PFBS

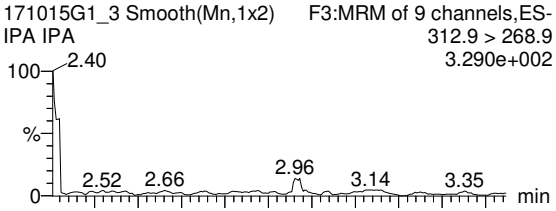


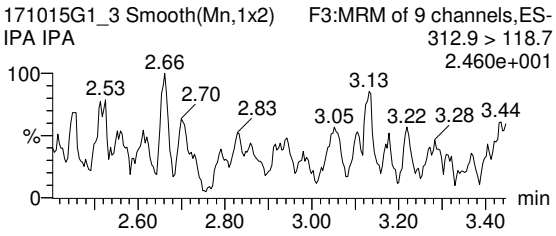
Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 10:52:05 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 10:52:13 Pacific Daylight Time

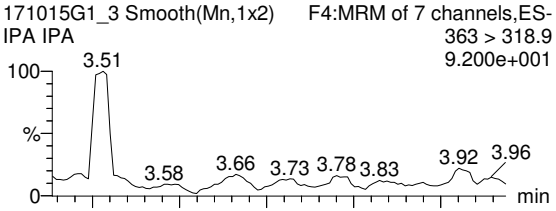
Name: 171015G1_3, Date: 15-Oct-2017, Time: 13:22:40, ID: IPA, Description: IPA

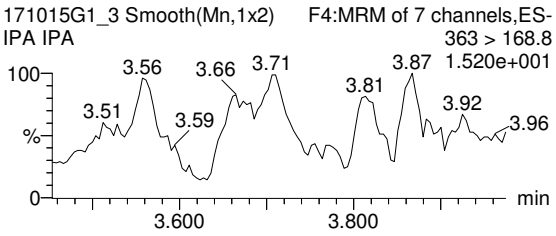
PFHxA



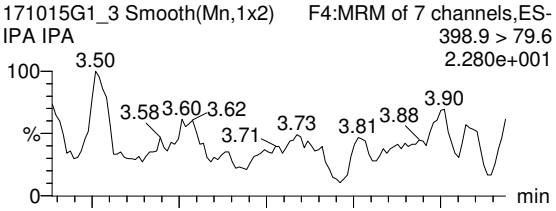


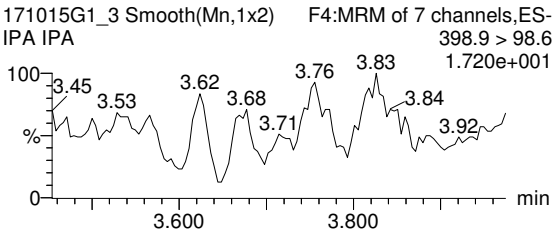
PFHpA



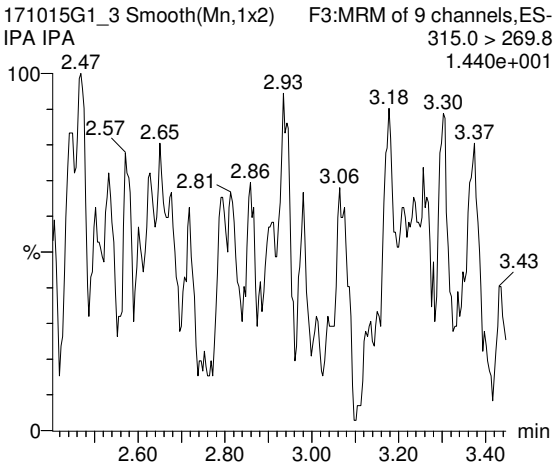


Total PFHxS

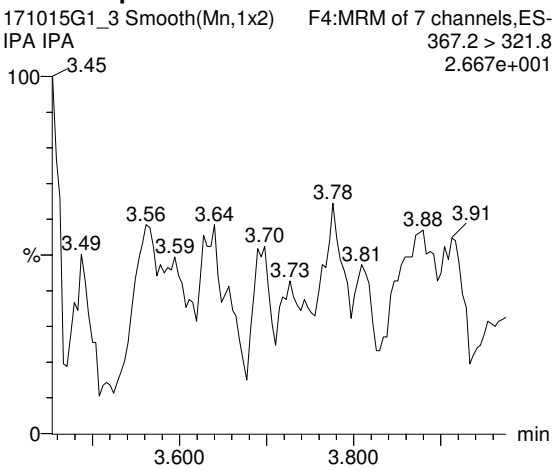




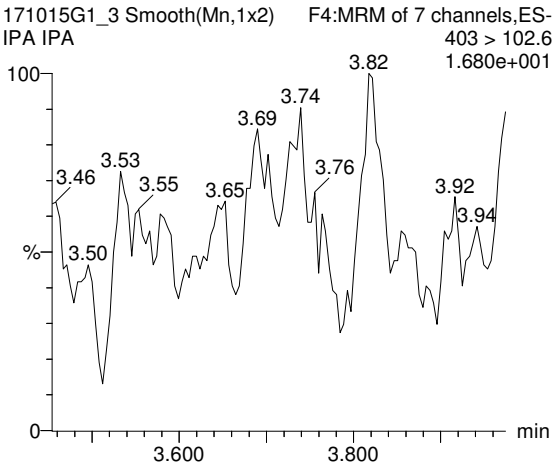
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

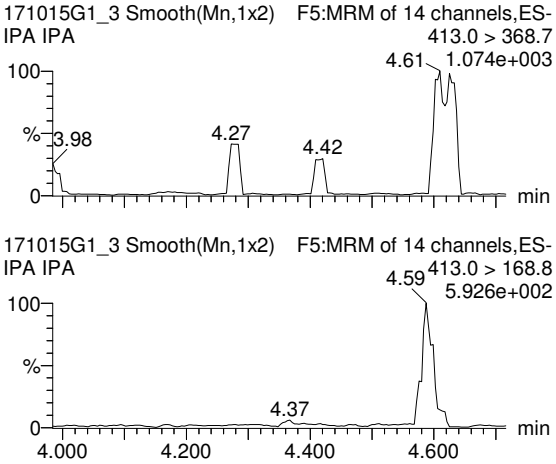


Dataset: Untitled

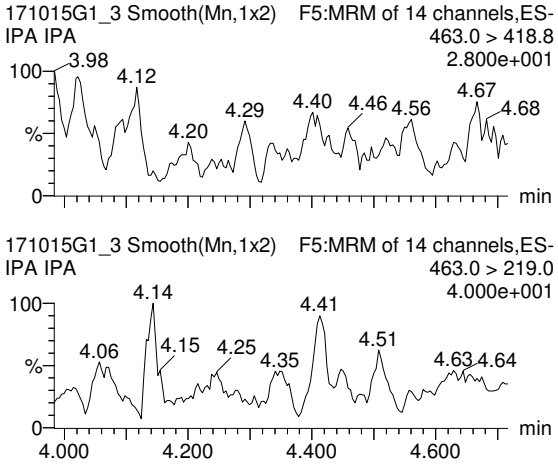
Last Altered: Wednesday, October 18, 2017 10:52:05 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 10:52:13 Pacific Daylight Time

Name: 171015G1_3, Date: 15-Oct-2017, Time: 13:22:40, ID: IPA, Description: IPA

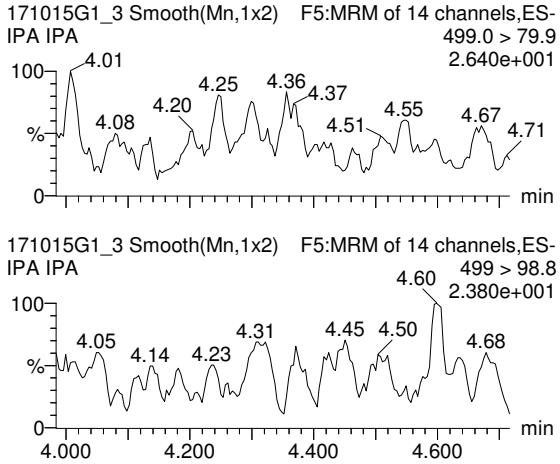
Total PFOA



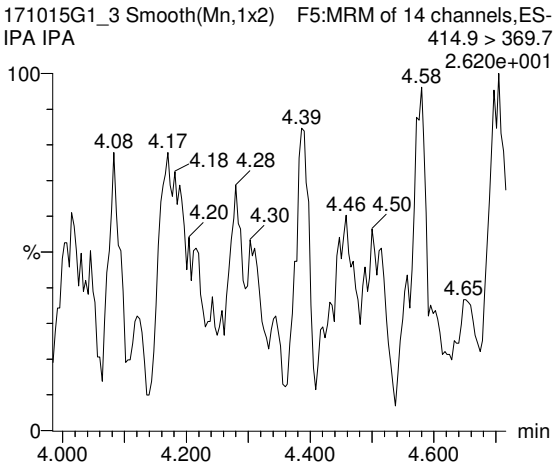
PFNA



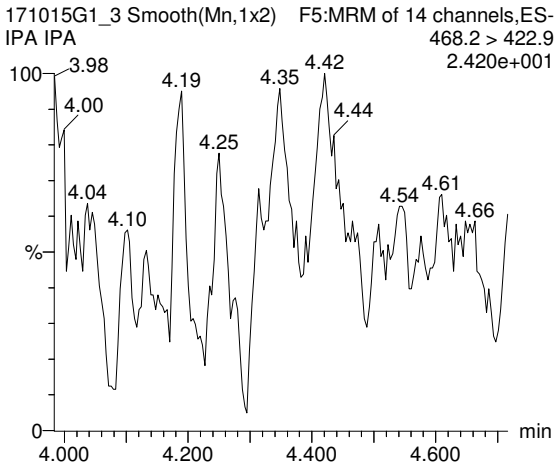
Total PFOS



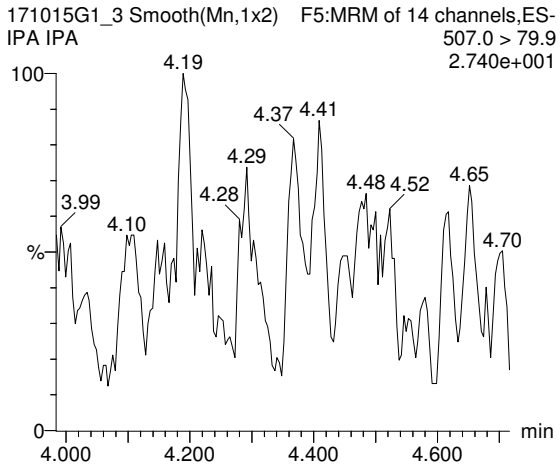
13C2-PFOA



13C5-PFNA



13C8-PFOS

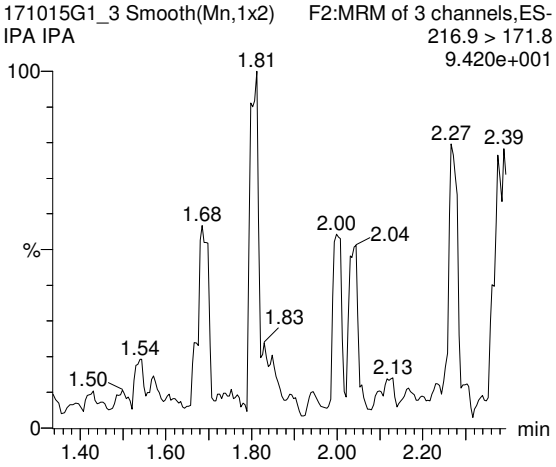


Dataset: Untitled

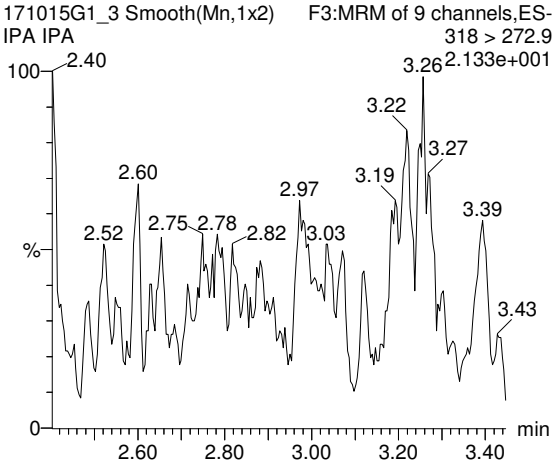
Last Altered: Wednesday, October 18, 2017 10:52:05 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 10:52:13 Pacific Daylight Time

Name: 171015G1_3, Date: 15-Oct-2017, Time: 13:22:40, ID: IPA, Description: IPA

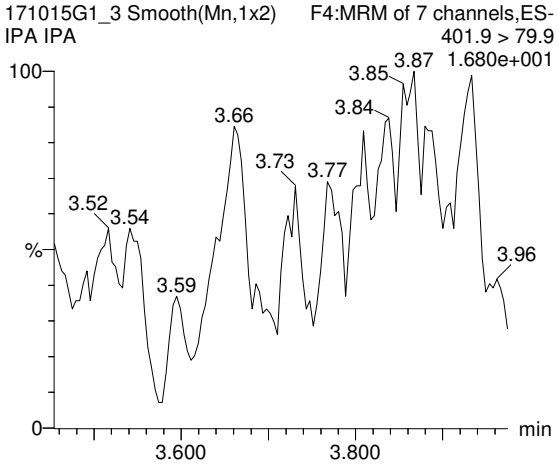
13C4-PFBA



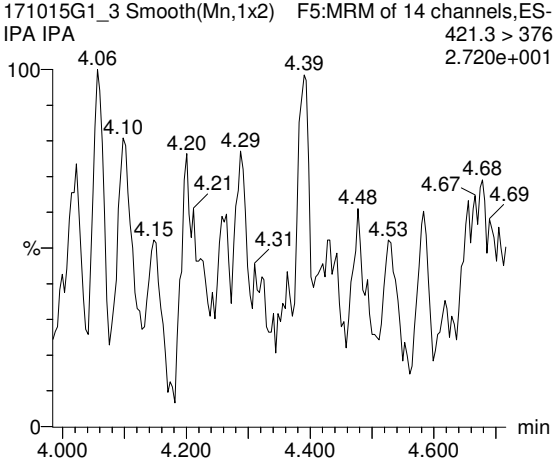
13C5-PFHxA



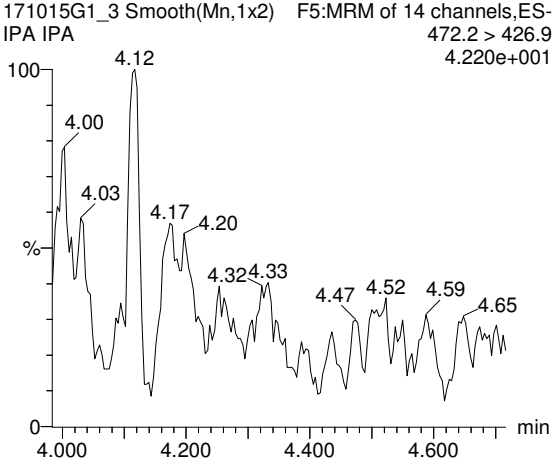
13C3-PFHxS



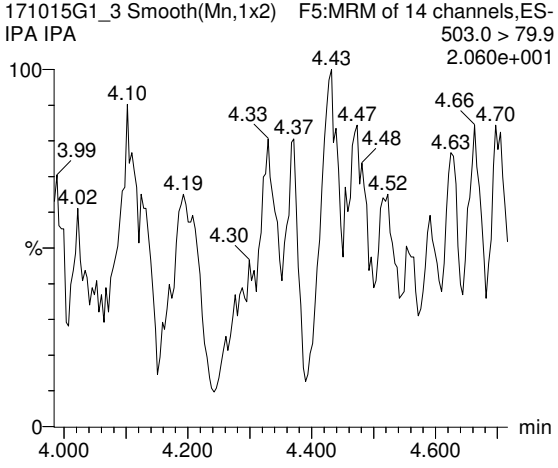
13C8-PFOA



13C9-PFNA



13C4-PFOS

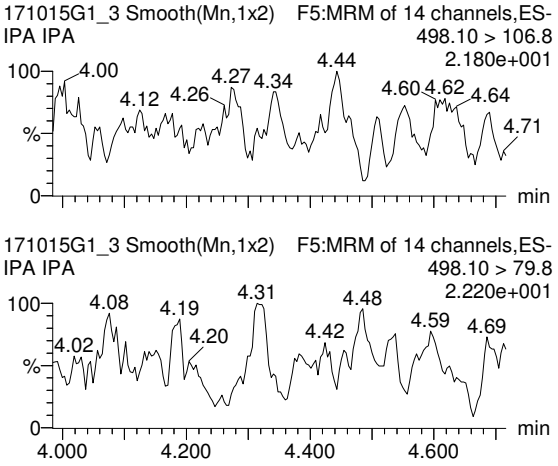


Dataset: Untitled

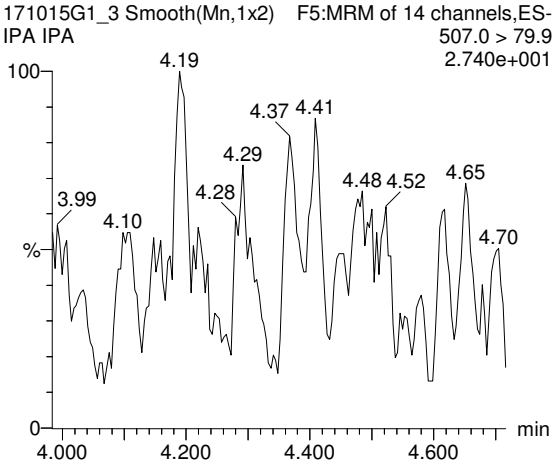
Last Altered: Wednesday, October 18, 2017 10:52:05 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 10:52:13 Pacific Daylight Time

Name: 171015G1_3, Date: 15-Oct-2017, Time: 13:22:40, ID: IPA, Description: IPA

TCDA



13C8-PFOS



Vista Analytical Laboratory

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-27.qld

Last Altered: Sunday, October 29, 2017 14:11:32 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:11:52 Pacific Daylight Time

AC 10/29/17

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_27, Date: 15-Oct-2017, Time: 23:59:32, ID: ST171015G2-10 PFC CS3 537 17J1315, Description: PFC CS3 537 17J1315

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBS	299 > 79.7	1.36e4	9.98e3	1.0000		2.91	2.95	39.2	43.174	97.7
2	2	PFHxA	313.2 > 268.9	8.73e3	8.83e3	1.0000		3.32	3.33	9.90	48.965	97.9
3	3	PFHpA	363 > 318.9	3.40e4	8.83e3	1.0000		3.82	3.83	38.5	51.730	103.5
4	4	PFHxS	398.9 > 79.6	1.52e4	9.98e3	1.0000		3.94	3.95	43.6	42.436	93.1
5	5	PFOA	413 > 368.7	3.53e4	8.83e3	1.0000		4.23	4.23	40.0	52.568	105.1
6	6	PFNA	463 > 418.8	3.93e4	8.83e3	1.0000		4.58	4.57	44.5	52.681	105.4
7	7	PFOS	499 >79.9	1.64e4	9.98e3	1.0000		4.63	4.63	47.0	41.639	90.1
8	8	PFDA	513 > 468.8	2.40e4	8.83e3	1.0000		4.87	4.87	27.2	47.865	95.7
9	9	N-MeFOSAA	570.1 > 419.0	1.58e4	5.08e3	1.0000		5.00	4.99	124	51.469	102.9
10	10	N-EtFOSAA	584.2 >419.0	9.35e3	5.08e3	1.0000		5.12	5.12	73.7	51.456	102.9
11	11	PFUnA	563 > 518.9	2.05e4	8.83e3	1.0000		5.14	5.12	23.3	45.377	90.8
12	12	PFDoA	612.9 > 318.8	4.35e3	8.83e3	1.0000		5.37	5.34	4.92	45.988	92.0
13	13	PFTrDA	662.9 > 618.9	4.01e4	8.83e3	1.0000		5.57	5.53	45.4	49.945	99.9
14	14	PFTeDA	712.9 > 668.8	4.33e4	8.83e3	1.0000		0.06	5.70	49.0	56.475	112.9
15	15	13C2-PFHxA	315 > 269.8	3.96e3	8.83e3	1.0000	0.422	3.32	3.33	4.49	10.641	106.4
16	16	13C2-PFDA	515.1 > 469.9	3.99e3	8.83e3	1.0000	0.491	4.87	4.87	4.52	9.209	92.1
17	17	d5-N-EtFOSAA	589.3 > 419.0	6.44e3	5.08e3	1.0000	1.110	4.99	5.11	50.7	45.687	114.2
18	18	13C2-PFOA	414.9 > 369.7	8.83e3	8.83e3	1.0000	1.000	4.17	4.23	10.0	10.000	100.0
19	19	13C4-PFOS	503.0 > 79.9	9.98e3	9.98e3	1.0000	1.000	4.58	4.63	28.7	28.700	100.0
20	20	d3-N-MeFOSAA	573.3 > 419.0	5.08e3	5.08e3	1.0000	1.000	4.94	4.99	40.0	40.000	100.0

70-130

70-130

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, October 29, 2017 14:13:54 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:14:26 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Compound name: PFBS

	Name	ID	Acq.Date	Acq.Time
1	171015G2_1	IPA	15-Oct-17	18:36:44
2	171015G2_2	ST171015G2-1 PFC CS-3 537 17J1308	15-Oct-17	18:49:15
3	171015G2_3	ST171015G2-2 PFC CS-2 537 17J1310	15-Oct-17	19:01:38
4	171015G2_4	ST171015G2-3 PFC CS-1 537 17J1311	15-Oct-17	19:14:01
5	171015G2_5	ST171015G2-4 PFC CS0 537 17J1312	15-Oct-17	19:26:25
6	171015G2_6	ST171015G2-5 PFC CS1 537 17J1313	15-Oct-17	19:38:48
7	171015G2_7	ST171015G2-6 PFC CS2 537 17J1314	15-Oct-17	19:51:14
8	171015G2_8	ST171015G2-7 PFC CS3 537 17J1315	15-Oct-17	20:03:38
9	171015G2_9	ST171015G2-8 PFC CS4 537 17J1316	15-Oct-17	20:16:12
10	171015G2_10	ST171015G2-9 PFC CS5 537 17J1317	15-Oct-17	20:28:41
11	171015G2_11	IPA	15-Oct-17	20:41:03
12	171015G2_12	ICV171015G2-1 PFC ICV 537 17J1307	15-Oct-17	20:53:29
13	171015G2_13	IPA	15-Oct-17	21:05:51
14	171015G2_14	B7J0077-BS1 LFB 0.25	15-Oct-17	21:18:16
15	171015G2_15	B7J0077-BSD1 LFBD 0.25	15-Oct-17	21:30:39
16	171015G2_16	IPA	15-Oct-17	21:43:02
17	171015G2_17	B7J0077-BLK1 LRB 0.25	15-Oct-17	21:55:28
18	171015G2_18	1701432-01 EB01_20171002 0.25	15-Oct-17	22:07:55
19	171015G2_19	1701432-15 Site 3-DW-421648-20171005 0.25	15-Oct-17	22:20:20
20	171015G2_20	1701432-16 DUP01_20171005 0.25	15-Oct-17	22:32:45
21	171015G2_21	1701432-17 FRB01_20171005 0.25	15-Oct-17	22:45:10
22	171015G2_22	B7J0077-BS2 LFB 0.25	15-Oct-17	22:57:32
23	171015G2_23	B7J0077-BS3 LFB 0.25	15-Oct-17	23:09:55
24	171015G2_24	B7J0077-BS4 LFB 0.25	15-Oct-17	23:22:18
25	171015G2_25	B7J0077-BS5 LFB 0.25	15-Oct-17	23:34:42
26	171015G2_26	IPA	15-Oct-17	23:47:07
27	171015G2_27	ST171015G2-10 PFC CS3 537 17J1315	15-Oct-17	23:59:32
28	171015G2_28	IPA	16-Oct-17	00:11:57

LC Calibration Standards Review Checklist Q1

			ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	N/A
Calibration ID:	ST7015G2-10	L (M) H	N/A	☑	☑	☑	☑	☑	☑
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐

Full Mass Cal. Date: 4/15/17

Run Log Present: ☑

# of Samples per Sequence Checked: ☑

Reviewed By: MM 10/29/17
Initials/Date

Comments:
LIH_DW

Vista Analytical Laboratory

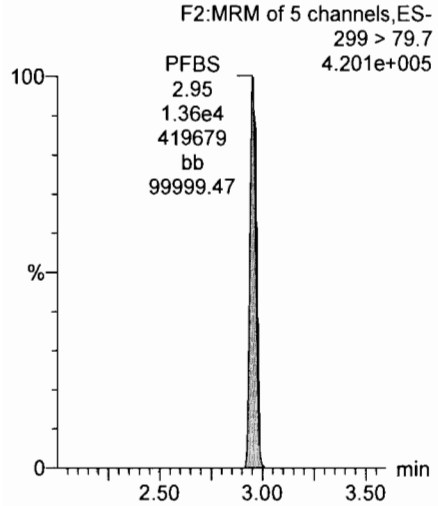
Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-27.qld

Last Altered: Sunday, October 29, 2017 14:11:32 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:11:52 Pacific Daylight Time

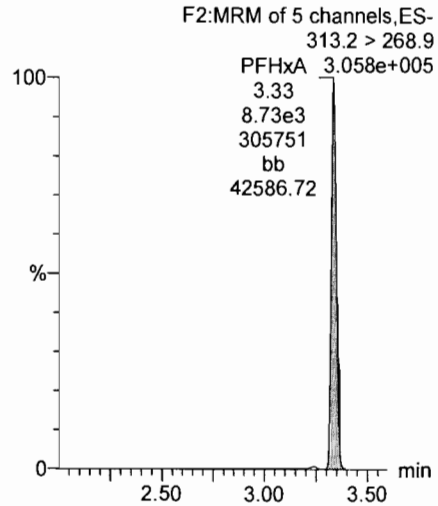
Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_27, Date: 15-Oct-2017, Time: 23:59:32, ID: ST171015G2-10 PFC CS3 537 17J1315, Description: PFC CS3 537 17J1315

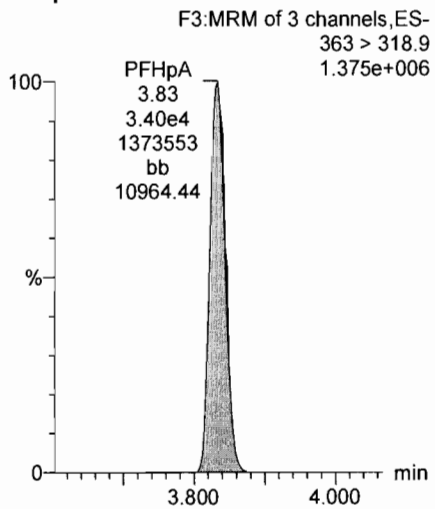
PFBS



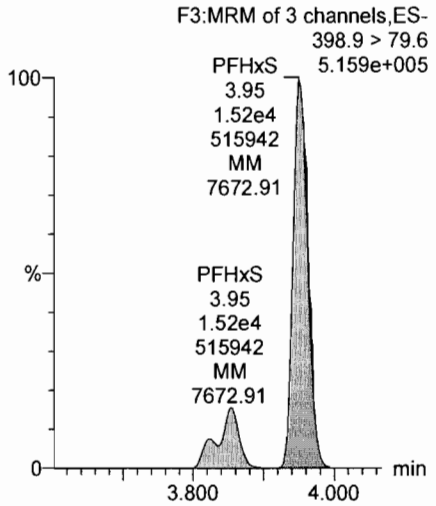
PFHxA



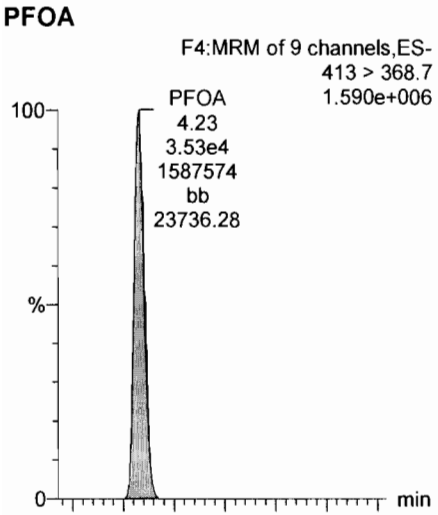
PFHpA



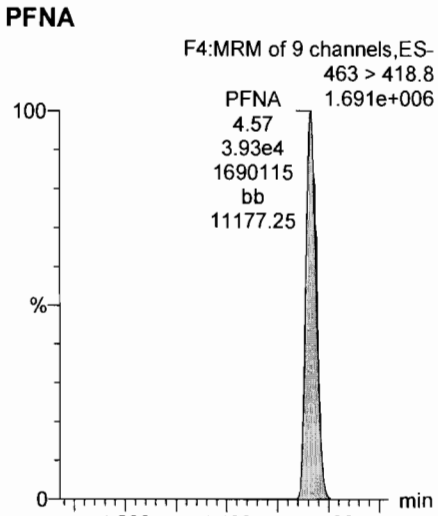
PFHxS



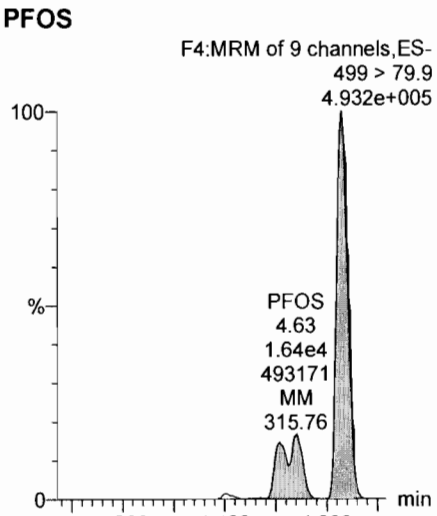
PFOA



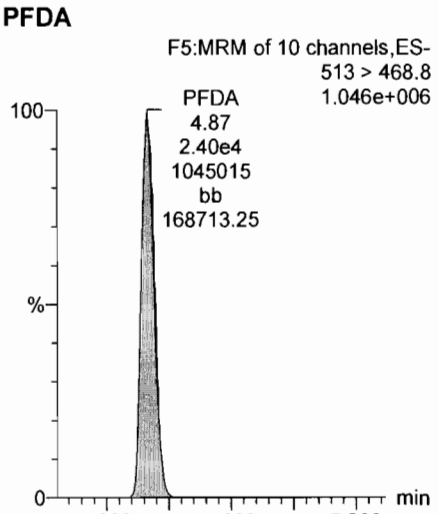
PFNA



PFOS



PFDA

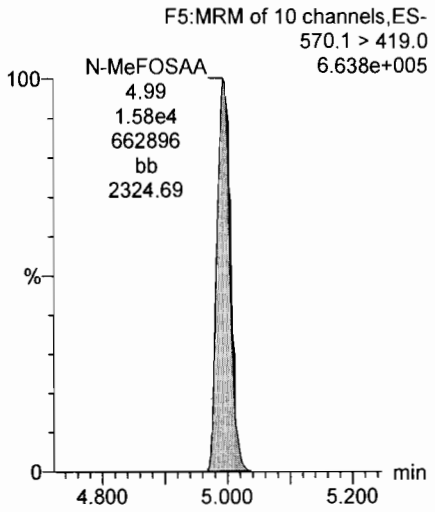


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-27.qld

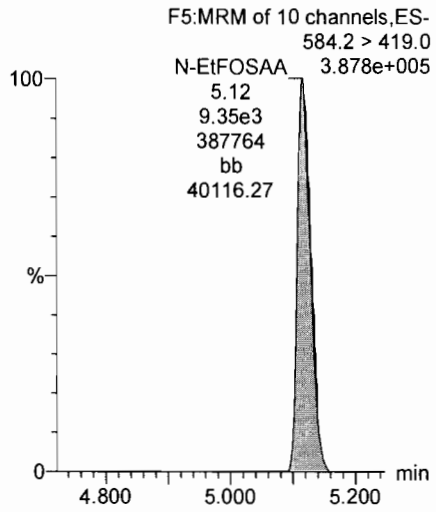
Last Altered: Sunday, October 29, 2017 14:11:32 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:11:52 Pacific Daylight Time

Name: 171015G2_27, Date: 15-Oct-2017, Time: 23:59:32, ID: ST171015G2-10 PFC CS3 537 17J1315, Description: PFC CS3 537 17J1315

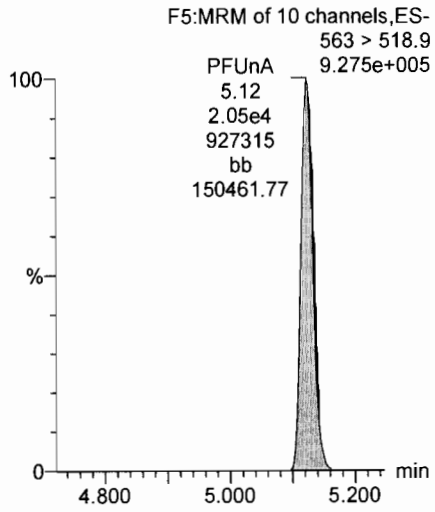
N-MeFOSAA



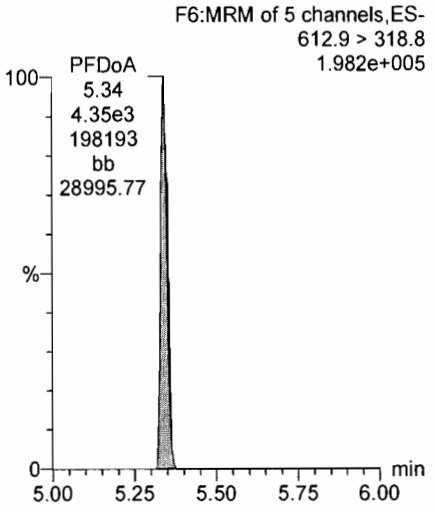
N-EtFOSAA



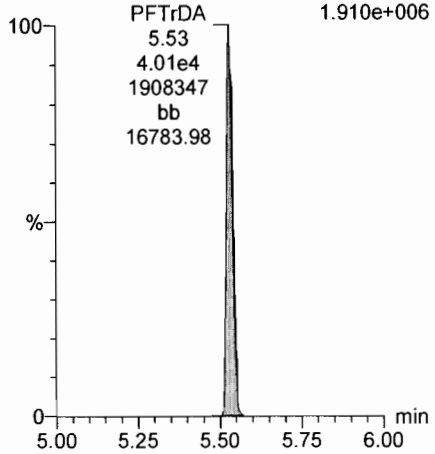
PFUnA



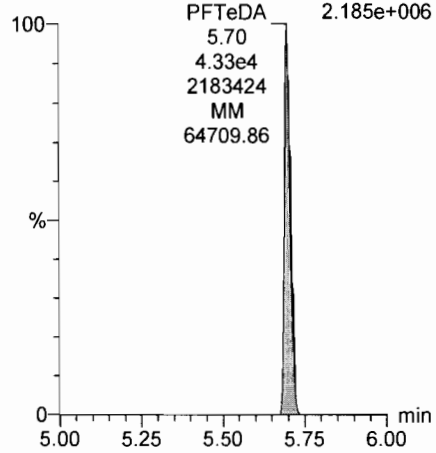
PFDoA



PFTrDA



PFTeDA

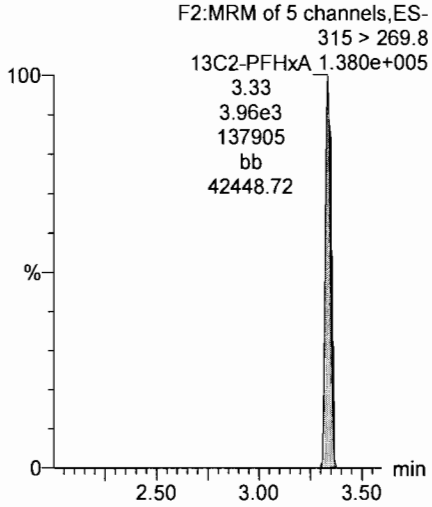


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-27.qld

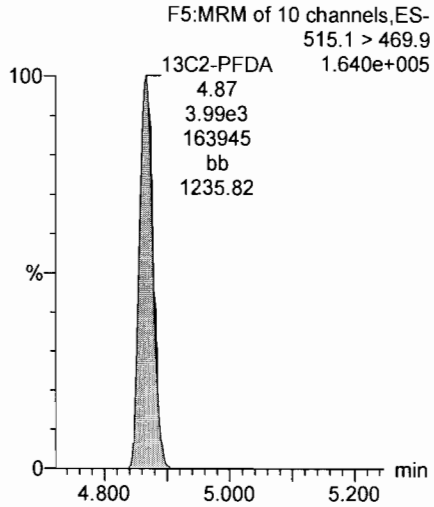
Last Altered: Sunday, October 29, 2017 14:11:32 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:11:52 Pacific Daylight Time

Name: 171015G2_27, Date: 15-Oct-2017, Time: 23:59:32, ID: ST171015G2-10 PFC CS3 537 17J1315, Description: PFC CS3 537 17J1315

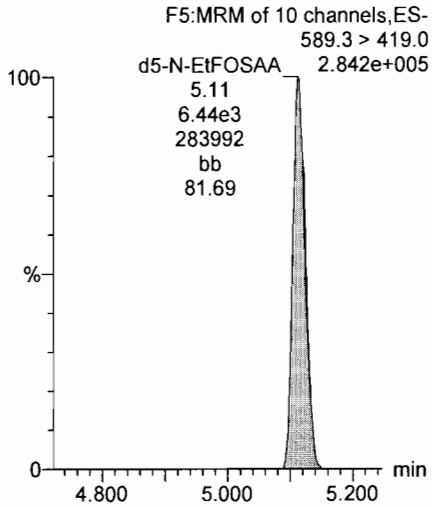
13C2-PFHxA



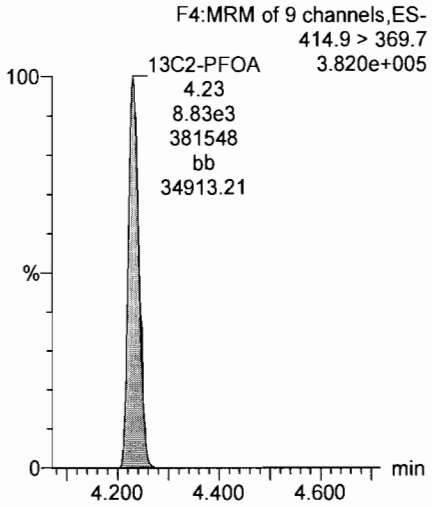
13C2-PFDA



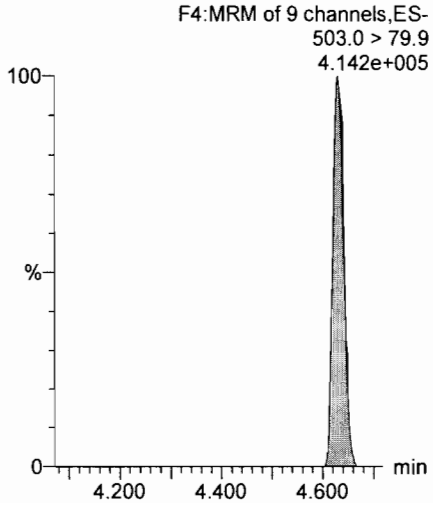
d5-N-EtFOSAA



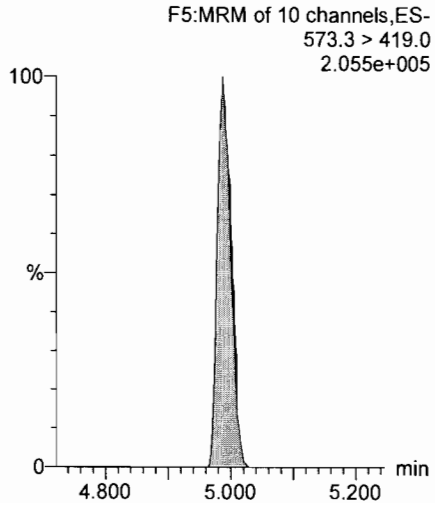
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA



Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-10-12-17.mdb 12 Oct 2017 12:38:07
Calibration: 17 Oct 2017 13:15:19

Name: 171016M4_7, Date: 16-Oct-2017, Time: 14:41:48, ID: ST171016M4-6 PFC CS3 17J1602, Description: PFC CS3 17J1602

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171016M4-6 PFC CS3 17J1602	1.43e4	100.0	NO
2	2 13C5-PFHxA	ST171016M4-6 PFC CS3 17J1602	3.28e4	100.0	NO
3	3 13C3-PFHxS	ST171016M4-6 PFC CS3 17J1602	5.87e3	100.0	NO
4	4 13C8-PFOA	ST171016M4-6 PFC CS3 17J1602	5.27e4	100.0	NO
5	5 13C9-PFNA	ST171016M4-6 PFC CS3 17J1602	6.41e4	100.0	NO
6	6 13C4-PFOS	ST171016M4-6 PFC CS3 17J1602	1.02e4	100.0	NO
7	7 13C6-PFDA	ST171016M4-6 PFC CS3 17J1602	6.29e4	100.0	NO
8	8 13C7-PFUnA	ST171016M4-6 PFC CS3 17J1602	6.82e4	100.0	NO

Name: 171016M4_8, Date: 16-Oct-2017, Time: 14:52:26, ID: ST171016M4-7 PFC CS4 17J1611, Description: PFC CS4 17J1611

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171016M4-7 PFC CS4 17J1611	1.28e4	89.7	NO
2	2 13C5-PFHxA	ST171016M4-7 PFC CS4 17J1611	2.94e4	89.6	NO
3	3 13C3-PFHxS	ST171016M4-7 PFC CS4 17J1611	5.11e3	87.1	NO
4	4 13C8-PFOA	ST171016M4-7 PFC CS4 17J1611	4.79e4	90.9	NO
5	5 13C9-PFNA	ST171016M4-7 PFC CS4 17J1611	5.39e4	84.0	NO
6	6 13C4-PFOS	ST171016M4-7 PFC CS4 17J1611	8.84e3	86.5	NO
7	7 13C6-PFDA	ST171016M4-7 PFC CS4 17J1611	5.52e4	87.8	NO
8	8 13C7-PFUnA	ST171016M4-7 PFC CS4 17J1611	6.11e4	89.6	NO

Name: 171016M4_9, Date: 16-Oct-2017, Time: 15:03:05, ID: ST171016M4-8 PFC CS5 17J1612, Description: PFC CS5 17J1612

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171016M4-8 PFC CS5 17J1612	1.25e4	87.5	NO
2	2 13C5-PFHxA	ST171016M4-8 PFC CS5 17J1612	2.83e4	86.2	NO
3	3 13C3-PFHxS	ST171016M4-8 PFC CS5 17J1612	5.27e3	89.8	NO
4	4 13C8-PFOA	ST171016M4-8 PFC CS5 17J1612	4.73e4	89.8	NO
5	5 13C9-PFNA	ST171016M4-8 PFC CS5 17J1612	5.42e4	84.5	NO
6	6 13C4-PFOS	ST171016M4-8 PFC CS5 17J1612	8.81e3	86.2	NO
7	7 13C6-PFDA	ST171016M4-8 PFC CS5 17J1612	5.14e4	81.7	NO
8	8 13C7-PFUnA	ST171016M4-8 PFC CS5 17J1612	5.88e4	86.2	NO

Name: 171016M4_10, Date: 16-Oct-2017, Time: 15:13:43, ID: ST171016M4-9 PFC CS6 17J1613, Description: PFC CS6 17J1613

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171016M4-9 PFC CS6 17J1613	1.14e4	80.3	NO
2	2 13C5-PFHxA	ST171016M4-9 PFC CS6 17J1613	2.59e4	78.9	NO
3	3 13C3-PFHxS	ST171016M4-9 PFC CS6 17J1613	4.39e3	74.9	NO
4	4 13C8-PFOA	ST171016M4-9 PFC CS6 17J1613	3.06e4	58.0	NO
5	5 13C9-PFNA	ST171016M4-9 PFC CS6 17J1613	4.88e4	76.1	NO
6	6 13C4-PFOS	ST171016M4-9 PFC CS6 17J1613	8.28e3	81.0	NO
7	7 13C6-PFDA	ST171016M4-9 PFC CS6 17J1613	4.64e4	73.8	NO
8	8 13C7-PFUnA	ST171016M4-9 PFC CS6 17J1613	5.85e4	85.8	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_11, Date: 16-Oct-2017, Time: 15:24:22, ID: ST171016M4-10 PFC CS7 17J1614, Description: PFC CS7 17J1614

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171016M4-10 PFC CS7 17J1614	1.01e4	71.2	NO
2	2 13C5-PFHxA	ST171016M4-10 PFC CS7 17J1614	2.34e4	71.3	NO
3	3 13C3-PFHxS	ST171016M4-10 PFC CS7 17J1614	3.75e3	63.9	NO
4	4 13C8-PFOA	ST171016M4-10 PFC CS7 17J1614	2.49e4	47.2	YES
5	5 13C9-PFNA	ST171016M4-10 PFC CS7 17J1614	2.92e4	45.5	YES
6	6 13C4-PFOS	ST171016M4-10 PFC CS7 17J1614	4.98e3	48.7	YES
7	7 13C6-PFDA	ST171016M4-10 PFC CS7 17J1614	3.89e4	61.8	NO
8	8 13C7-PFUnA	ST171016M4-10 PFC CS7 17J1614	4.99e4	73.1	NO

Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171016M4_13, Date: 16-Oct-2017, Time: 15:45:39, ID: ICV171016M4-1 PFC ICV 17J1615, Description: PFC ICV 17J1615

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ICV171016M4-1 PFC ICV 17J1615	1.11e4	77.6	NO
2	2 13C5-PFHxA	ICV171016M4-1 PFC ICV 17J1615	2.74e4	83.6	NO
3	3 13C3-PFHxS	ICV171016M4-1 PFC ICV 17J1615	4.81e3	81.9	NO
4	4 13C8-PFOA	ICV171016M4-1 PFC ICV 17J1615	4.35e4	82.5	NO
5	5 13C9-PFNA	ICV171016M4-1 PFC ICV 17J1615	4.86e4	75.7	NO
6	6 13C4-PFOS	ICV171016M4-1 PFC ICV 17J1615	8.89e3	87.0	NO
7	7 13C6-PFDA	ICV171016M4-1 PFC ICV 17J1615	4.79e4	76.1	NO
8	8 13C7-PFUnA	ICV171016M4-1 PFC ICV 17J1615	5.24e4	76.8	NO

Name: 171016M4_14, Date: 16-Oct-2017, Time: 15:56:28, ID: B7J0071-BS1 OPR 0.125, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0071-BS1 OPR 0.125	3.32e4	233.0	YES
2	2 13C5-PFHxA	B7J0071-BS1 OPR 0.125	4.80e4	146.5	NO
3	3 13C3-PFHxS	B7J0071-BS1 OPR 0.125	7.73e3	131.6	NO
4	4 13C8-PFOA	B7J0071-BS1 OPR 0.125	4.65e4	88.2	NO
5	5 13C9-PFNA	B7J0071-BS1 OPR 0.125	5.04e4	78.5	NO
6	6 13C4-PFOS	B7J0071-BS1 OPR 0.125	8.70e3	85.2	NO
7	7 13C6-PFDA	B7J0071-BS1 OPR 0.125	5.32e4	84.6	NO
8	8 13C7-PFUnA	B7J0071-BS1 OPR 0.125	5.71e4	83.8	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_15, Date: 16-Oct-2017, Time: 16:07:12, ID: B7J0071-BSD1 LCS Dup 0.125, Description: LCS Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0071-BSD1 LCS Dup 0.125	3.38e4	237.3	YES
2	2	13C5-PFHxA	B7J0071-BSD1 LCS Dup 0.125	5.18e4	158.2	YES
3	3	13C3-PFHxS	B7J0071-BSD1 LCS Dup 0.125	8.21e3	140.0	NO
4	4	13C8-PFOA	B7J0071-BSD1 LCS Dup 0.125	4.66e4	88.4	NO
5	5	13C9-PFNA	B7J0071-BSD1 LCS Dup 0.125	5.55e4	86.6	NO
6	6	13C4-PFOS	B7J0071-BSD1 LCS Dup 0.125	8.33e3	81.5	NO
7	7	13C6-PFDA	B7J0071-BSD1 LCS Dup 0.125	5.05e4	80.4	NO
8	8	13C7-PFUnA	B7J0071-BSD1 LCS Dup 0.125	5.94e4	87.1	NO

Name: 171016M4_16, Date: 16-Oct-2017, Time: 16:17:59, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_17, Date: 16-Oct-2017, Time: 16:28:45, ID: B7J0071-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0071-BLK1 Method Blank 0.125	3.26e4	228.6	YES
2	2	13C5-PFHxA	B7J0071-BLK1 Method Blank 0.125	5.14e4	156.7	YES
3	3	13C3-PFHxS	B7J0071-BLK1 Method Blank 0.125	8.33e3	141.9	NO
4	4	13C8-PFOA	B7J0071-BLK1 Method Blank 0.125	4.89e4	92.7	NO
5	5	13C9-PFNA	B7J0071-BLK1 Method Blank 0.125	5.43e4	84.6	NO
6	6	13C4-PFOS	B7J0071-BLK1 Method Blank 0.125	9.06e3	88.7	NO
7	7	13C6-PFDA	B7J0071-BLK1 Method Blank 0.125	5.04e4	80.2	NO
8	8	13C7-PFUnA	B7J0071-BLK1 Method Blank 0.125	5.82e4	85.3	NO

Name: 171016M4_18, Date: 16-Oct-2017, Time: 16:39:24, ID: B7J0071-MS1 Matrix Spike 0.125, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0071-MS1 Matrix Spike 0.125	3.36e4	235.8	YES
2	2	13C5-PFHxA	B7J0071-MS1 Matrix Spike 0.125	5.32e4	162.3	YES
3	3	13C3-PFHxS	B7J0071-MS1 Matrix Spike 0.125	8.06e3	137.3	NO
4	4	13C8-PFOA	B7J0071-MS1 Matrix Spike 0.125	5.06e4	95.9	NO
5	5	13C9-PFNA	B7J0071-MS1 Matrix Spike 0.125	6.03e4	94.0	NO
6	6	13C4-PFOS	B7J0071-MS1 Matrix Spike 0.125	1.12e4	110.0	NO
7	7	13C6-PFDA	B7J0071-MS1 Matrix Spike 0.125	6.15e4	97.9	NO
8	8	13C7-PFUnA	B7J0071-MS1 Matrix Spike 0.125	6.99e4	102.6	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_19, Date: 16-Oct-2017, Time: 16:50:10, ID: B7J0071-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0071-MSD1 Matrix Spike Dup 0.125	2.97e4	208.5	YES
2	2	13C5-PFHxA	B7J0071-MSD1 Matrix Spike Dup 0.125	4.59e4	140.0	NO
3	3	13C3-PFHxS	B7J0071-MSD1 Matrix Spike Dup 0.125	7.60e3	129.5	NO
4	4	13C8-PFOA	B7J0071-MSD1 Matrix Spike Dup 0.125	4.54e4	86.0	NO
5	5	13C9-PFNA	B7J0071-MSD1 Matrix Spike Dup 0.125	5.11e4	79.8	NO
6	6	13C4-PFOS	B7J0071-MSD1 Matrix Spike Dup 0.125	8.64e3	84.6	NO
7	7	13C6-PFDA	B7J0071-MSD1 Matrix Spike Dup 0.125	5.03e4	80.0	NO
8	8	13C7-PFUnA	B7J0071-MSD1 Matrix Spike Dup 0.125	5.72e4	83.9	NO

Name: 171016M4_20, Date: 16-Oct-2017, Time: 17:00:57, ID: 1701346-01RE1 GALPAB201 0.11861, Description: GALPAB201

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701346-01RE1 GALPAB201 0.11861	3.72e4	261.3	YES
2	2	13C5-PFHxA	1701346-01RE1 GALPAB201 0.11861	5.68e4	173.4	YES
3	3	13C3-PFHxS	1701346-01RE1 GALPAB201 0.11861	9.17e3	156.3	YES
4	4	13C8-PFOA	1701346-01RE1 GALPAB201 0.11861	4.89e4	92.7	NO
5	5	13C9-PFNA	1701346-01RE1 GALPAB201 0.11861	6.15e4	95.9	NO
6	6	13C4-PFOS	1701346-01RE1 GALPAB201 0.11861	9.71e3	95.0	NO
7	7	13C6-PFDA	1701346-01RE1 GALPAB201 0.11861	5.20e4	82.7	NO
8	8	13C7-PFUnA	1701346-01RE1 GALPAB201 0.11861	5.81e4	85.2	NO

Name: 171016M4_21, Date: 16-Oct-2017, Time: 17:11:43, ID: 1701346-02RE1 GALP08203 0.11988, Description: GALP08203

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701346-02RE1 GALP08203 0.11988	4.00e4	280.8	YES
2	2	13C5-PFHxA	1701346-02RE1 GALP08203 0.11988	5.89e4	179.7	YES
3	3	13C3-PFHxS	1701346-02RE1 GALP08203 0.11988	8.42e3	143.4	NO
4	4	13C8-PFOA	1701346-02RE1 GALP08203 0.11988	5.78e4	109.5	NO
5	5	13C9-PFNA	1701346-02RE1 GALP08203 0.11988	6.35e4	99.1	NO
6	6	13C4-PFOS	1701346-02RE1 GALP08203 0.11988	1.12e4	109.2	NO
7	7	13C6-PFDA	1701346-02RE1 GALP08203 0.11988	6.07e4	96.6	NO
8	8	13C7-PFUnA	1701346-02RE1 GALP08203 0.11988	6.90e4	101.2	NO

Name: 171016M4_22, Date: 16-Oct-2017, Time: 17:22:30, ID: 1701430-02RE1 Foam-6603 Loud 0.00104, Description: Foam-6603 Loud

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701430-02RE1 Foam-6603 Loud 0.001...	3.54e4	248.7	YES
2	2	13C5-PFHxA	1701430-02RE1 Foam-6603 Loud 0.001...	4.92e4	150.2	YES
3	3	13C3-PFHxS	1701430-02RE1 Foam-6603 Loud 0.001...	7.76e3	132.2	NO
4	4	13C8-PFOA	1701430-02RE1 Foam-6603 Loud 0.001...	4.62e4	87.6	NO
5	5	13C9-PFNA	1701430-02RE1 Foam-6603 Loud 0.001...	4.99e4	77.7	NO
6	6	13C4-PFOS	1701430-02RE1 Foam-6603 Loud 0.001...	8.94e3	87.4	NO
7	7	13C6-PFDA	1701430-02RE1 Foam-6603 Loud 0.001...	4.98e4	79.2	NO
8	8	13C7-PFUnA	1701430-02RE1 Foam-6603 Loud 0.001...	5.91e4	86.6	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_23, Date: 16-Oct-2017, Time: 17:33:08, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_24, Date: 16-Oct-2017, Time: 17:43:47, ID: 1701432-02 EB02_20171002 0.125, Description: EB02_20171002

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-02 EB02_20171002 0.125	3.16e4	221.9	YES
2	2	13C5-PFHxA	1701432-02 EB02_20171002 0.125	4.70e4	143.3	NO
3	3	13C3-PFHxS	1701432-02 EB02_20171002 0.125	7.22e3	123.1	NO
4	4	13C8-PFOA	1701432-02 EB02_20171002 0.125	4.45e4	84.4	NO
5	5	13C9-PFNA	1701432-02 EB02_20171002 0.125	5.15e4	80.3	NO
6	6	13C4-PFOS	1701432-02 EB02_20171002 0.125	8.89e3	86.9	NO
7	7	13C6-PFDA	1701432-02 EB02_20171002 0.125	4.96e4	78.9	NO
8	8	13C7-PFUnA	1701432-02 EB02_20171002 0.125	5.33e4	78.2	NO

Name: 171016M4_25, Date: 16-Oct-2017, Time: 17:54:24, ID: 1701432-03 EB03_20171003 0.125, Description: EB03_20171003

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-03 EB03_20171003 0.125	3.12e4	218.6	YES
2	2	13C5-PFHxA	1701432-03 EB03_20171003 0.125	4.51e4	137.7	NO
3	3	13C3-PFHxS	1701432-03 EB03_20171003 0.125	6.83e3	116.3	NO
4	4	13C8-PFOA	1701432-03 EB03_20171003 0.125	3.99e4	75.7	NO
5	5	13C9-PFNA	1701432-03 EB03_20171003 0.125	4.43e4	69.1	NO
6	6	13C4-PFOS	1701432-03 EB03_20171003 0.125	7.84e3	76.7	NO
7	7	13C6-PFDA	1701432-03 EB03_20171003 0.125	4.27e4	67.9	NO
8	8	13C7-PFUnA	1701432-03 EB03_20171003 0.125	4.96e4	72.8	NO

Name: 171016M4_26, Date: 16-Oct-2017, Time: 18:05:03, ID: 1701432-04 EB04_20171003 0.125, Description: EB04_20171003

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-04 EB04_20171003 0.125	3.33e4	233.3	YES
2	2	13C5-PFHxA	1701432-04 EB04_20171003 0.125	4.83e4	147.5	NO
3	3	13C3-PFHxS	1701432-04 EB04_20171003 0.125	7.97e3	135.9	NO
4	4	13C8-PFOA	1701432-04 EB04_20171003 0.125	4.37e4	82.9	NO
5	5	13C9-PFNA	1701432-04 EB04_20171003 0.125	4.66e4	72.6	NO
6	6	13C4-PFOS	1701432-04 EB04_20171003 0.125	8.82e3	86.3	NO
7	7	13C6-PFDA	1701432-04 EB04_20171003 0.125	4.70e4	74.7	NO
8	8	13C7-PFUnA	1701432-04 EB04_20171003 0.125	5.10e4	74.8	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_27, Date: 16-Oct-2017, Time: 18:15:41, ID: 1701432-05 EB05_20171004 0.125, Description: EB05_20171004

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-05 EB05_20171004 0.125	3.36e4	235.8	YES
2	2	13C5-PFHxA	1701432-05 EB05_20171004 0.125	4.88e4	148.8	NO
3	3	13C3-PFHxS	1701432-05 EB05_20171004 0.125	7.62e3	129.8	NO
4	4	13C8-PFOA	1701432-05 EB05_20171004 0.125	4.62e4	87.6	NO
5	5	13C9-PFNA	1701432-05 EB05_20171004 0.125	5.49e4	85.6	NO
6	6	13C4-PFOS	1701432-05 EB05_20171004 0.125	8.99e3	88.0	NO
7	7	13C6-PFDA	1701432-05 EB05_20171004 0.125	4.46e4	71.0	NO
8	8	13C7-PFUnA	1701432-05 EB05_20171004 0.125	5.58e4	81.8	NO

Name: 171016M4_28, Date: 16-Oct-2017, Time: 18:26:30, ID: 1701432-06 Site 3-GW-03GW01-20171004 0.125, Description: Site 3-GW-03GW01-20171004

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-06 Site 3-GW-03GW01-20171...	2.65e4	185.9	YES
2	2	13C5-PFHxA	1701432-06 Site 3-GW-03GW01-20171...	3.97e4	121.1	NO
3	3	13C3-PFHxS	1701432-06 Site 3-GW-03GW01-20171...	6.98e3	118.9	NO
4	4	13C8-PFOA	1701432-06 Site 3-GW-03GW01-20171...	4.01e4	76.1	NO
5	5	13C9-PFNA	1701432-06 Site 3-GW-03GW01-20171...	4.42e4	68.9	NO
6	6	13C4-PFOS	1701432-06 Site 3-GW-03GW01-20171...	8.49e3	83.1	NO
7	7	13C6-PFDA	1701432-06 Site 3-GW-03GW01-20171...	4.24e4	67.5	NO
8	8	13C7-PFUnA	1701432-06 Site 3-GW-03GW01-20171...	4.76e4	69.9	NO

Name: 171016M4_29, Date: 16-Oct-2017, Time: 18:37:33, ID: 1701432-08 Site 4-GW-04GW03-20171004 0.125, Description: Site 4-GW-04GW03-20171004

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-08 Site 4-GW-04GW03-20171...	3.00e4	210.6	YES
2	2	13C5-PFHxA	1701432-08 Site 4-GW-04GW03-20171...	4.46e4	136.2	NO
3	3	13C3-PFHxS	1701432-08 Site 4-GW-04GW03-20171...	7.15e3	121.8	NO
4	4	13C8-PFOA	1701432-08 Site 4-GW-04GW03-20171...	4.31e4	81.7	NO
5	5	13C9-PFNA	1701432-08 Site 4-GW-04GW03-20171...	5.37e4	83.8	NO
6	6	13C4-PFOS	1701432-08 Site 4-GW-04GW03-20171...	1.01e4	98.6	NO
7	7	13C6-PFDA	1701432-08 Site 4-GW-04GW03-20171...	4.74e4	75.4	NO
8	8	13C7-PFUnA	1701432-08 Site 4-GW-04GW03-20171...	6.10e4	89.5	NO

Name: 171016M4_30, Date: 16-Oct-2017, Time: 18:48:19, ID: 1701432-10 Site 4-GW-04GW02-20171004 0.125, Description: Site 4-GW-04GW02-20171004

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-10 Site 4-GW-04GW02-20171...	3.10e4	217.1	YES
2	2	13C5-PFHxA	1701432-10 Site 4-GW-04GW02-20171...	4.63e4	141.4	NO
3	3	13C3-PFHxS	1701432-10 Site 4-GW-04GW02-20171...	7.74e3	131.8	NO
4	4	13C8-PFOA	1701432-10 Site 4-GW-04GW02-20171...	4.44e4	84.1	NO
5	5	13C9-PFNA	1701432-10 Site 4-GW-04GW02-20171...	5.50e4	85.7	NO
6	6	13C4-PFOS	1701432-10 Site 4-GW-04GW02-20171...	9.94e3	97.3	NO
7	7	13C6-PFDA	1701432-10 Site 4-GW-04GW02-20171...	4.98e4	79.3	NO
8	8	13C7-PFUnA	1701432-10 Site 4-GW-04GW02-20171...	5.92e4	86.8	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_31, Date: 16-Oct-2017, Time: 18:59:06, ID: 1701432-12 EB06_20171005 0.125, Description: EB06_20171005

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-12 EB06_20171005 0.125	3.15e4	220.9	YES
2	2	13C5-PFHxA	1701432-12 EB06_20171005 0.125	4.93e4	150.4	YES
3	3	13C3-PFHxS	1701432-12 EB06_20171005 0.125	7.85e3	133.7	NO
4	4	13C8-PFOA	1701432-12 EB06_20171005 0.125	4.70e4	89.1	NO
5	5	13C9-PFNA	1701432-12 EB06_20171005 0.125	5.26e4	82.1	NO
6	6	13C4-PFOS	1701432-12 EB06_20171005 0.125	9.42e3	92.1	NO
7	7	13C6-PFDA	1701432-12 EB06_20171005 0.125	5.00e4	79.5	NO
8	8	13C7-PFUnA	1701432-12 EB06_20171005 0.125	5.69e4	83.5	NO

Name: 171016M4_32, Date: 16-Oct-2017, Time: 19:09:45, ID: 1701432-13 Site 3-GW-MW1-20171005 0.125, Description: Site 3-GW-MW1-20171005

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-13 Site 3-GW-MW1-20171005...	3.03e4	212.5	YES
2	2	13C5-PFHxA	1701432-13 Site 3-GW-MW1-20171005...	4.49e4	137.0	NO
3	3	13C3-PFHxS	1701432-13 Site 3-GW-MW1-20171005...	7.58e3	129.1	NO
4	4	13C8-PFOA	1701432-13 Site 3-GW-MW1-20171005...	4.24e4	80.4	NO
5	5	13C9-PFNA	1701432-13 Site 3-GW-MW1-20171005...	4.71e4	73.5	NO
6	6	13C4-PFOS	1701432-13 Site 3-GW-MW1-20171005...	8.64e3	84.5	NO
7	7	13C6-PFDA	1701432-13 Site 3-GW-MW1-20171005...	4.77e4	75.9	NO
8	8	13C7-PFUnA	1701432-13 Site 3-GW-MW1-20171005...	4.85e4	71.2	NO

Name: 171016M4_33, Date: 16-Oct-2017, Time: 19:20:31, ID: 1701432-18 Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-18 Site 3-GW-03GW03-20171...	3.12e4	219.1	YES
2	2	13C5-PFHxA	1701432-18 Site 3-GW-03GW03-20171...	4.29e4	131.0	NO
3	3	13C3-PFHxS	1701432-18 Site 3-GW-03GW03-20171...	6.64e3	113.2	NO
4	4	13C8-PFOA	1701432-18 Site 3-GW-03GW03-20171...	3.03e4	57.5	NO
5	5	13C9-PFNA	1701432-18 Site 3-GW-03GW03-20171...	4.91e4	76.5	NO
6	6	13C4-PFOS	1701432-18 Site 3-GW-03GW03-20171...	9.70e3	94.9	NO
7	7	13C6-PFDA	1701432-18 Site 3-GW-03GW03-20171...	4.93e4	78.4	NO
8	8	13C7-PFUnA	1701432-18 Site 3-GW-03GW03-20171...	5.05e4	74.1	NO

Name: 171016M4_34, Date: 16-Oct-2017, Time: 19:31:17, ID: 1701299-01RE1@20XAir Force Beach Foam, Description: Air Force Beach Foam

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701299-01RE1@20XAir Force Beach ...	1.17e3	8.2	YES
2	2	13C5-PFHxA	1701299-01RE1@20XAir Force Beach ...	3.43e3	10.5	YES
3	3	13C3-PFHxS	1701299-01RE1@20XAir Force Beach ...	4.81e2	8.2	YES
4	4	13C8-PFOA	1701299-01RE1@20XAir Force Beach ...	3.00e3	5.7	YES
5	5	13C9-PFNA	1701299-01RE1@20XAir Force Beach ...	3.78e3	5.9	YES
6	6	13C4-PFOS	1701299-01RE1@20XAir Force Beach ...	5.80e2	5.7	YES
7	7	13C6-PFDA	1701299-01RE1@20XAir Force Beach ...	2.87e3	4.6	YES
8	8	13C7-PFUnA	1701299-01RE1@20XAir Force Beach ...	3.90e3	5.7	YES

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_35, Date: 16-Oct-2017, Time: 19:42:04, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_36, Date: 16-Oct-2017, Time: 19:52:42, ID: ST171016M4-11 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171016M4-11 PFC CS3 17J1602	1.31e4	91.6	NO
2	2	13C5-PFHxA	ST171016M4-11 PFC CS3 17J1602	3.12e4	95.2	NO
3	3	13C3-PFHxS	ST171016M4-11 PFC CS3 17J1602	6.11e3	104.1	NO
4	4	13C8-PFOA	ST171016M4-11 PFC CS3 17J1602	4.67e4	88.6	NO
5	5	13C9-PFNA	ST171016M4-11 PFC CS3 17J1602	6.40e4	99.8	NO
6	6	13C4-PFOS	ST171016M4-11 PFC CS3 17J1602	1.11e4	108.7	NO
7	7	13C6-PFDA	ST171016M4-11 PFC CS3 17J1602	6.15e4	97.8	NO
8	8	13C7-PFUnA	ST171016M4-11 PFC CS3 17J1602	6.21e4	91.1	NO

Name: 171016M4_37, Date: 16-Oct-2017, Time: 20:03:21, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA	5.26e0	0.0	NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_38, Date: 16-Oct-2017, Time: 20:14:07, ID: B7J0067-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0067-BS1 OPR 0.25	2.90e4	203.8	YES
2	2	13C5-PFHxA	B7J0067-BS1 OPR 0.25	4.41e4	134.7	NO
3	3	13C3-PFHxS	B7J0067-BS1 OPR 0.25	7.62e3	129.9	NO
4	4	13C8-PFOA	B7J0067-BS1 OPR 0.25	4.16e4	78.9	NO
5	5	13C9-PFNA	B7J0067-BS1 OPR 0.25	4.66e4	72.7	NO
6	6	13C4-PFOS	B7J0067-BS1 OPR 0.25	8.28e3	81.1	NO
7	7	13C6-PFDA	B7J0067-BS1 OPR 0.25	4.45e4	70.7	NO
8	8	13C7-PFUnA	B7J0067-BS1 OPR 0.25	4.62e4	67.8	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_39, Date: 16-Oct-2017, Time: 20:24:53, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA	5.79e0	0.0	NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_40, Date: 16-Oct-2017, Time: 20:35:32, ID: B7J0067-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0067-BLK1 Method Blank 0.25	2.70e4	189.7	YES
2	2	13C5-PFHxA	B7J0067-BLK1 Method Blank 0.25	4.21e4	128.4	NO
3	3	13C3-PFHxS	B7J0067-BLK1 Method Blank 0.25	7.41e3	126.3	NO
4	4	13C8-PFOA	B7J0067-BLK1 Method Blank 0.25	3.90e4	74.0	NO
5	5	13C9-PFNA	B7J0067-BLK1 Method Blank 0.25	4.18e4	65.1	NO
6	6	13C4-PFOS	B7J0067-BLK1 Method Blank 0.25	7.28e3	71.2	NO
7	7	13C6-PFDA	B7J0067-BLK1 Method Blank 0.25	4.21e4	67.0	NO
8	8	13C7-PFUnA	B7J0067-BLK1 Method Blank 0.25	4.17e4	61.2	NO

Name: 171016M4_41, Date: 16-Oct-2017, Time: 20:46:10, ID: 1701404-01 RI17-DW1-100217 0.24438, Description: RI17-DW1-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-01 RI17-DW1-100217 0.24438	2.52e4	176.5	YES
2	2	13C5-PFHxA	1701404-01 RI17-DW1-100217 0.24438	4.05e4	123.5	NO
3	3	13C3-PFHxS	1701404-01 RI17-DW1-100217 0.24438	6.93e3	118.1	NO
4	4	13C8-PFOA	1701404-01 RI17-DW1-100217 0.24438	3.84e4	72.8	NO
5	5	13C9-PFNA	1701404-01 RI17-DW1-100217 0.24438	4.36e4	68.1	NO
6	6	13C4-PFOS	1701404-01 RI17-DW1-100217 0.24438	7.37e3	72.1	NO
7	7	13C6-PFDA	1701404-01 RI17-DW1-100217 0.24438	4.08e4	64.9	NO
8	8	13C7-PFUnA	1701404-01 RI17-DW1-100217 0.24438	4.11e4	60.4	NO

Name: 171016M4_42, Date: 16-Oct-2017, Time: 20:56:57, ID: 1701404-02 RI17-EB#2345-100217 0.25361, Description: RI17-EB#2345-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-02 RI17-EB#2345-100217 0.2...	2.66e4	186.4	YES
2	2	13C5-PFHxA	1701404-02 RI17-EB#2345-100217 0.2...	4.10e4	125.0	NO
3	3	13C3-PFHxS	1701404-02 RI17-EB#2345-100217 0.2...	6.59e3	112.3	NO
4	4	13C8-PFOA	1701404-02 RI17-EB#2345-100217 0.2...	3.72e4	70.5	NO
5	5	13C9-PFNA	1701404-02 RI17-EB#2345-100217 0.2...	4.42e4	69.0	NO
6	6	13C4-PFOS	1701404-02 RI17-EB#2345-100217 0.2...	7.48e3	73.1	NO
7	7	13C6-PFDA	1701404-02 RI17-EB#2345-100217 0.2...	3.88e4	61.7	NO
8	8	13C7-PFUnA	1701404-02 RI17-EB#2345-100217 0.2...	4.55e4	66.7	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_43, Date: 16-Oct-2017, Time: 21:07:35, ID: 1701404-03 RI17-MW23-(4-9)-100217-Dup 0.24627, Description: RI17-MW23-(4-9)-100217-Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-03 RI17-MW23-(4-9)-100217-...	2.79e4	195.8	YES
2	2	13C5-PFHxA	1701404-03 RI17-MW23-(4-9)-100217-...	4.02e4	122.7	NO
3	3	13C3-PFHxS	1701404-03 RI17-MW23-(4-9)-100217-...	6.74e3	114.8	NO
4	4	13C8-PFOA	1701404-03 RI17-MW23-(4-9)-100217-...	4.02e4	76.3	NO
5	5	13C9-PFNA	1701404-03 RI17-MW23-(4-9)-100217-...	4.11e4	64.1	NO
6	6	13C4-PFOS	1701404-03 RI17-MW23-(4-9)-100217-...	7.85e3	76.8	NO
7	7	13C6-PFDA	1701404-03 RI17-MW23-(4-9)-100217-...	4.11e4	65.4	NO
8	8	13C7-PFUnA	1701404-03 RI17-MW23-(4-9)-100217-...	4.38e4	64.3	NO

Name: 171016M4_44, Date: 16-Oct-2017, Time: 21:18:13, ID: 1701404-04 RI17-MW23-(4-9)-100217 0.23249, Description: RI17-MW23-(4-9)-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-04 RI17-MW23-(4-9)-100217 ...	2.56e4	179.8	YES
2	2	13C5-PFHxA	1701404-04 RI17-MW23-(4-9)-100217 ...	4.25e4	129.8	NO
3	3	13C3-PFHxS	1701404-04 RI17-MW23-(4-9)-100217 ...	7.25e3	123.5	NO
4	4	13C8-PFOA	1701404-04 RI17-MW23-(4-9)-100217 ...	4.13e4	78.2	NO
5	5	13C9-PFNA	1701404-04 RI17-MW23-(4-9)-100217 ...	4.51e4	70.3	NO
6	6	13C4-PFOS	1701404-04 RI17-MW23-(4-9)-100217 ...	8.29e3	81.1	NO
7	7	13C6-PFDA	1701404-04 RI17-MW23-(4-9)-100217 ...	4.11e4	65.3	NO
8	8	13C7-PFUnA	1701404-04 RI17-MW23-(4-9)-100217 ...	4.56e4	66.9	NO

Name: 171016M4_45, Date: 16-Oct-2017, Time: 21:28:52, ID: 1701404-05 RI17-EB#5006-100217 0.25299, Description: RI17-EB#5006-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-05 RI17-EB#5006-100217 0.2...	3.00e4	210.2	YES
2	2	13C5-PFHxA	1701404-05 RI17-EB#5006-100217 0.2...	4.42e4	134.8	NO
3	3	13C3-PFHxS	1701404-05 RI17-EB#5006-100217 0.2...	7.31e3	124.6	NO
4	4	13C8-PFOA	1701404-05 RI17-EB#5006-100217 0.2...	4.30e4	81.5	NO
5	5	13C9-PFNA	1701404-05 RI17-EB#5006-100217 0.2...	5.03e4	78.5	NO
6	6	13C4-PFOS	1701404-05 RI17-EB#5006-100217 0.2...	7.83e3	76.6	NO
7	7	13C6-PFDA	1701404-05 RI17-EB#5006-100217 0.2...	4.11e4	65.4	NO
8	8	13C7-PFUnA	1701404-05 RI17-EB#5006-100217 0.2...	4.68e4	68.7	NO

Name: 171016M4_46, Date: 16-Oct-2017, Time: 21:39:30, ID: 1701404-06 RI17-EB Tubing (100217) 0.25212, Description: RI17-EB Tubing (100217)

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-06 RI17-EB Tubing (100217) 0...	2.57e4	180.1	YES
2	2	13C5-PFHxA	1701404-06 RI17-EB Tubing (100217) 0...	3.99e4	121.8	NO
3	3	13C3-PFHxS	1701404-06 RI17-EB Tubing (100217) 0...	6.32e3	107.8	NO
4	4	13C8-PFOA	1701404-06 RI17-EB Tubing (100217) 0...	3.50e4	66.4	NO
5	5	13C9-PFNA	1701404-06 RI17-EB Tubing (100217) 0...	4.39e4	68.4	NO
6	6	13C4-PFOS	1701404-06 RI17-EB Tubing (100217) 0...	8.15e3	79.8	NO
7	7	13C6-PFDA	1701404-06 RI17-EB Tubing (100217) 0...	3.98e4	63.3	NO
8	8	13C7-PFUnA	1701404-06 RI17-EB Tubing (100217) 0...	4.49e4	65.9	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_47, Date: 16-Oct-2017, Time: 21:50:16, ID: 1701404-07 RI17-FRB1-100217 0.24866, Description: RI17-FRB1-100217

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701404-07 RI17-FRB1-100217 0.24866	2.94e4	206.0	YES
2	2 13C5-PFHxA	1701404-07 RI17-FRB1-100217 0.24866	4.45e4	135.7	NO
3	3 13C3-PFHxS	1701404-07 RI17-FRB1-100217 0.24866	8.17e3	139.3	NO
4	4 13C8-PFOA	1701404-07 RI17-FRB1-100217 0.24866	4.14e4	78.5	NO
5	5 13C9-PFNA	1701404-07 RI17-FRB1-100217 0.24866	4.72e4	73.6	NO
6	6 13C4-PFOS	1701404-07 RI17-FRB1-100217 0.24866	8.67e3	84.8	NO
7	7 13C6-PFDA	1701404-07 RI17-FRB1-100217 0.24866	4.34e4	69.0	NO
8	8 13C7-PFUnA	1701404-07 RI17-FRB1-100217 0.24866	5.17e4	75.8	NO

Name: 171016M4_48, Date: 16-Oct-2017, Time: 22:00:55, ID: 1701404-08 RI17-MW23-(21-22)-100217 0.24016, Description: RI17-MW23-(21-22)-100217

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701404-08 RI17-MW23-(21-22)-10021...	2.85e4	199.7	YES
2	2 13C5-PFHxA	1701404-08 RI17-MW23-(21-22)-10021...	4.29e4	131.0	NO
3	3 13C3-PFHxS	1701404-08 RI17-MW23-(21-22)-10021...	6.72e3	114.6	NO
4	4 13C8-PFOA	1701404-08 RI17-MW23-(21-22)-10021...	3.79e4	71.8	NO
5	5 13C9-PFNA	1701404-08 RI17-MW23-(21-22)-10021...	4.62e4	72.0	NO
6	6 13C4-PFOS	1701404-08 RI17-MW23-(21-22)-10021...	7.95e3	77.8	NO
7	7 13C6-PFDA	1701404-08 RI17-MW23-(21-22)-10021...	4.50e4	71.5	NO
8	8 13C7-PFUnA	1701404-08 RI17-MW23-(21-22)-10021...	4.62e4	67.8	NO

Name: 171016M4_49, Date: 16-Oct-2017, Time: 22:11:34, ID: 1701404-09 RI17-MW22-(7-12)-100217 0.24717, Description: RI17-MW22-(7-12)-100217

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701404-09 RI17-MW22-(7-12)-100217...	2.83e4	198.9	YES
2	2 13C5-PFHxA	1701404-09 RI17-MW22-(7-12)-100217...	4.07e4	124.3	NO
3	3 13C3-PFHxS	1701404-09 RI17-MW22-(7-12)-100217...	6.83e3	116.4	NO
4	4 13C8-PFOA	1701404-09 RI17-MW22-(7-12)-100217...	4.10e4	77.8	NO
5	5 13C9-PFNA	1701404-09 RI17-MW22-(7-12)-100217...	4.20e4	65.5	NO
6	6 13C4-PFOS	1701404-09 RI17-MW22-(7-12)-100217...	7.61e3	74.5	NO
7	7 13C6-PFDA	1701404-09 RI17-MW22-(7-12)-100217...	4.04e4	64.3	NO
8	8 13C7-PFUnA	1701404-09 RI17-MW22-(7-12)-100217...	4.04e4	59.3	NO

Name: 171016M4_50, Date: 16-Oct-2017, Time: 22:22:12, ID: 1701404-10 RI17-MW22 (25-26)-100217 0.24448, Description: RI17-MW22 (25-26)-100217

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701404-10 RI17-MW22 (25-26)-10021...	2.90e4	203.5	YES
2	2 13C5-PFHxA	1701404-10 RI17-MW22 (25-26)-10021...	4.21e4	128.6	NO
3	3 13C3-PFHxS	1701404-10 RI17-MW22 (25-26)-10021...	6.55e3	111.6	NO
4	4 13C8-PFOA	1701404-10 RI17-MW22 (25-26)-10021...	3.93e4	74.4	NO
5	5 13C9-PFNA	1701404-10 RI17-MW22 (25-26)-10021...	4.44e4	69.3	NO
6	6 13C4-PFOS	1701404-10 RI17-MW22 (25-26)-10021...	8.50e3	83.2	NO
7	7 13C6-PFDA	1701404-10 RI17-MW22 (25-26)-10021...	4.22e4	67.2	NO
8	8 13C7-PFUnA	1701404-10 RI17-MW22 (25-26)-10021...	4.40e4	64.6	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_51, Date: 16-Oct-2017, Time: 22:32:50, ID: 1701404-11 RI17-MW21-(3-8)-100217 0.24712, Description: RI17-MW21-(3-8)-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-11 RI17-MW21-(3-8)-100217 0...	2.89e4	202.7	YES
2	2	13C5-PFHxA	1701404-11 RI17-MW21-(3-8)-100217 0...	4.16e4	126.8	NO
3	3	13C3-PFHxS	1701404-11 RI17-MW21-(3-8)-100217 0...	6.93e3	118.1	NO
4	4	13C8-PFOA	1701404-11 RI17-MW21-(3-8)-100217 0...	4.14e4	78.4	NO
5	5	13C9-PFNA	1701404-11 RI17-MW21-(3-8)-100217 0...	4.66e4	72.6	NO
6	6	13C4-PFOS	1701404-11 RI17-MW21-(3-8)-100217 0...	8.24e3	80.6	NO
7	7	13C6-PFDA	1701404-11 RI17-MW21-(3-8)-100217 0...	4.44e4	70.6	NO
8	8	13C7-PFUnA	1701404-11 RI17-MW21-(3-8)-100217 0...	4.80e4	70.3	NO

Name: 171016M4_52, Date: 16-Oct-2017, Time: 22:43:29, ID: 1701404-12 RI17-MW21-(12.5-13.5)-100217 0.24158, Description: RI17-MW21-(12.5-13.5)-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-12 RI17-MW21-(12.5-13.5)-10...	2.70e4	189.7	YES
2	2	13C5-PFHxA	1701404-12 RI17-MW21-(12.5-13.5)-10...	3.79e4	115.7	NO
3	3	13C3-PFHxS	1701404-12 RI17-MW21-(12.5-13.5)-10...	6.75e3	115.0	NO
4	4	13C8-PFOA	1701404-12 RI17-MW21-(12.5-13.5)-10...	3.70e4	70.1	NO
5	5	13C9-PFNA	1701404-12 RI17-MW21-(12.5-13.5)-10...	4.15e4	64.7	NO
6	6	13C4-PFOS	1701404-12 RI17-MW21-(12.5-13.5)-10...	8.38e3	82.0	NO
7	7	13C6-PFDA	1701404-12 RI17-MW21-(12.5-13.5)-10...	4.01e4	63.9	NO
8	8	13C7-PFUnA	1701404-12 RI17-MW21-(12.5-13.5)-10...	4.58e4	67.1	NO

Name: 171016M4_53, Date: 16-Oct-2017, Time: 22:54:15, ID: 1701404-13 RI17-MW11-(21-22)-100217 0.2514, Description: RI17-MW11-(21-22)-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-13 RI17-MW11-(21-22)-10021...	1.95e4	137.1	NO
2	2	13C5-PFHxA	1701404-13 RI17-MW11-(21-22)-10021...	3.77e4	115.0	NO
3	3	13C3-PFHxS	1701404-13 RI17-MW11-(21-22)-10021...	5.39e3	91.9	NO
4	4	13C8-PFOA	1701404-13 RI17-MW11-(21-22)-10021...	3.16e4	59.9	NO
5	5	13C9-PFNA	1701404-13 RI17-MW11-(21-22)-10021...	3.68e4	57.3	NO
6	6	13C4-PFOS	1701404-13 RI17-MW11-(21-22)-10021...	7.95e3	77.7	NO
7	7	13C6-PFDA	1701404-13 RI17-MW11-(21-22)-10021...	3.51e4	55.8	NO
8	8	13C7-PFUnA	1701404-13 RI17-MW11-(21-22)-10021...	3.99e4	58.5	NO

Name: 171016M4_54, Date: 16-Oct-2017, Time: 23:04:54, ID: 1701404-14 RI17-MW11-(30-31)-100217 0.25068, Description: RI17-MW11-(30-31)-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-14 RI17-MW11-(30-31)-10021...	2.59e4	181.5	YES
2	2	13C5-PFHxA	1701404-14 RI17-MW11-(30-31)-10021...	4.19e4	128.0	NO
3	3	13C3-PFHxS	1701404-14 RI17-MW11-(30-31)-10021...	6.96e3	118.7	NO
4	4	13C8-PFOA	1701404-14 RI17-MW11-(30-31)-10021...	3.89e4	73.8	NO
5	5	13C9-PFNA	1701404-14 RI17-MW11-(30-31)-10021...	4.04e4	62.9	NO
6	6	13C4-PFOS	1701404-14 RI17-MW11-(30-31)-10021...	8.41e3	82.3	NO
7	7	13C6-PFDA	1701404-14 RI17-MW11-(30-31)-10021...	3.88e4	61.7	NO
8	8	13C7-PFUnA	1701404-14 RI17-MW11-(30-31)-10021...	4.74e4	69.5	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_55, Date: 16-Oct-2017, Time: 23:15:32, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA	5.73e0	0.0	NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171016M4_56, Date: 16-Oct-2017, Time: 23:26:10, ID: ST171016M4-12 PFC CS3 17J1602, Description: PFC CS3 17J1602

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171016M4-12 PFC CS3 17J1602	1.39e4	97.7	NO
2	2 13C5-PFHxA	ST171016M4-12 PFC CS3 17J1602	3.32e4	101.2	NO
3	3 13C3-PFHxS	ST171016M4-12 PFC CS3 17J1602	6.06e3	103.3	NO
4	4 13C8-PFOA	ST171016M4-12 PFC CS3 17J1602	5.22e4	98.9	NO
5	5 13C9-PFNA	ST171016M4-12 PFC CS3 17J1602	6.14e4	95.8	NO
6	6 13C4-PFOS	ST171016M4-12 PFC CS3 17J1602	1.06e4	103.7	NO
7	7 13C6-PFDA	ST171016M4-12 PFC CS3 17J1602	5.77e4	91.8	NO
8	8 13C7-PFUnA	ST171016M4-12 PFC CS3 17J1602	6.53e4	95.7	NO

Name: 171016M4_57, Date: 16-Oct-2017, Time: 23:36:49, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171016M4_58, Date: 16-Oct-2017, Time: 23:47:35, ID: 1701404-15 RI17-MW11-(42-43)-100217 0.24887, Description: RI17-MW11-(42-43)-100217

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701404-15 RI17-MW11-(42-43)-10021...	2.28e4	159.9	YES
2	2 13C5-PFHxA	1701404-15 RI17-MW11-(42-43)-10021...	3.82e4	116.6	NO
3	3 13C3-PFHxS	1701404-15 RI17-MW11-(42-43)-10021...	6.73e3	114.7	NO
4	4 13C8-PFOA	1701404-15 RI17-MW11-(42-43)-10021...	3.77e4	71.5	NO
5	5 13C9-PFNA	1701404-15 RI17-MW11-(42-43)-10021...	3.78e4	59.0	NO
6	6 13C4-PFOS	1701404-15 RI17-MW11-(42-43)-10021...	7.58e3	74.2	NO
7	7 13C6-PFDA	1701404-15 RI17-MW11-(42-43)-10021...	3.90e4	62.0	NO
8	8 13C7-PFUnA	1701404-15 RI17-MW11-(42-43)-10021...	4.39e4	64.5	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_59, Date: 16-Oct-2017, Time: 23:58:13, ID: 1701404-16 RI17-MW15-(17-18)-100217 0.25095, Description: RI17-MW15-(17-18)-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-16 RI17-MW15-(17-18)-10021...	2.39e4	168.0	YES
2	2	13C5-PFHxA	1701404-16 RI17-MW15-(17-18)-10021...	3.71e4	113.3	NO
3	3	13C3-PFHxS	1701404-16 RI17-MW15-(17-18)-10021...	6.58e3	112.1	NO
4	4	13C8-PFOA	1701404-16 RI17-MW15-(17-18)-10021...	3.44e4	65.3	NO
5	5	13C9-PFNA	1701404-16 RI17-MW15-(17-18)-10021...	3.77e4	58.7	NO
6	6	13C4-PFOS	1701404-16 RI17-MW15-(17-18)-10021...	7.47e3	73.1	NO
7	7	13C6-PFDA	1701404-16 RI17-MW15-(17-18)-10021...	3.78e4	60.1	NO
8	8	13C7-PFUnA	1701404-16 RI17-MW15-(17-18)-10021...	3.70e4	54.2	NO

Name: 171016M4_60, Date: 17-Oct-2017, Time: 00:08:52, ID: 1701404-17 RI17-MW15-(27-28)-100217 0.24385, Description: RI17-MW15-(27-28)-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-17 RI17-MW15-(27-28)-10021...	2.30e4	161.2	YES
2	2	13C5-PFHxA	1701404-17 RI17-MW15-(27-28)-10021...	3.78e4	115.3	NO
3	3	13C3-PFHxS	1701404-17 RI17-MW15-(27-28)-10021...	6.57e3	112.0	NO
4	4	13C8-PFOA	1701404-17 RI17-MW15-(27-28)-10021...	3.43e4	65.0	NO
5	5	13C9-PFNA	1701404-17 RI17-MW15-(27-28)-10021...	3.90e4	60.9	NO
6	6	13C4-PFOS	1701404-17 RI17-MW15-(27-28)-10021...	7.08e3	69.3	NO
7	7	13C6-PFDA	1701404-17 RI17-MW15-(27-28)-10021...	3.71e4	59.1	NO
8	8	13C7-PFUnA	1701404-17 RI17-MW15-(27-28)-10021...	4.10e4	60.1	NO

Name: 171016M4_61, Date: 17-Oct-2017, Time: 00:19:30, ID: 1701404-18 RI17-MW15-(37-38)-100217 0.25519, Description: RI17-MW15-(37-38)-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-18 RI17-MW15-(37-38)-10021...	2.50e4	175.4	YES
2	2	13C5-PFHxA	1701404-18 RI17-MW15-(37-38)-10021...	3.85e4	117.6	NO
3	3	13C3-PFHxS	1701404-18 RI17-MW15-(37-38)-10021...	6.48e3	110.5	NO
4	4	13C8-PFOA	1701404-18 RI17-MW15-(37-38)-10021...	3.46e4	65.6	NO
5	5	13C9-PFNA	1701404-18 RI17-MW15-(37-38)-10021...	3.80e4	59.3	NO
6	6	13C4-PFOS	1701404-18 RI17-MW15-(37-38)-10021...	6.93e3	67.8	NO
7	7	13C6-PFDA	1701404-18 RI17-MW15-(37-38)-10021...	4.08e4	65.0	NO
8	8	13C7-PFUnA	1701404-18 RI17-MW15-(37-38)-10021...	3.82e4	56.0	NO

Name: 171016M4_62, Date: 17-Oct-2017, Time: 00:30:08, ID: 1701404-19 RI17-MW15-(47-48)-100217 0.24889, Description: RI17-MW15-(47-48)-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-19 RI17-MW15-(47-48)-10021...	2.30e4	161.2	YES
2	2	13C5-PFHxA	1701404-19 RI17-MW15-(47-48)-10021...	3.78e4	115.5	NO
3	3	13C3-PFHxS	1701404-19 RI17-MW15-(47-48)-10021...	7.03e3	119.9	NO
4	4	13C8-PFOA	1701404-19 RI17-MW15-(47-48)-10021...	3.54e4	67.2	NO
5	5	13C9-PFNA	1701404-19 RI17-MW15-(47-48)-10021...	3.37e4	52.6	NO
6	6	13C4-PFOS	1701404-19 RI17-MW15-(47-48)-10021...	7.71e3	75.4	NO
7	7	13C6-PFDA	1701404-19 RI17-MW15-(47-48)-10021...	3.98e4	63.4	NO
8	8	13C7-PFUnA	1701404-19 RI17-MW15-(47-48)-10021...	4.36e4	64.0	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_63, Date: 17-Oct-2017, Time: 00:40:52, ID: 1701404-20 RI17-MW11-(52-53)-100217 0.23315, Description: RI17-MW11-(52-53)-100217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701404-20 RI17-MW11-(52-53)-10021...	2.67e4	187.2	YES
2	2	13C5-PFHxA	1701404-20 RI17-MW11-(52-53)-10021...	3.88e4	118.3	NO
3	3	13C3-PFHxS	1701404-20 RI17-MW11-(52-53)-10021...	6.91e3	117.7	NO
4	4	13C8-PFOA	1701404-20 RI17-MW11-(52-53)-10021...	3.63e4	68.9	NO
5	5	13C9-PFNA	1701404-20 RI17-MW11-(52-53)-10021...	4.40e4	68.7	NO
6	6	13C4-PFOS	1701404-20 RI17-MW11-(52-53)-10021...	7.82e3	76.5	NO
7	7	13C6-PFDA	1701404-20 RI17-MW11-(52-53)-10021...	4.18e4	66.5	NO
8	8	13C7-PFUnA	1701404-20 RI17-MW11-(52-53)-10021...	4.01e4	58.8	NO

Name: 171016M4_64, Date: 17-Oct-2017, Time: 00:51:46, ID: 1701301-05 RI17-MW-8 (27.5-28.5)-092017 0.24109, Description: RI17-MW-8 (27.5-28.5)-092017

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701301-05 RI17-MW-8 (27.5-28.5)-09...	2.03e4	142.4	NO
2	2	13C5-PFHxA	1701301-05 RI17-MW-8 (27.5-28.5)-09...	3.03e4	92.3	NO
3	3	13C3-PFHxS	1701301-05 RI17-MW-8 (27.5-28.5)-09...	6.65e3	113.4	NO
4	4	13C8-PFOA	1701301-05 RI17-MW-8 (27.5-28.5)-09...	2.49e4	47.1	YES
5	5	13C9-PFNA	1701301-05 RI17-MW-8 (27.5-28.5)-09...	2.99e4	46.7	YES
6	6	13C4-PFOS	1701301-05 RI17-MW-8 (27.5-28.5)-09...	6.83e3	66.8	NO
7	7	13C6-PFDA	1701301-05 RI17-MW-8 (27.5-28.5)-09...	2.75e4	43.7	YES
8	8	13C7-PFUnA	1701301-05 RI17-MW-8 (27.5-28.5)-09...	3.00e4	44.0	YES

Name: 171016M4_65, Date: 17-Oct-2017, Time: 01:02:36, ID: B7J0083-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0083-BS1 OPR 0.25	2.12e4	149.1	NO
2	2	13C5-PFHxA	B7J0083-BS1 OPR 0.25	3.96e4	120.8	NO
3	3	13C3-PFHxS	B7J0083-BS1 OPR 0.25	6.25e3	106.5	NO
4	4	13C8-PFOA	B7J0083-BS1 OPR 0.25	3.97e4	75.3	NO
5	5	13C9-PFNA	B7J0083-BS1 OPR 0.25	3.93e4	61.3	NO
6	6	13C4-PFOS	B7J0083-BS1 OPR 0.25	7.90e3	77.3	NO
7	7	13C6-PFDA	B7J0083-BS1 OPR 0.25	4.25e4	67.6	NO
8	8	13C7-PFUnA	B7J0083-BS1 OPR 0.25	4.57e4	67.0	NO

Name: 171016M4_66, Date: 17-Oct-2017, Time: 01:13:15, ID: B7J0084-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0084-BS1 OPR 0.125	1.82e4	128.0	NO
2	2	13C5-PFHxA	B7J0084-BS1 OPR 0.125	4.32e4	131.9	NO
3	3	13C3-PFHxS	B7J0084-BS1 OPR 0.125	6.91e3	117.7	NO
4	4	13C8-PFOA	B7J0084-BS1 OPR 0.125	4.13e4	78.3	NO
5	5	13C9-PFNA	B7J0084-BS1 OPR 0.125	4.55e4	71.0	NO
6	6	13C4-PFOS	B7J0084-BS1 OPR 0.125	7.84e3	76.7	NO
7	7	13C6-PFDA	B7J0084-BS1 OPR 0.125	4.18e4	66.5	NO
8	8	13C7-PFUnA	B7J0084-BS1 OPR 0.125	4.31e4	63.2	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_67, Date: 17-Oct-2017, Time: 01:23:54, ID: B7J0087-BS1@250X OPR 0.001, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0087-BS1@250X OPR 0.001	3.26e4	228.6	YES
2	2	13C5-PFHxA	B7J0087-BS1@250X OPR 0.001	5.86e4	178.7	YES
3	3	13C3-PFHxS	B7J0087-BS1@250X OPR 0.001	8.71e3	148.5	NO
4	4	13C8-PFOA	B7J0087-BS1@250X OPR 0.001	5.17e4	98.0	NO
5	5	13C9-PFNA	B7J0087-BS1@250X OPR 0.001	5.79e4	90.3	NO
6	6	13C4-PFOS	B7J0087-BS1@250X OPR 0.001	1.03e4	100.7	NO
7	7	13C6-PFDA	B7J0087-BS1@250X OPR 0.001	5.33e4	84.9	NO
8	8	13C7-PFUnA	B7J0087-BS1@250X OPR 0.001	5.53e4	81.1	NO

Name: 171016M4_68, Date: 17-Oct-2017, Time: 01:34:32, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_69, Date: 17-Oct-2017, Time: 01:45:10, ID: ST171016M4-13 PFC CS0 17J1603, Description: PFC CS0 17J1603

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171016M4-13 PFC CS0 17J1603	1.56e4	109.5	NO
2	2	13C5-PFHxA	ST171016M4-13 PFC CS0 17J1603	3.73e4	113.7	NO
3	3	13C3-PFHxS	ST171016M4-13 PFC CS0 17J1603	7.21e3	122.9	NO
4	4	13C8-PFOA	ST171016M4-13 PFC CS0 17J1603	6.02e4	114.1	NO
5	5	13C9-PFNA	ST171016M4-13 PFC CS0 17J1603	6.48e4	101.0	NO
6	6	13C4-PFOS	ST171016M4-13 PFC CS0 17J1603	1.15e4	112.4	NO
7	7	13C6-PFDA	ST171016M4-13 PFC CS0 17J1603	6.71e4	106.8	NO
8	8	13C7-PFUnA	ST171016M4-13 PFC CS0 17J1603	6.75e4	99.0	NO

Name: 171016M4_70, Date: 17-Oct-2017, Time: 01:55:49, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_71, Date: 17-Oct-2017, Time: 02:06:35, ID: B7J0083-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0083-BLK1 Method Blank 0.25	2.01e4	140.9	NO
2	2	13C5-PFHxA	B7J0083-BLK1 Method Blank 0.25	4.11e4	125.5	NO
3	3	13C3-PFHxS	B7J0083-BLK1 Method Blank 0.25	6.45e3	110.0	NO
4	4	13C8-PFOA	B7J0083-BLK1 Method Blank 0.25	3.60e4	68.3	NO
5	5	13C9-PFNA	B7J0083-BLK1 Method Blank 0.25	4.05e4	63.2	NO
6	6	13C4-PFOS	B7J0083-BLK1 Method Blank 0.25	7.63e3	74.6	NO
7	7	13C6-PFDA	B7J0083-BLK1 Method Blank 0.25	4.03e4	64.2	NO
8	8	13C7-PFUnA	B7J0083-BLK1 Method Blank 0.25	4.18e4	61.3	NO

Name: 171016M4_72, Date: 17-Oct-2017, Time: 02:17:14, ID: B7J0084-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0084-BLK1 Method Blank 0.125	1.84e4	128.8	NO
2	2	13C5-PFHxA	B7J0084-BLK1 Method Blank 0.125	4.39e4	133.9	NO
3	3	13C3-PFHxS	B7J0084-BLK1 Method Blank 0.125	6.76e3	115.1	NO
4	4	13C8-PFOA	B7J0084-BLK1 Method Blank 0.125	4.15e4	78.7	NO
5	5	13C9-PFNA	B7J0084-BLK1 Method Blank 0.125	4.62e4	72.1	NO
6	6	13C4-PFOS	B7J0084-BLK1 Method Blank 0.125	7.87e3	77.0	NO
7	7	13C6-PFDA	B7J0084-BLK1 Method Blank 0.125	4.02e4	63.9	NO
8	8	13C7-PFUnA	B7J0084-BLK1 Method Blank 0.125	4.31e4	63.3	NO

Name: 171016M4_73, Date: 17-Oct-2017, Time: 02:27:52, ID: B7J0087-BLK1@250X Method Blank 0.001, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0087-BLK1@250X Method Blank 0....	3.29e4	230.6	YES
2	2	13C5-PFHxA	B7J0087-BLK1@250X Method Blank 0....	5.80e4	176.9	YES
3	3	13C3-PFHxS	B7J0087-BLK1@250X Method Blank 0....	9.20e3	156.9	YES
4	4	13C8-PFOA	B7J0087-BLK1@250X Method Blank 0....	5.36e4	101.6	NO
5	5	13C9-PFNA	B7J0087-BLK1@250X Method Blank 0....	5.59e4	87.2	NO
6	6	13C4-PFOS	B7J0087-BLK1@250X Method Blank 0....	1.07e4	104.8	NO
7	7	13C6-PFDA	B7J0087-BLK1@250X Method Blank 0....	5.46e4	86.8	NO
8	8	13C7-PFUnA	B7J0087-BLK1@250X Method Blank 0....	6.67e4	97.8	NO

Name: 171016M4_74, Date: 17-Oct-2017, Time: 02:38:31, ID: 1701426-01 WT1710050815JNR 0.25543, Description: WT1710050815JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-01 WT1710050815JNR 0.255...	2.10e4	147.1	NO
2	2	13C5-PFHxA	1701426-01 WT1710050815JNR 0.255...	4.09e4	124.9	NO
3	3	13C3-PFHxS	1701426-01 WT1710050815JNR 0.255...	6.45e3	109.9	NO
4	4	13C8-PFOA	1701426-01 WT1710050815JNR 0.255...	3.66e4	69.4	NO
5	5	13C9-PFNA	1701426-01 WT1710050815JNR 0.255...	4.47e4	69.6	NO
6	6	13C4-PFOS	1701426-01 WT1710050815JNR 0.255...	7.38e3	72.2	NO
7	7	13C6-PFDA	1701426-01 WT1710050815JNR 0.255...	4.04e4	64.3	NO
8	8	13C7-PFUnA	1701426-01 WT1710050815JNR 0.255...	4.43e4	65.0	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_75, Date: 17-Oct-2017, Time: 02:49:16, ID: 1701426-02 SW1710051320JNR 0.24192, Description: SW1710051320JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-02 SW1710051320JNR 0.241...	2.40e4	168.4	YES
2	2	13C5-PFHxA	1701426-02 SW1710051320JNR 0.241...	4.16e4	126.9	NO
3	3	13C3-PFHxS	1701426-02 SW1710051320JNR 0.241...	6.32e3	107.7	NO
4	4	13C8-PFOA	1701426-02 SW1710051320JNR 0.241...	3.94e4	74.8	NO
5	5	13C9-PFNA	1701426-02 SW1710051320JNR 0.241...	4.19e4	65.3	NO
6	6	13C4-PFOS	1701426-02 SW1710051320JNR 0.241...	8.07e3	78.9	NO
7	7	13C6-PFDA	1701426-02 SW1710051320JNR 0.241...	3.84e4	61.1	NO
8	8	13C7-PFUnA	1701426-02 SW1710051320JNR 0.241...	4.48e4	65.7	NO

Name: 171016M4_76, Date: 17-Oct-2017, Time: 02:59:55, ID: 1701426-03 SW1710051340JNR 0.24436, Description: SW1710051340JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-03 SW1710051340JNR 0.244...	2.30e4	161.2	YES
2	2	13C5-PFHxA	1701426-03 SW1710051340JNR 0.244...	4.33e4	132.0	NO
3	3	13C3-PFHxS	1701426-03 SW1710051340JNR 0.244...	7.05e3	120.2	NO
4	4	13C8-PFOA	1701426-03 SW1710051340JNR 0.244...	3.69e4	70.0	NO
5	5	13C9-PFNA	1701426-03 SW1710051340JNR 0.244...	4.25e4	66.2	NO
6	6	13C4-PFOS	1701426-03 SW1710051340JNR 0.244...	7.45e3	72.9	NO
7	7	13C6-PFDA	1701426-03 SW1710051340JNR 0.244...	4.15e4	66.0	NO
8	8	13C7-PFUnA	1701426-03 SW1710051340JNR 0.244...	4.07e4	59.7	NO

Name: 171016M4_77, Date: 17-Oct-2017, Time: 03:10:33, ID: 1701426-06 SW1710050900JNR 0.24007, Description: SW1710050900JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-06 SW1710050900JNR 0.240...	2.11e4	147.7	NO
2	2	13C5-PFHxA	1701426-06 SW1710050900JNR 0.240...	3.72e4	113.5	NO
3	3	13C3-PFHxS	1701426-06 SW1710050900JNR 0.240...	6.98e3	118.9	NO
4	4	13C8-PFOA	1701426-06 SW1710050900JNR 0.240...	3.65e4	69.3	NO
5	5	13C9-PFNA	1701426-06 SW1710050900JNR 0.240...	3.59e4	56.0	NO
6	6	13C4-PFOS	1701426-06 SW1710050900JNR 0.240...	7.17e3	70.1	NO
7	7	13C6-PFDA	1701426-06 SW1710050900JNR 0.240...	3.81e4	60.6	NO
8	8	13C7-PFUnA	1701426-06 SW1710050900JNR 0.240...	3.70e4	54.2	NO

Name: 171016M4_78, Date: 17-Oct-2017, Time: 03:21:12, ID: 1701426-07 SW1710050900MK 0.23896, Description: SW1710050900MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-07 SW1710050900MK 0.23896	2.20e4	154.3	YES
2	2	13C5-PFHxA	1701426-07 SW1710050900MK 0.23896	4.01e4	122.4	NO
3	3	13C3-PFHxS	1701426-07 SW1710050900MK 0.23896	7.78e3	132.6	NO
4	4	13C8-PFOA	1701426-07 SW1710050900MK 0.23896	3.78e4	71.8	NO
5	5	13C9-PFNA	1701426-07 SW1710050900MK 0.23896	4.72e4	73.7	NO
6	6	13C4-PFOS	1701426-07 SW1710050900MK 0.23896	8.15e3	79.8	NO
7	7	13C6-PFDA	1701426-07 SW1710050900MK 0.23896	3.94e4	62.6	NO
8	8	13C7-PFUnA	1701426-07 SW1710050900MK 0.23896	4.11e4	60.3	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_79, Date: 17-Oct-2017, Time: 03:31:50, ID: 1701426-08 WR1710051020JNR 0.24992, Description: WR1710051020JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-08 WR1710051020JNR 0.249...	2.17e4	152.3	YES
2	2	13C5-PFHxA	1701426-08 WR1710051020JNR 0.249...	4.34e4	132.3	NO
3	3	13C3-PFHxS	1701426-08 WR1710051020JNR 0.249...	7.27e3	123.9	NO
4	4	13C8-PFOA	1701426-08 WR1710051020JNR 0.249...	3.82e4	72.4	NO
5	5	13C9-PFNA	1701426-08 WR1710051020JNR 0.249...	3.97e4	61.9	NO
6	6	13C4-PFOS	1701426-08 WR1710051020JNR 0.249...	7.75e3	75.8	NO
7	7	13C6-PFDA	1701426-08 WR1710051020JNR 0.249...	3.96e4	63.0	NO
8	8	13C7-PFUnA	1701426-08 WR1710051020JNR 0.249...	4.17e4	61.2	NO

Name: 171016M4_80, Date: 17-Oct-2017, Time: 03:42:37, ID: 1701426-09 FB1710051025JNR 0.2515, Description: FB1710051025JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-09 FB1710051025JNR 0.2515	2.01e4	141.0	NO
2	2	13C5-PFHxA	1701426-09 FB1710051025JNR 0.2515	3.97e4	121.0	NO
3	3	13C3-PFHxS	1701426-09 FB1710051025JNR 0.2515	6.95e3	118.5	NO
4	4	13C8-PFOA	1701426-09 FB1710051025JNR 0.2515	3.69e4	70.1	NO
5	5	13C9-PFNA	1701426-09 FB1710051025JNR 0.2515	4.16e4	64.9	NO
6	6	13C4-PFOS	1701426-09 FB1710051025JNR 0.2515	7.30e3	71.4	NO
7	7	13C6-PFDA	1701426-09 FB1710051025JNR 0.2515	3.98e4	63.3	NO
8	8	13C7-PFUnA	1701426-09 FB1710051025JNR 0.2515	4.10e4	60.1	NO

Name: 171016M4_81, Date: 17-Oct-2017, Time: 03:53:15, ID: 1701426-10 WR1710051110JNR 0.25042, Description: WR1710051110JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-10 WR1710051110JNR 0.25042	2.18e4	153.1	YES
2	2	13C5-PFHxA	1701426-10 WR1710051110JNR 0.25042	4.55e4	138.9	NO
3	3	13C3-PFHxS	1701426-10 WR1710051110JNR 0.25042	7.73e3	131.8	NO
4	4	13C8-PFOA	1701426-10 WR1710051110JNR 0.25042	4.00e4	75.9	NO
5	5	13C9-PFNA	1701426-10 WR1710051110JNR 0.25042	4.41e4	68.8	NO
6	6	13C4-PFOS	1701426-10 WR1710051110JNR 0.25042	8.96e3	87.7	NO
7	7	13C6-PFDA	1701426-10 WR1710051110JNR 0.25042	4.06e4	64.6	NO
8	8	13C7-PFUnA	1701426-10 WR1710051110JNR 0.25042	4.34e4	63.7	NO

Name: 171016M4_82, Date: 17-Oct-2017, Time: 04:04:02, ID: 1701426-11 WR1710051135JNR 0.2495, Description: WR1710051135JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-11 WR1710051135JNR 0.2495	2.37e4	166.4	YES
2	2	13C5-PFHxA	1701426-11 WR1710051135JNR 0.2495	4.25e4	129.8	NO
3	3	13C3-PFHxS	1701426-11 WR1710051135JNR 0.2495	7.52e3	128.1	NO
4	4	13C8-PFOA	1701426-11 WR1710051135JNR 0.2495	4.17e4	79.1	NO
5	5	13C9-PFNA	1701426-11 WR1710051135JNR 0.2495	4.49e4	70.0	NO
6	6	13C4-PFOS	1701426-11 WR1710051135JNR 0.2495	8.55e3	83.6	NO
7	7	13C6-PFDA	1701426-11 WR1710051135JNR 0.2495	4.10e4	65.2	NO
8	8	13C7-PFUnA	1701426-11 WR1710051135JNR 0.2495	4.44e4	65.1	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_83, Date: 17-Oct-2017, Time: 04:14:48, ID: 1701426-04 FOAM1710050900MK 0.00115, Description: FOAM1710050900MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-04 FOAM1710050900MK 0.00...	1.75e4	123.1	NO
2	2	13C5-PFHxA	1701426-04 FOAM1710050900MK 0.00...	3.87e4	118.0	NO
3	3	13C3-PFHxS	1701426-04 FOAM1710050900MK 0.00...	5.97e3	101.8	NO
4	4	13C8-PFOA	1701426-04 FOAM1710050900MK 0.00...	3.52e4	66.7	NO
5	5	13C9-PFNA	1701426-04 FOAM1710050900MK 0.00...	3.97e4	61.9	NO
6	6	13C4-PFOS	1701426-04 FOAM1710050900MK 0.00...	6.69e3	65.4	NO
7	7	13C6-PFDA	1701426-04 FOAM1710050900MK 0.00...	3.82e4	60.8	NO
8	8	13C7-PFUnA	1701426-04 FOAM1710050900MK 0.00...	3.86e4	56.6	NO

Name: 171016M4_84, Date: 17-Oct-2017, Time: 04:25:26, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_85, Date: 17-Oct-2017, Time: 04:36:05, ID: ST171016M4-14 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171016M4-14 PFC CS3 17J1602	1.49e4	104.6	NO
2	2	13C5-PFHxA	ST171016M4-14 PFC CS3 17J1602	3.37e4	102.8	NO
3	3	13C3-PFHxS	ST171016M4-14 PFC CS3 17J1602	6.29e3	107.2	NO
4	4	13C8-PFOA	ST171016M4-14 PFC CS3 17J1602	5.54e4	105.0	NO
5	5	13C9-PFNA	ST171016M4-14 PFC CS3 17J1602	7.20e4	112.2	NO
6	6	13C4-PFOS	ST171016M4-14 PFC CS3 17J1602	1.21e4	118.5	NO
7	7	13C6-PFDA	ST171016M4-14 PFC CS3 17J1602	5.65e4	89.9	NO
8	8	13C7-PFUnA	ST171016M4-14 PFC CS3 17J1602	6.13e4	90.0	NO

Name: 171016M4_86, Date: 17-Oct-2017, Time: 04:46:51, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_87, Date: 17-Oct-2017, Time: 04:57:30, ID: 1701426-05 FOAM1710050900JNR 0.00104, Description: FOAM1710050900JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-05 FOAM1710050900JNR 0.0...	1.70e4	119.1	NO
2	2	13C5-PFHxA	1701426-05 FOAM1710050900JNR 0.0...	4.58e4	139.8	NO
3	3	13C3-PFHxS	1701426-05 FOAM1710050900JNR 0.0...	6.96e3	118.6	NO
4	4	13C8-PFOA	1701426-05 FOAM1710050900JNR 0.0...	4.04e4	76.6	NO
5	5	13C9-PFNA	1701426-05 FOAM1710050900JNR 0.0...	4.07e4	63.5	NO
6	6	13C4-PFOS	1701426-05 FOAM1710050900JNR 0.0...	7.90e3	77.3	NO
7	7	13C6-PFDA	1701426-05 FOAM1710050900JNR 0.0...	4.25e4	67.6	NO
8	8	13C7-PFUnA	1701426-05 FOAM1710050900JNR 0.0...	4.77e4	69.9	NO

Name: 171016M4_88, Date: 17-Oct-2017, Time: 05:08:08, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_89, Date: 17-Oct-2017, Time: 05:18:46, ID: 1701322-08RE2@250X JFOSS-GW-TW06-092217 0.00106, Description: JFOSS-GW-TW06-092217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701322-08RE2@250X JFOSS-GW-T...	4.07e4	285.5	YES
2	2	13C5-PFHxA	1701322-08RE2@250X JFOSS-GW-T...	6.25e4	190.8	YES
3	3	13C3-PFHxS	1701322-08RE2@250X JFOSS-GW-T...	8.70e3	148.2	NO
4	4	13C8-PFOA	1701322-08RE2@250X JFOSS-GW-T...	5.30e4	100.5	NO
5	5	13C9-PFNA	1701322-08RE2@250X JFOSS-GW-T...	6.66e4	103.8	NO
6	6	13C4-PFOS	1701322-08RE2@250X JFOSS-GW-T...	9.55e3	93.5	NO
7	7	13C6-PFDA	1701322-08RE2@250X JFOSS-GW-T...	5.40e4	85.9	NO
8	8	13C7-PFUnA	1701322-08RE2@250X JFOSS-GW-T...	4.63e4	68.0	NO

Name: 171016M4_90, Date: 17-Oct-2017, Time: 05:29:25, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA	9.01e0	0.0	NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_91, Date: 17-Oct-2017, Time: 05:40:03, ID: 1701322-10RE2@500X JFOSS-GW-TW13-092117 0.00101, Description: JFOSS-GW-TW13-092117

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701322-10RE2@500X JFOSS-GW-T...	3.89e4	272.7	YES
2	2	13C5-PFHxA	1701322-10RE2@500X JFOSS-GW-T...	5.93e4	181.0	YES
3	3	13C3-PFHxS	1701322-10RE2@500X JFOSS-GW-T...	9.26e3	157.8	YES
4	4	13C8-PFOA	1701322-10RE2@500X JFOSS-GW-T...	5.13e4	97.3	NO
5	5	13C9-PFNA	1701322-10RE2@500X JFOSS-GW-T...	5.26e4	82.1	NO
6	6	13C4-PFOS	1701322-10RE2@500X JFOSS-GW-T...	9.97e3	97.6	NO
7	7	13C6-PFDA	1701322-10RE2@500X JFOSS-GW-T...	5.54e4	88.1	NO
8	8	13C7-PFUnA	1701322-10RE2@500X JFOSS-GW-T...	5.67e4	83.2	NO

Name: 171016M4_92, Date: 17-Oct-2017, Time: 05:50:41, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_93, Date: 17-Oct-2017, Time: 06:01:20, ID: ST171016M4-15 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171016M4-15 PFC CS3 17J1602	1.51e4	105.7	NO
2	2	13C5-PFHxA	ST171016M4-15 PFC CS3 17J1602	3.20e4	97.8	NO
3	3	13C3-PFHxS	ST171016M4-15 PFC CS3 17J1602	6.20e3	105.7	NO
4	4	13C8-PFOA	ST171016M4-15 PFC CS3 17J1602	5.68e4	107.7	NO
5	5	13C9-PFNA	ST171016M4-15 PFC CS3 17J1602	6.12e4	95.4	NO
6	6	13C4-PFOS	ST171016M4-15 PFC CS3 17J1602	1.13e4	110.7	NO
7	7	13C6-PFDA	ST171016M4-15 PFC CS3 17J1602	5.93e4	94.3	NO
8	8	13C7-PFUnA	ST171016M4-15 PFC CS3 17J1602	6.49e4	95.3	NO

Name: 171016M4_94, Date: 17-Oct-2017, Time: 06:12:06, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_95, Date: 17-Oct-2017, Time: 06:22:48, ID: B7J0080-BS1 OPR 1, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0080-BS1 OPR 1	2.32e4	162.5	YES
2	2 13C5-PFHxA	B7J0080-BS1 OPR 1	4.20e4	128.2	NO
3	3 13C3-PFHxS	B7J0080-BS1 OPR 1	7.47e3	127.3	NO
4	4 13C8-PFOA	B7J0080-BS1 OPR 1	3.93e4	74.5	NO
5	5 13C9-PFNA	B7J0080-BS1 OPR 1	4.70e4	73.2	NO
6	6 13C4-PFOS	B7J0080-BS1 OPR 1	8.10e3	79.3	NO
7	7 13C6-PFDA	B7J0080-BS1 OPR 1	3.95e4	62.9	NO
8	8 13C7-PFUnA	B7J0080-BS1 OPR 1	4.47e4	65.5	NO

Name: 171016M4_96, Date: 17-Oct-2017, Time: 06:33:32, ID: B7J0080-BSD1 LCS Dup 1, Description: LCS Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0080-BSD1 LCS Dup 1	2.71e4	190.3	YES
2	2 13C5-PFHxA	B7J0080-BSD1 LCS Dup 1	4.52e4	138.1	NO
3	3 13C3-PFHxS	B7J0080-BSD1 LCS Dup 1	6.99e3	119.1	NO
4	4 13C8-PFOA	B7J0080-BSD1 LCS Dup 1	4.02e4	76.2	NO
5	5 13C9-PFNA	B7J0080-BSD1 LCS Dup 1	4.86e4	75.8	NO
6	6 13C4-PFOS	B7J0080-BSD1 LCS Dup 1	8.81e3	86.2	NO
7	7 13C6-PFDA	B7J0080-BSD1 LCS Dup 1	4.42e4	70.4	NO
8	8 13C7-PFUnA	B7J0080-BSD1 LCS Dup 1	4.60e4	67.5	NO

Name: 171016M4_97, Date: 17-Oct-2017, Time: 06:44:10, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171016M4_98, Date: 17-Oct-2017, Time: 06:54:49, ID: B7J0080-BLK1 Method Blank 1, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0080-BLK1 Method Blank 1	2.96e4	207.7	YES
2	2 13C5-PFHxA	B7J0080-BLK1 Method Blank 1	4.59e4	140.1	NO
3	3 13C3-PFHxS	B7J0080-BLK1 Method Blank 1	7.55e3	128.7	NO
4	4 13C8-PFOA	B7J0080-BLK1 Method Blank 1	4.35e4	82.5	NO
5	5 13C9-PFNA	B7J0080-BLK1 Method Blank 1	4.49e4	70.1	NO
6	6 13C4-PFOS	B7J0080-BLK1 Method Blank 1	8.89e3	87.0	NO
7	7 13C6-PFDA	B7J0080-BLK1 Method Blank 1	4.89e4	77.8	NO
8	8 13C7-PFUnA	B7J0080-BLK1 Method Blank 1	5.21e4	76.4	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_99, Date: 17-Oct-2017, Time: 07:05:32, ID: B7J0080-MS1 Matrix Spike 1, Description: Matrix Spike

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0080-MS1 Matrix Spike 1	2.23e4	156.1	YES
2	2 13C5-PFHxA	B7J0080-MS1 Matrix Spike 1	4.47e4	136.4	NO
3	3 13C3-PFHxS	B7J0080-MS1 Matrix Spike 1	8.07e3	137.6	NO
4	4 13C8-PFOA	B7J0080-MS1 Matrix Spike 1	4.46e4	84.5	NO
5	5 13C9-PFNA	B7J0080-MS1 Matrix Spike 1	4.78e4	74.5	NO
6	6 13C4-PFOS	B7J0080-MS1 Matrix Spike 1	9.67e3	94.6	NO
7	7 13C6-PFDA	B7J0080-MS1 Matrix Spike 1	4.96e4	78.9	NO
8	8 13C7-PFUnA	B7J0080-MS1 Matrix Spike 1	5.23e4	76.7	NO

Name: 171016M4_100, Date: 17-Oct-2017, Time: 07:16:47, ID: B7J0080-MSD1 Matrix Spike Dup 1, Description: Matrix Spike Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0080-MSD1 Matrix Spike Dup 1	2.89e4	202.6	YES
2	2 13C5-PFHxA	B7J0080-MSD1 Matrix Spike Dup 1	4.59e4	140.1	NO
3	3 13C3-PFHxS	B7J0080-MSD1 Matrix Spike Dup 1	7.73e3	131.7	NO
4	4 13C8-PFOA	B7J0080-MSD1 Matrix Spike Dup 1	4.19e4	79.5	NO
5	5 13C9-PFNA	B7J0080-MSD1 Matrix Spike Dup 1	4.94e4	77.1	NO
6	6 13C4-PFOS	B7J0080-MSD1 Matrix Spike Dup 1	9.53e3	93.2	NO
7	7 13C6-PFDA	B7J0080-MSD1 Matrix Spike Dup 1	4.18e4	66.5	NO
8	8 13C7-PFUnA	B7J0080-MSD1 Matrix Spike Dup 1	5.09e4	74.7	NO

Name: 171016M4_101, Date: 17-Oct-2017, Time: 07:27:42, ID: 1701373-01 GALP08204 1, Description: GALP08204

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701373-01 GALP08204 1	2.70e4	189.7	YES
2	2 13C5-PFHxA	1701373-01 GALP08204 1	4.44e4	135.6	NO
3	3 13C3-PFHxS	1701373-01 GALP08204 1	7.45e3	127.0	NO
4	4 13C8-PFOA	1701373-01 GALP08204 1	4.03e4	76.4	NO
5	5 13C9-PFNA	1701373-01 GALP08204 1	4.33e4	67.4	NO
6	6 13C4-PFOS	1701373-01 GALP08204 1	7.68e3	75.1	NO
7	7 13C6-PFDA	1701373-01 GALP08204 1	4.04e4	64.3	NO
8	8 13C7-PFUnA	1701373-01 GALP08204 1	4.43e4	65.0	NO

Name: 171016M4_102, Date: 17-Oct-2017, Time: 07:38:20, ID: 1701373-02 GALP08205 1, Description: GALP08205

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701373-02 GALP08205 1	3.15e4	221.1	YES
2	2 13C5-PFHxA	1701373-02 GALP08205 1	4.36e4	133.2	NO
3	3 13C3-PFHxS	1701373-02 GALP08205 1	6.49e3	110.7	NO
4	4 13C8-PFOA	1701373-02 GALP08205 1	3.99e4	75.7	NO
5	5 13C9-PFNA	1701373-02 GALP08205 1	4.60e4	71.7	NO
6	6 13C4-PFOS	1701373-02 GALP08205 1	8.29e3	81.1	NO
7	7 13C6-PFDA	1701373-02 GALP08205 1	3.93e4	62.5	NO
8	8 13C7-PFUnA	1701373-02 GALP08205 1	4.11e4	60.3	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_103, Date: 17-Oct-2017, Time: 07:48:59, ID: 1701373-03 GALP08207 1, Description: GALP08207

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701373-03 GALP08207 1	2.94e4	206.1	YES
2	2	13C5-PFHxA	1701373-03 GALP08207 1	4.29e4	131.0	NO
3	3	13C3-PFHxS	1701373-03 GALP08207 1	6.71e3	114.4	NO
4	4	13C8-PFOA	1701373-03 GALP08207 1	4.21e4	79.8	NO
5	5	13C9-PFNA	1701373-03 GALP08207 1	4.79e4	74.6	NO
6	6	13C4-PFOS	1701373-03 GALP08207 1	8.08e3	79.1	NO
7	7	13C6-PFDA	1701373-03 GALP08207 1	4.54e4	72.2	NO
8	8	13C7-PFUnA	1701373-03 GALP08207 1	4.43e4	64.9	NO

Name: 171016M4_104, Date: 17-Oct-2017, Time: 07:59:45, ID: 1701373-04 GALP08208 1, Description: GALP08208

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701373-04 GALP08208 1	3.20e4	224.2	YES
2	2	13C5-PFHxA	1701373-04 GALP08208 1	4.53e4	138.2	NO
3	3	13C3-PFHxS	1701373-04 GALP08208 1	7.41e3	126.3	NO
4	4	13C8-PFOA	1701373-04 GALP08208 1	4.22e4	80.1	NO
5	5	13C9-PFNA	1701373-04 GALP08208 1	4.54e4	70.8	NO
6	6	13C4-PFOS	1701373-04 GALP08208 1	8.81e3	86.2	NO
7	7	13C6-PFDA	1701373-04 GALP08208 1	4.11e4	65.4	NO
8	8	13C7-PFUnA	1701373-04 GALP08208 1	5.04e4	74.0	NO

Name: 171016M4_105, Date: 17-Oct-2017, Time: 08:10:24, ID: 1701373-05 GALP08210 1, Description: GALP08210

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701373-05 GALP08210 1	2.98e4	209.1	YES
2	2	13C5-PFHxA	1701373-05 GALP08210 1	4.86e4	148.3	NO
3	3	13C3-PFHxS	1701373-05 GALP08210 1	7.90e3	134.6	NO
4	4	13C8-PFOA	1701373-05 GALP08210 1	4.32e4	81.9	NO
5	5	13C9-PFNA	1701373-05 GALP08210 1	5.06e4	78.9	NO
6	6	13C4-PFOS	1701373-05 GALP08210 1	1.01e4	98.9	NO
7	7	13C6-PFDA	1701373-05 GALP08210 1	4.49e4	71.4	NO
8	8	13C7-PFUnA	1701373-05 GALP08210 1	5.73e4	84.1	NO

Name: 171016M4_106, Date: 17-Oct-2017, Time: 08:21:11, ID: 1701373-06 GALP08211 1, Description: GALP08211

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701373-06 GALP08211 1	2.30e4	161.0	YES
2	2	13C5-PFHxA	1701373-06 GALP08211 1	4.51e4	137.6	NO
3	3	13C3-PFHxS	1701373-06 GALP08211 1	8.25e3	140.6	NO
4	4	13C8-PFOA	1701373-06 GALP08211 1	4.50e4	85.3	NO
5	5	13C9-PFNA	1701373-06 GALP08211 1	4.89e4	76.2	NO
6	6	13C4-PFOS	1701373-06 GALP08211 1	9.48e3	92.8	NO
7	7	13C6-PFDA	1701373-06 GALP08211 1	5.08e4	80.8	NO
8	8	13C7-PFUnA	1701373-06 GALP08211 1	5.34e4	78.3	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_107, Date: 17-Oct-2017, Time: 08:31:49, ID: 1701373-07 GALP08212 1, Description: GALP08212

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701373-07 GALP08212 1	2.20e4	154.1	YES
2	2	13C5-PFHxA	1701373-07 GALP08212 1	4.50e4	137.5	NO
3	3	13C3-PFHxS	1701373-07 GALP08212 1	7.60e3	129.6	NO
4	4	13C8-PFOA	1701373-07 GALP08212 1	4.59e4	87.0	NO
5	5	13C9-PFNA	1701373-07 GALP08212 1	4.24e4	66.0	NO
6	6	13C4-PFOS	1701373-07 GALP08212 1	9.07e3	88.7	NO
7	7	13C6-PFDA	1701373-07 GALP08212 1	4.83e4	76.8	NO
8	8	13C7-PFUnA	1701373-07 GALP08212 1	5.34e4	78.3	NO

Name: 171016M4_108, Date: 17-Oct-2017, Time: 08:42:36, ID: 1701373-08 GALP08213 1, Description: GALP08213

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701373-08 GALP08213 1			NO
2	2	13C5-PFHxA	1701373-08 GALP08213 1			NO
3	3	13C3-PFHxS	1701373-08 GALP08213 1			NO
4	4	13C8-PFOA	1701373-08 GALP08213 1			NO
5	5	13C9-PFNA	1701373-08 GALP08213 1			NO
6	6	13C4-PFOS	1701373-08 GALP08213 1			NO
7	7	13C6-PFDA	1701373-08 GALP08213 1			NO
8	8	13C7-PFUnA	1701373-08 GALP08213 1			NO

Name: 171016M4_109, Date: 17-Oct-2017, Time: 08:53:15, ID: 1701392-01 OF-1N Mix 1, Description: OF-1N Mix

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701392-01 OF-1N Mix 1	2.66e4	186.7	YES
2	2	13C5-PFHxA	1701392-01 OF-1N Mix 1	4.25e4	129.8	NO
3	3	13C3-PFHxS	1701392-01 OF-1N Mix 1	7.05e3	120.1	NO
4	4	13C8-PFOA	1701392-01 OF-1N Mix 1	3.70e4	70.2	NO
5	5	13C9-PFNA	1701392-01 OF-1N Mix 1	3.97e4	61.8	NO
6	6	13C4-PFOS	1701392-01 OF-1N Mix 1	7.87e3	77.0	NO
7	7	13C6-PFDA	1701392-01 OF-1N Mix 1	4.01e4	63.7	NO
8	8	13C7-PFUnA	1701392-01 OF-1N Mix 1	3.79e4	55.6	NO

Name: 171016M4_110, Date: 17-Oct-2017, Time: 09:03:53, ID: 1701407-11 Lagoon 2 Sludge 1, Description: Lagoon 2 Sludge

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701407-11 Lagoon 2 Sludge 1	3.23e4	226.8	YES
2	2	13C5-PFHxA	1701407-11 Lagoon 2 Sludge 1	4.20e4	128.1	NO
3	3	13C3-PFHxS	1701407-11 Lagoon 2 Sludge 1	7.91e3	134.7	NO
4	4	13C8-PFOA	1701407-11 Lagoon 2 Sludge 1	4.22e4	79.9	NO
5	5	13C9-PFNA	1701407-11 Lagoon 2 Sludge 1	4.59e4	71.6	NO
6	6	13C4-PFOS	1701407-11 Lagoon 2 Sludge 1	9.12e3	89.2	NO
7	7	13C6-PFDA	1701407-11 Lagoon 2 Sludge 1	4.67e4	74.3	NO
8	8	13C7-PFUnA	1701407-11 Lagoon 2 Sludge 1	5.22e4	76.6	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_111, Date: 17-Oct-2017, Time: 09:14:36, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_112, Date: 17-Oct-2017, Time: 09:25:18, ID: ST171016M4-16 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171016M4-16 PFC CS3 17J1602	1.55e4	109.0	NO
2	2	13C5-PFHxA	ST171016M4-16 PFC CS3 17J1602	3.46e4	105.5	NO
3	3	13C3-PFHxS	ST171016M4-16 PFC CS3 17J1602	7.12e3	121.3	NO
4	4	13C8-PFOA	ST171016M4-16 PFC CS3 17J1602	5.54e4	105.0	NO
5	5	13C9-PFNA	ST171016M4-16 PFC CS3 17J1602	6.48e4	101.0	NO
6	6	13C4-PFOS	ST171016M4-16 PFC CS3 17J1602	1.21e4	118.7	NO
7	7	13C6-PFDA	ST171016M4-16 PFC CS3 17J1602	6.10e4	97.0	NO
8	8	13C7-PFUnA	ST171016M4-16 PFC CS3 17J1602	6.60e4	96.8	NO

Name: 171016M4_113, Date: 17-Oct-2017, Time: 09:35:56, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_114, Date: 17-Oct-2017, Time: 09:46:34, ID: 1701407-11RE1 Lagoon 2 Sludge 1, Description: Lagoon 2 Sludge

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701407-11RE1 Lagoon 2 Sludge 1	2.58e4	180.8	YES
2	2	13C5-PFHxA	1701407-11RE1 Lagoon 2 Sludge 1	3.83e4	116.8	NO
3	3	13C3-PFHxS	1701407-11RE1 Lagoon 2 Sludge 1	6.75e3	115.1	NO
4	4	13C8-PFOA	1701407-11RE1 Lagoon 2 Sludge 1	3.38e4	64.1	NO
5	5	13C9-PFNA	1701407-11RE1 Lagoon 2 Sludge 1	4.54e4	70.8	NO
6	6	13C4-PFOS	1701407-11RE1 Lagoon 2 Sludge 1	8.98e3	87.8	NO
7	7	13C6-PFDA	1701407-11RE1 Lagoon 2 Sludge 1	4.60e4	73.2	NO
8	8	13C7-PFUnA	1701407-11RE1 Lagoon 2 Sludge 1	5.52e4	80.9	NO

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_115, Date: 17-Oct-2017, Time: 09:57:21, ID: 1701407-12 Lagoon 1 Sludge 1, Description: Lagoon 1 Sludge

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701407-12 Lagoon 1 Sludge 1	3.03e4	212.5	YES
2	2	13C5-PFHxA	1701407-12 Lagoon 1 Sludge 1	4.61e4	140.8	NO
3	3	13C3-PFHxS	1701407-12 Lagoon 1 Sludge 1	8.30e3	141.4	NO
4	4	13C8-PFOA	1701407-12 Lagoon 1 Sludge 1	4.56e4	86.4	NO
5	5	13C9-PFNA	1701407-12 Lagoon 1 Sludge 1	5.50e4	85.8	NO
6	6	13C4-PFOS	1701407-12 Lagoon 1 Sludge 1	9.96e3	97.4	NO
7	7	13C6-PFDA	1701407-12 Lagoon 1 Sludge 1	5.21e4	82.8	NO
8	8	13C7-PFUnA	1701407-12 Lagoon 1 Sludge 1	6.17e4	90.5	NO

Name: 171016M4_116, Date: 17-Oct-2017, Time: 10:08:19, ID: 1701407-12RE1 Lagoon 1 Sludge 1, Description: Lagoon 1 Sludge

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701407-12RE1 Lagoon 1 Sludge 1	2.83e4	198.9	YES
2	2	13C5-PFHxA	1701407-12RE1 Lagoon 1 Sludge 1	4.60e4	140.5	NO
3	3	13C3-PFHxS	1701407-12RE1 Lagoon 1 Sludge 1	8.76e3	149.3	NO
4	4	13C8-PFOA	1701407-12RE1 Lagoon 1 Sludge 1	4.62e4	87.7	NO
5	5	13C9-PFNA	1701407-12RE1 Lagoon 1 Sludge 1	5.20e4	81.1	NO
6	6	13C4-PFOS	1701407-12RE1 Lagoon 1 Sludge 1	1.01e4	98.9	NO
7	7	13C6-PFDA	1701407-12RE1 Lagoon 1 Sludge 1	5.14e4	81.8	NO
8	8	13C7-PFUnA	1701407-12RE1 Lagoon 1 Sludge 1	5.48e4	80.4	NO

Name: 171016M4_117, Date: 17-Oct-2017, Time: 10:19:37, ID: 1701407-13 Sludge Lagoon 1, Description: Sludge Lagoon

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701407-13 Sludge Lagoon 1	3.34e4	234.5	YES
2	2	13C5-PFHxA	1701407-13 Sludge Lagoon 1	4.55e4	138.9	NO
3	3	13C3-PFHxS	1701407-13 Sludge Lagoon 1	8.44e3	143.9	NO
4	4	13C8-PFOA	1701407-13 Sludge Lagoon 1	4.48e4	85.0	NO
5	5	13C9-PFNA	1701407-13 Sludge Lagoon 1	4.86e4	75.8	NO
6	6	13C4-PFOS	1701407-13 Sludge Lagoon 1	1.05e4	102.3	NO
7	7	13C6-PFDA	1701407-13 Sludge Lagoon 1	4.85e4	77.1	NO
8	8	13C7-PFUnA	1701407-13 Sludge Lagoon 1	5.29e4	77.6	NO

Name: 171016M4_118, Date: 17-Oct-2017, Time: 10:30:30, ID: 1701438-01 Outfall 1 1, Description: Outfall 1

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701438-01 Outfall 1 1	5.50e3	38.6	YES
2	2	13C5-PFHxA	1701438-01 Outfall 1 1	7.92e3	24.2	YES
3	3	13C3-PFHxS	1701438-01 Outfall 1 1	1.01e3	17.1	YES
4	4	13C8-PFOA	1701438-01 Outfall 1 1	6.76e3	12.8	YES
5	5	13C9-PFNA	1701438-01 Outfall 1 1	8.55e3	13.3	YES
6	6	13C4-PFOS	1701438-01 Outfall 1 1	1.22e3	11.9	YES
7	7	13C6-PFDA	1701438-01 Outfall 1 1	7.49e3	11.9	YES
8	8	13C7-PFUnA	1701438-01 Outfall 1 1	8.19e3	12.0	YES

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 13:15:20 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:15:23 Pacific Daylight Time

Name: 171016M4_119, Date: 17-Oct-2017, Time: 10:41:10, ID: 1701438-02 Outfall 2 1, Description: Outfall 2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701438-02 Outfall 2 1	2.74e4	192.4	YES
2	2	13C5-PFHxA	1701438-02 Outfall 2 1	4.09e4	124.9	NO
3	3	13C3-PFHxS	1701438-02 Outfall 2 1	7.85e3	133.8	NO
4	4	13C8-PFOA	1701438-02 Outfall 2 1	3.98e4	75.5	NO
5	5	13C9-PFNA	1701438-02 Outfall 2 1	4.10e4	63.9	NO
6	6	13C4-PFOS	1701438-02 Outfall 2 1	8.39e3	82.1	NO
7	7	13C6-PFDA	1701438-02 Outfall 2 1	4.43e4	70.4	NO
8	8	13C7-PFUnA	1701438-02 Outfall 2 1	5.17e4	75.9	NO

Name: 171016M4_120, Date: 17-Oct-2017, Time: 10:51:48, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171016M4_121, Date: 17-Oct-2017, Time: 11:02:26, ID: ST171016M4-17 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171016M4-17 PFC CS3 17J1602	1.56e4	109.5	NO
2	2	13C5-PFHxA	ST171016M4-17 PFC CS3 17J1602	3.63e4	110.9	NO
3	3	13C3-PFHxS	ST171016M4-17 PFC CS3 17J1602	7.62e3	129.8	NO
4	4	13C8-PFOA	ST171016M4-17 PFC CS3 17J1602	5.65e4	107.2	NO
5	5	13C9-PFNA	ST171016M4-17 PFC CS3 17J1602	6.68e4	104.2	NO
6	6	13C4-PFOS	ST171016M4-17 PFC CS3 17J1602	1.28e4	125.6	NO
7	7	13C6-PFDA	ST171016M4-17 PFC CS3 17J1602	6.50e4	103.4	NO
8	8	13C7-PFUnA	ST171016M4-17 PFC CS3 17J1602	7.20e4	105.7	NO

Name: 171016M4_122, Date: 17-Oct-2017, Time: 11:13:05, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Vista Analytical Laboratory

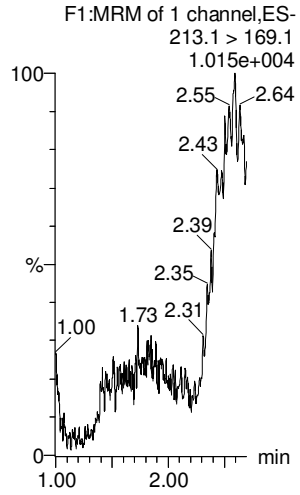
Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

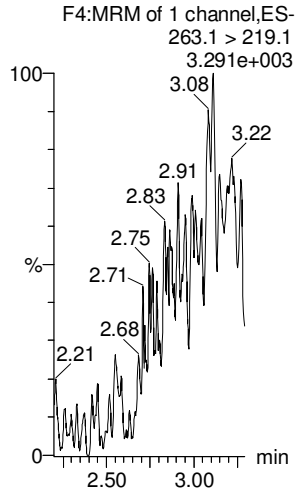
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

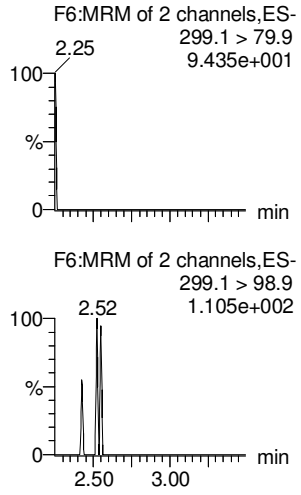
PFBA



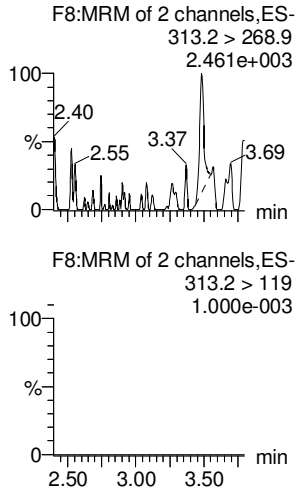
PFPeA



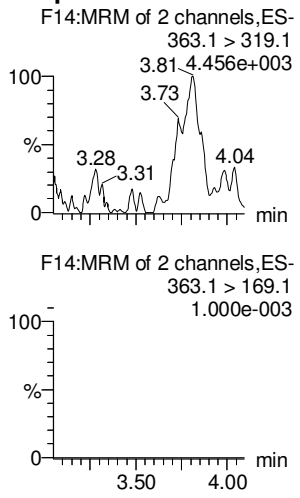
PFBS



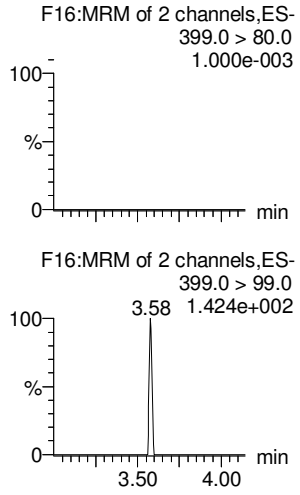
PFHxA



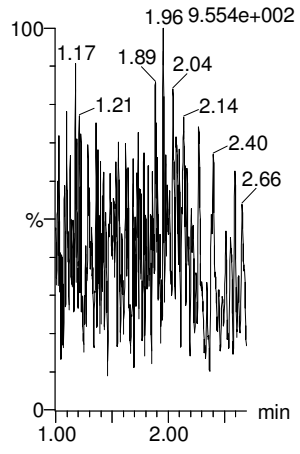
PFHpA



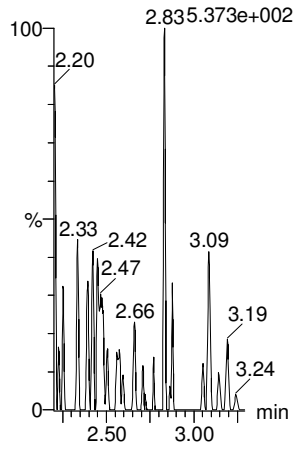
L-PFHxS



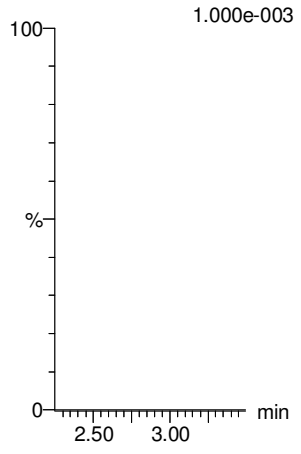
13C3-PFBA



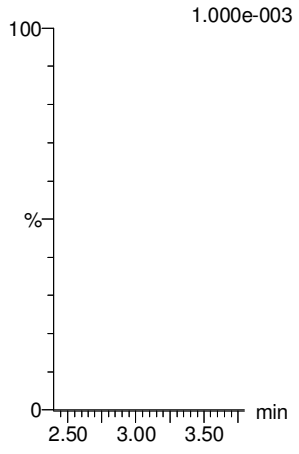
13C3-PFPeA



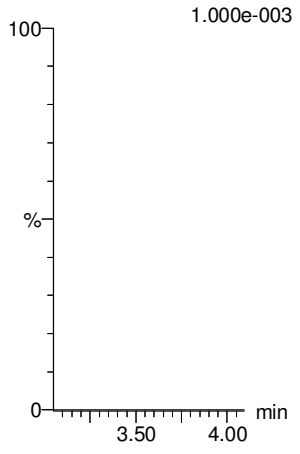
13C3-PFBS



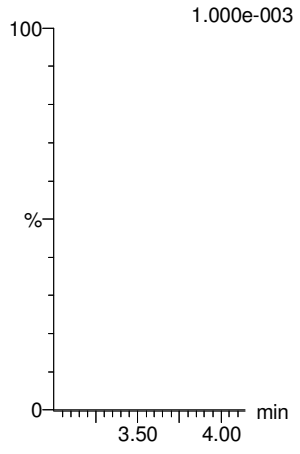
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



GM 10/17/17

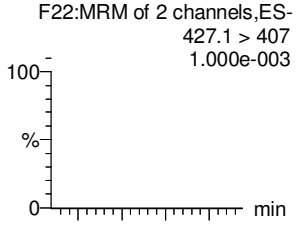
Vista Analytical Laboratory

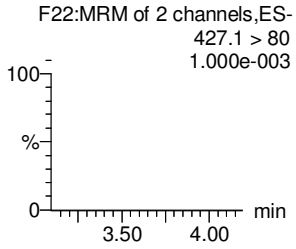
Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

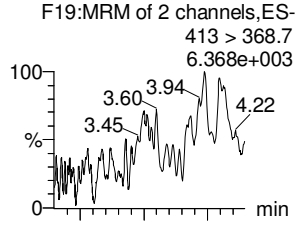
Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

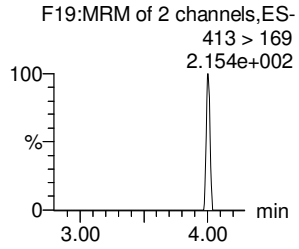
6:2 FTS



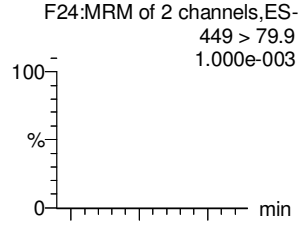


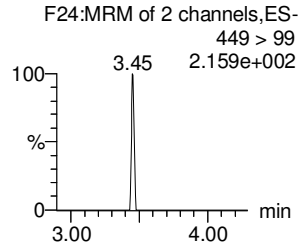
L-PFOA



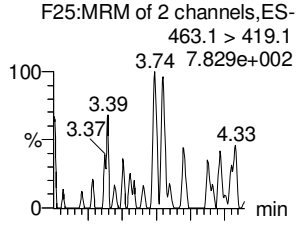


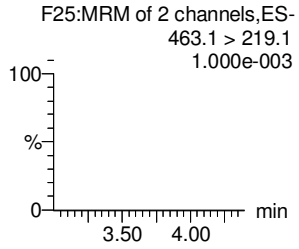
PFHpS



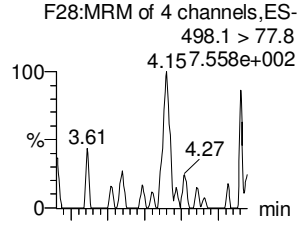


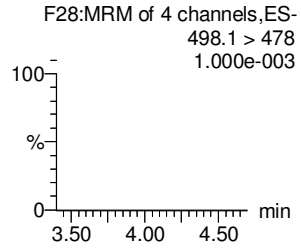
PFNA



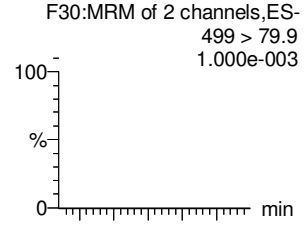


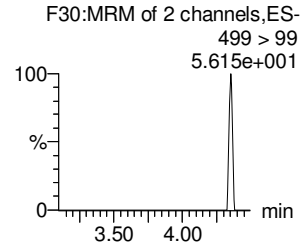
PFOSA



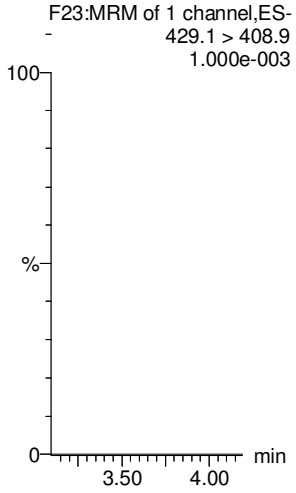


L-PFOS

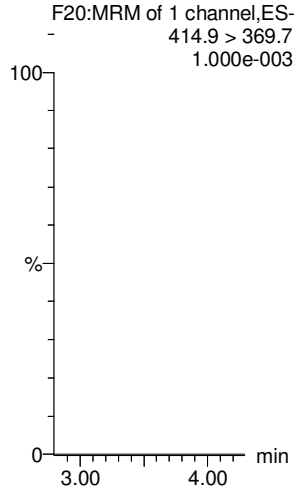




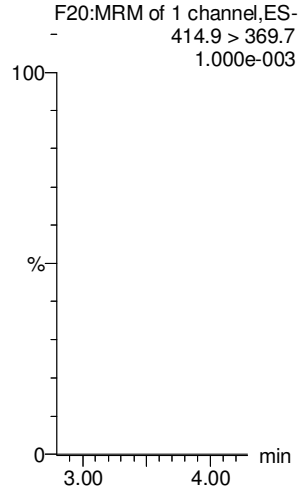
13C2-6:2 FTS



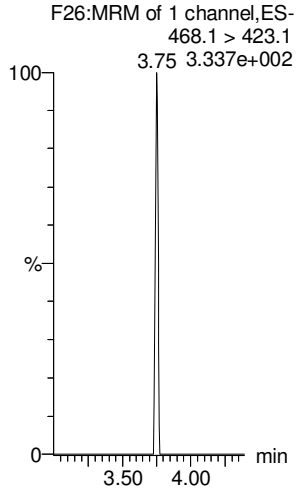
13C2-PFOA



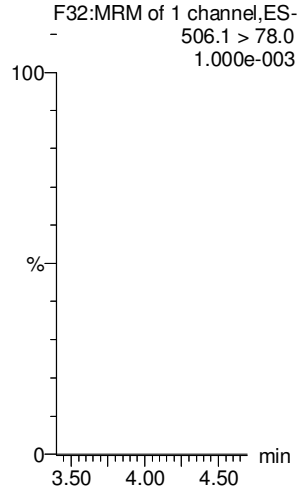
13C2-PFOA



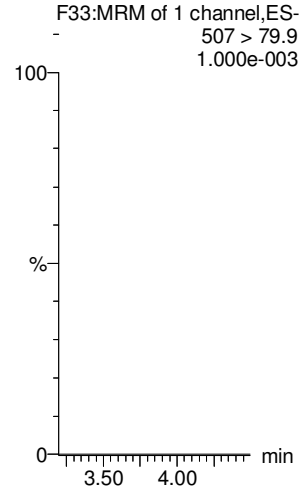
13C5-PFNA



13C8-PFOSA



13C8-PFOS



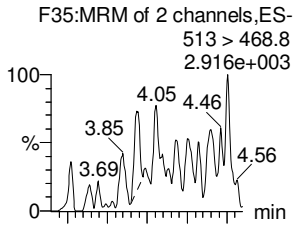
GM 10/17/17

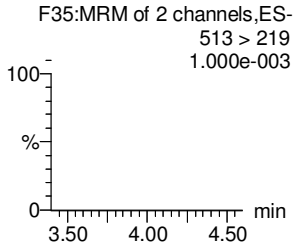
Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

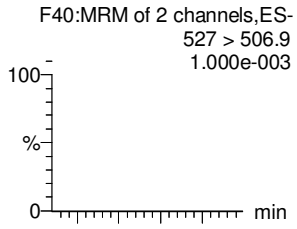
Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

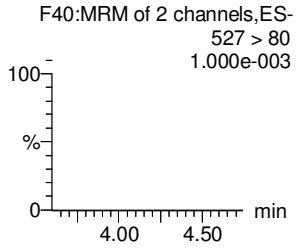
PFDA



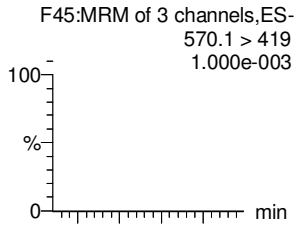


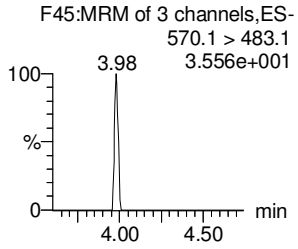
8:2 FTS



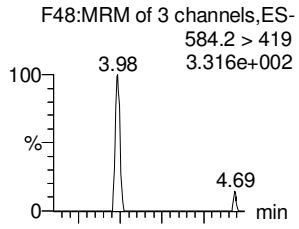


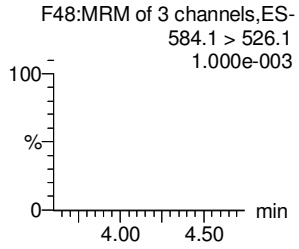
N-MeFOSAA



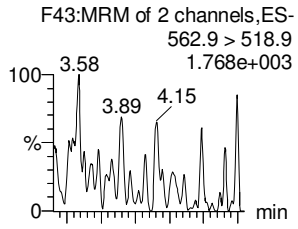


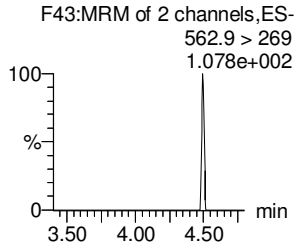
N-EtFOSAA



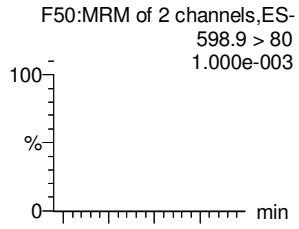


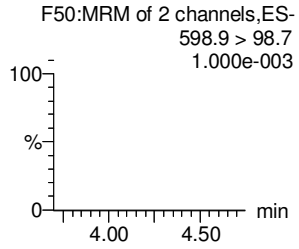
PFUnA



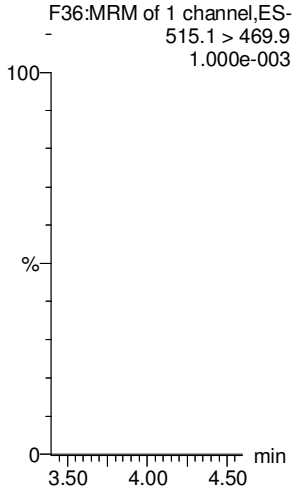


PFDS

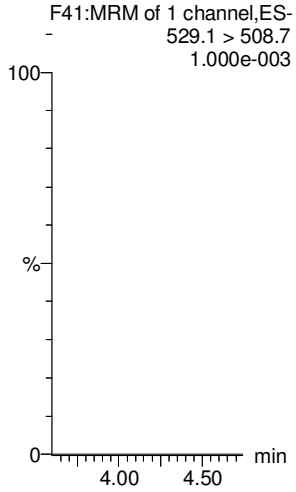




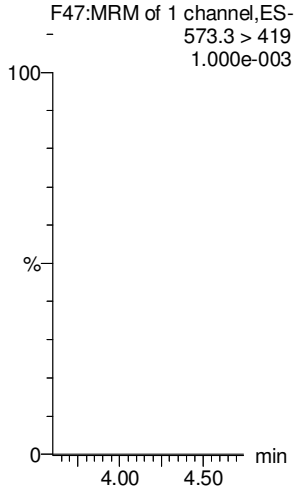
13C2-PFDA



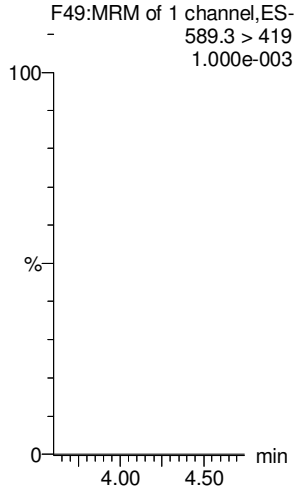
13C2-8:2 FTS



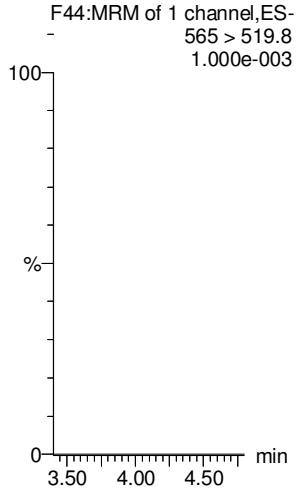
d3-N-MeFOSAA



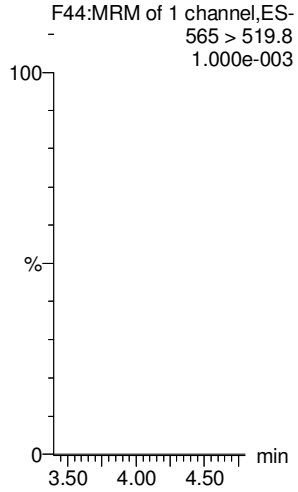
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA



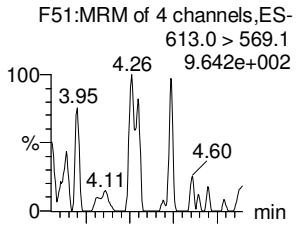
GM 10/17/17

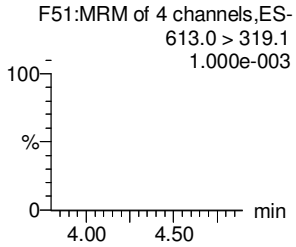
Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

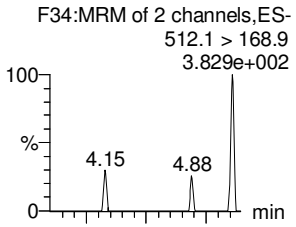
Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

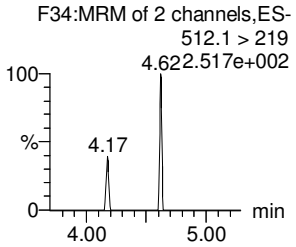
PFDoA



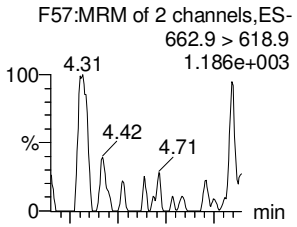


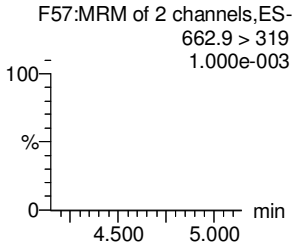
N-MeFOSA



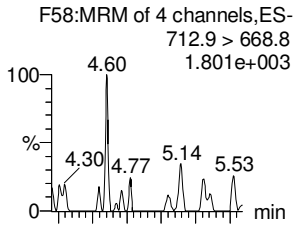


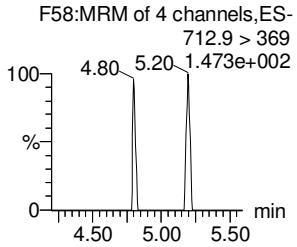
PFTrDA



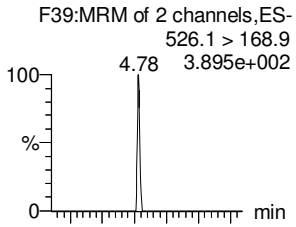


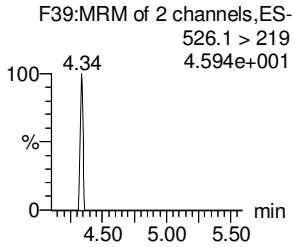
PFTeDA



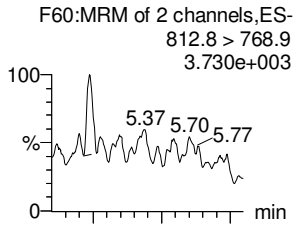


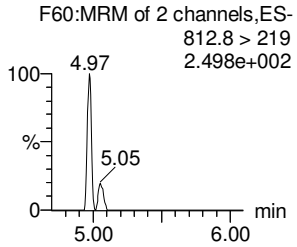
N-EtFOSA



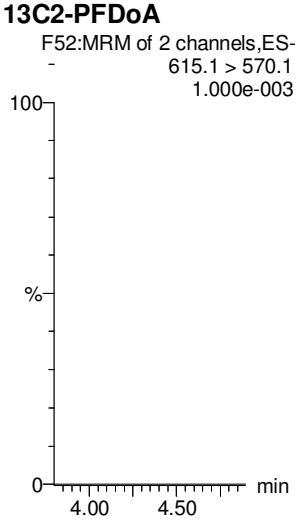


PFHxDA

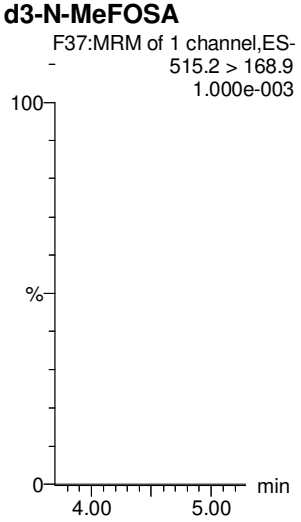




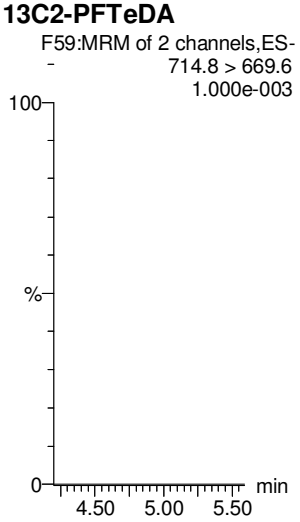
13C2-PFDoA



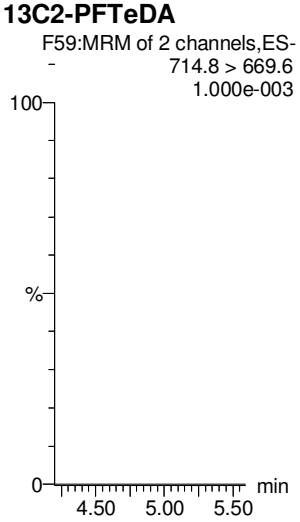
d3-N-MeFOSA



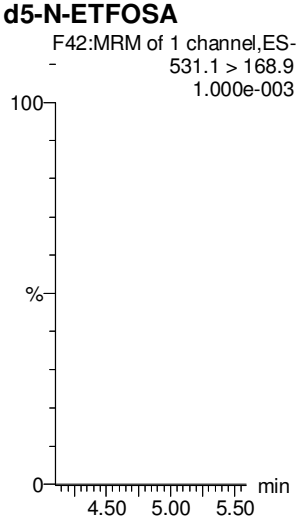
13C2-PFTeDA



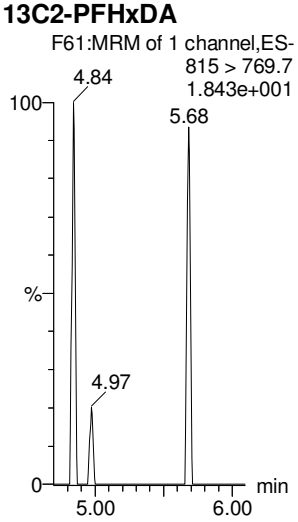
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



GM 10/17/17

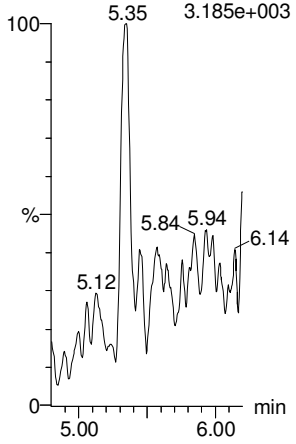
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

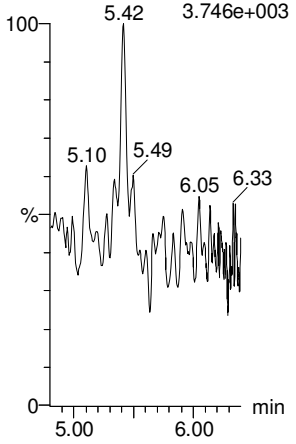
Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

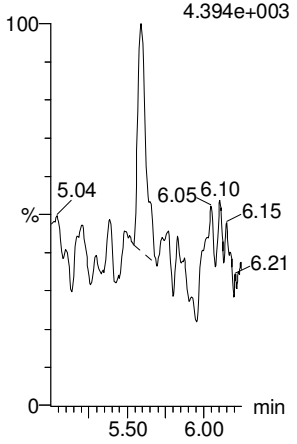
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
3.185e+003



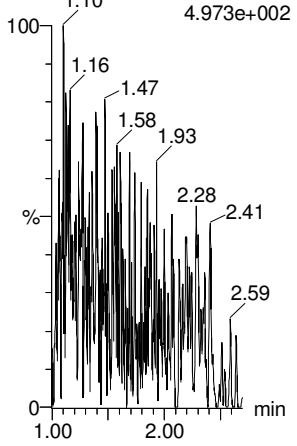
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
3.746e+003



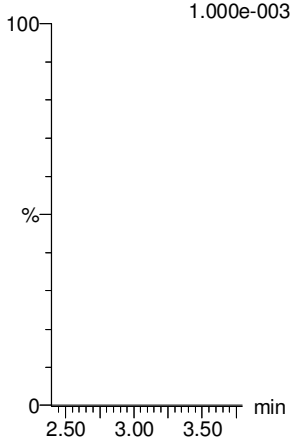
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
4.394e+003



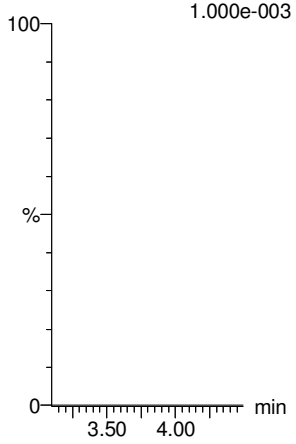
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
4.973e+002



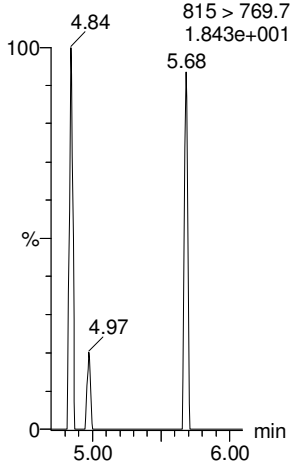
13C5-PFHxA
F10:MRM of 1 channel,ES-
-
318 > 272.9
1.000e-003



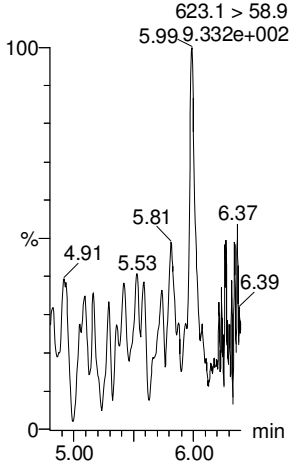
13C4-PFOS
F31:MRM of 1 channel,ES-
-
503 > 79.9
1.000e-003



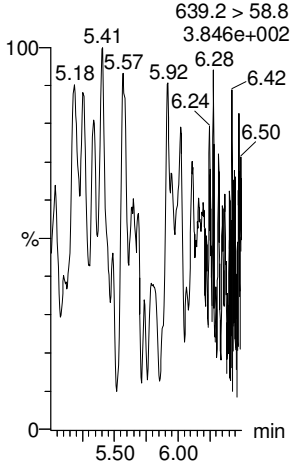
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
1.843e+001



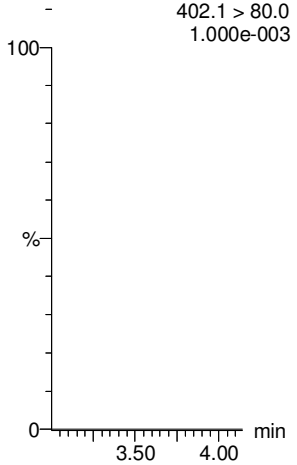
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
9.332e+002



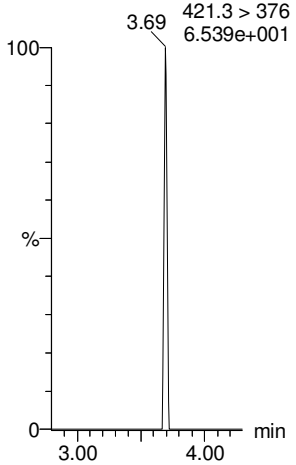
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
3.846e+002



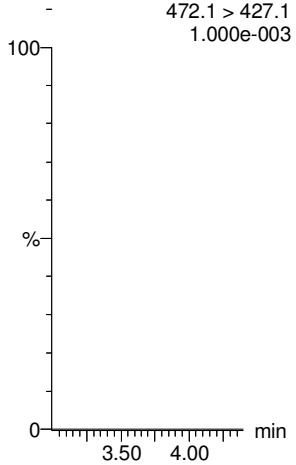
13C3-PFHxS
F17:MRM of 1 channel,ES-
-
402.1 > 80.0
1.000e-003



13C8-PFOA
F21:MRM of 1 channel,ES-
-
421.3 > 376
6.539e+001



13C9-PFNA
F27:MRM of 1 channel,ES-
-
472.1 > 427.1
1.000e-003



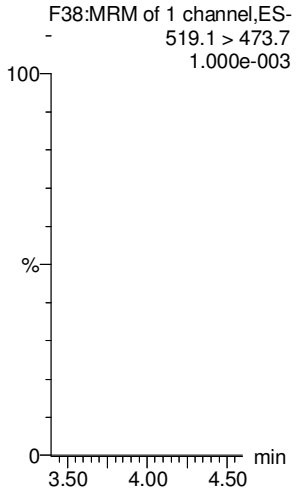
GM 10/17/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

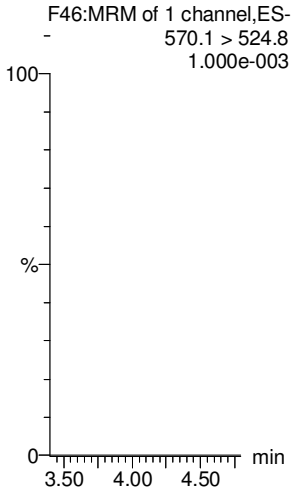
Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

13C6-PFDA



13C7-PFUnA



GM 10/17/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171016M4\171016M4-36.qld

Last Altered: Tuesday, October 17, 2017 11:46:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:47:00 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_36, Date: 16-Oct-2017, Time: 19:52:42, ID: ST171016M4-11 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	1.10e4	1.30e4		1.32	1.35	10.5	10.1	100.6
2	2	PFPeA	263.1 > 219.1	1.84e4	2.19e4		2.61	2.64	10.5	10.8	107.9
3	3	PFBS	299.1 > 79.9	4.00e3	5.16e3		3.09	2.87	9.69	10.3	103.1
4	4	PFHxA	313.2 > 268.9	2.94e4	8.76e3		3.31	3.12	16.8	11.5	114.8
5	5	PFHpA	363.1 > 319.1	3.94e4	4.73e4		3.56	3.40	10.4	11.3	113.1
6	6	L-PFHxS	399.0 > 80.0	4.84e3	3.19e3		3.63	3.47	19.0	7.89	78.9
7	8	6:2 FTS	427.1 > 407	7.20e3	8.35e3		3.76	3.58	10.8	9.89	98.9
8	9	L-PFOA	413 > 368.7	4.62e4	5.05e4		3.77	3.59	11.4	11.6	115.7
9	11	PFHpS	449 > 79.9	7.70e3	5.05e4		3.83	3.66	1.91	11.7	116.7
10	12	PFNA	463.1 > 419.1	5.04e4	5.73e4		3.96	3.77	11.0	10.4	103.9
11	13	PFOSA	498.1 > 77.8	1.02e4	1.16e4		3.96	3.78	10.9	10.0	100.1
12	14	L-PFOS	499 > 79.9	9.31e3	1.14e4		3.81	3.82	10.2	10.1	100.7
13	16	PFDA	513 > 468.8	5.85e4	5.08e4		4.14	3.94	14.4	9.98	99.8
14	17	8:2 FTS	527 > 506.9	7.19e3	6.76e3		4.14	3.94	13.3	9.59	95.9
15	18	N-MeFOSAA	570.1 > 419	1.56e4	1.37e4		4.17	3.97	185	9.40	94.0
16	19	N-EtFOSAA	584.2 > 419	1.22e4	1.47e4		4.23	4.04	135	9.77	97.7
17	20	PFUnA	562.9 > 518.9	3.81e4	6.29e4		4.31	4.11	7.58	10.5	105.5
18	21	PFDS	598.9 > 80	8.80e3	6.29e4		4.36	4.16	1.75	10.5	104.9
19	22	PFDoA	613.0 > 569.1	4.93e4	6.64e4		4.49	4.26	9.29	8.69	86.9
20	23	N-MeFOSA	512.1 > 168.9	1.86e4	5.02e4		4.16	4.17	55.5	57.0	114.1
21	24	PFTrDA	662.9 > 618.9	5.63e4	6.64e4		4.68	4.43	10.6	10.5	104.9
22	25	PFTeDA	712.9 > 668.8	3.83e4	4.45e4		4.60	4.60	10.8	10.7	106.7
23	26	N-EtFOSA	526.1 > 168.9	2.49e4	7.70e4		5.13	4.79	48.5	50.0	100.0
24	27	PFHxDA	812.8 > 768.9	6.33e4	2.18e4		5.28	4.97	14.5	10.1	101.1
25	28	PFODA	912.8 > 868.8	6.43e4	2.18e4		5.67	5.35	14.7	10.4	103.5
26	29	N-MeFOSE	616.1 > 58.9	3.61e4	1.02e5		5.43	5.41	52.8	52.2	104.5
27	30	N-EtFOSE	630.1 > 58.9	3.98e4	1.01e5		5.60	5.59	59.0	52.0	104.1
28	31	13C3-PFBA	216.1 > 172.1	1.30e4	1.35e4	0.956	1.32	1.34	12.1	12.6	101.0
29	32	13C3-PFPeA	266.1 > 222.1	2.19e4	3.12e4	0.288	2.91	2.63	3.51	12.2	97.3
30	33	13C3-PFBS	302.1 > 79.9	5.16e3	3.12e4	0.065	3.09	2.88	0.828	12.7	101.3
31	34	13C2-PFHxA	315 > 269.8	8.76e3	3.12e4	0.297	3.31	3.12	1.40	4.73	94.6

70-130

50-150

OM 10/17/17

✓ AC 10/17/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-36.qld

Last Altered: Tuesday, October 17, 2017 11:46:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:47:00 Pacific Daylight Time

Name: 171016M4_36, Date: 16-Oct-2017, Time: 19:52:42, ID: ST171016M4-11 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C4-PFHpA	367 > 322.1	4.73e4	3.12e4	0.641	3.56	3.39	7.57	11.8	94.5
33	36	18O2-PFHxS	403 > 103.0	3.19e3	6.11e3	0.519	3.63	3.47	6.53	12.6	100.6
34	37	13C2-6:2 FTS	429.1 > 408.9	8.35e3	4.67e4	0.177	3.76	3.59	2.23	12.6	100.8
35	38	13C2-PFOA	414.9 > 369.7	5.05e4	4.67e4	1.147	3.77	3.59	13.5	11.8	94.1
36	39	13C5-PFNA	468.1 > 423.1	5.73e4	6.40e4	0.939	3.96	3.77	11.2	11.9	95.4
37	40	13C8-PFOSA	506.1 > 78.0	1.16e4	6.21e4	0.177	3.96	3.78	2.34	13.2	105.6
38	41	13C8-PFOS	507 > 79.9	1.14e4	1.11e4	1.067	3.81	3.82	12.8	12.0	96.0
39	42	13C2-PFDA	515.1 > 469.9	5.08e4	6.13e4	0.835	4.14	3.94	10.4	12.4	99.3
40	43	13C2-8:2 FTS	529.1 > 508.7	6.76e3	6.13e4	0.118	4.14	3.93	1.38	11.7	93.8
41	44	d3-N-MeFOSAA	573.3 > 419	1.37e4	6.21e4	0.013	4.17	3.97	2.76	209	128.8
42	45	d5-N-EtFOSAA	589.3 > 419	1.47e4	6.21e4	0.015	4.23	4.04	2.97	193	119.0
43	46	13C2-PFUnA	565 > 519.8	6.29e4	6.21e4	1.017	4.31	4.11	12.7	12.5	99.6
44	47	13C2-PFDoA	615.1 > 570.1	6.64e4	6.21e4	0.984	4.49	4.26	13.4	13.6	108.6
45	48	d3-N-MeFOSA	515.2 > 168.9	5.02e4	6.21e4	0.069	4.16	4.21	10.1	145	97.0
46	49	13C2-PFTeDA	714.8 > 669.6	4.45e4	6.21e4	0.618	4.88	4.60	8.96	14.5	116.0
47	50	d5-N-ETFOSA	531.1 > 168.9	7.70e4	6.21e4	0.108	5.13	4.84	15.5	143	95.5
48	51	13C2-PFHxDA	815 > 769.7	2.18e4	6.21e4	0.797	5.28	4.97	4.39	5.52	110.3
49	52	d7-N-MeFOSE	623.1 > 58.9	1.02e5	6.21e4	0.139	5.43	5.40	20.6	149	99.2
50	53	d9-N-EtFOSE	639.2 > 58.8	1.01e5	6.21e4	0.135	5.60	5.58	20.4	151	100.3
51	54	13C4-PFBA	217.1 > 172.1	1.35e4	1.35e4	1.000	1.32	1.35	12.5	12.5	100.0
52	55	13C5-PFHxA	318 > 272.9	3.12e4	3.12e4	1.000	3.31	3.13	5.00	5.00	100.0
53	56	13C3-PFHxS	402.1 > 80.0	6.11e3	6.11e3	1.000	3.63	3.47	12.5	12.5	100.0
54	57	13C8-PFOA	421.3 > 376	4.67e4	4.67e4	1.000	3.77	3.59	12.5	12.5	100.0
55	58	13C9-PFNA	472.1 > 427.1	6.40e4	6.40e4	1.000	3.96	3.77	12.5	12.5	100.0
56	59	13C4-PFOS	503 > 79.9	1.11e4	1.11e4	1.000	3.81	3.82	12.5	12.5	100.0
57	60	13C6-PFDA	519.1 > 473.7	6.13e4	6.13e4	1.000	4.14	3.94	12.5	12.5	100.0
58	61	13C7-PFUnA	570.1 > 524.8	6.21e4	6.21e4	1.000	4.31	4.11	12.5	12.5	100.0

50-150

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 12:55:08 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:05:40 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-10-12-17.mdb 12 Oct 2017 12:38:07
Calibration: 17 Oct 2017 12:55:08

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
1	171016M4_7	ST171016M4-6 PFC CS3 17J1602	16-Oct-17	14:41:48
2	171016M4_8	ST171016M4-7 PFC CS4 17J1611	16-Oct-17	14:52:26
3	171016M4_9	ST171016M4-8 PFC CS5 17J1612	16-Oct-17	15:03:05
4	171016M4_10	ST171016M4-9 PFC CS6 17J1613	16-Oct-17	15:13:43
5	171016M4_11	ST171016M4-10 PFC CS7 17J1614	16-Oct-17	15:24:22
6	171016M4_12	IPA	16-Oct-17	15:35:00
7	171016M4_13	ICV171016M4-1 PFC ICV 17J1615	16-Oct-17	15:45:39
8	171016M4_14	B7J0071-BS1 OPR 0.125	16-Oct-17	15:56:28
9	171016M4_15	B7J0071-BSD1 LCS Dup 0.125	16-Oct-17	16:07:12
10	171016M4_16	IPA	16-Oct-17	16:17:59
11	171016M4_17	B7J0071-BLK1 Method Blank 0.125	16-Oct-17	16:28:45
12	171016M4_18	B7J0071-MS1 Matrix Spike 0.125	16-Oct-17	16:39:24
13	171016M4_19	B7J0071-MSD1 Matrix Spike Dup 0.125	16-Oct-17	16:50:10
14	171016M4_20	1701346-01RE1 GALPAB201 0.11861	16-Oct-17	17:00:57
15	171016M4_21	1701346-02RE1 GALP08203 0.11988	16-Oct-17	17:11:43
16	171016M4_22	1701430-02RE1 Foam-6603 Loud 0.00104	16-Oct-17	17:22:30
17	171016M4_23	IPA	16-Oct-17	17:33:08
18	171016M4_24	1701432-02 EB02_20171002 0.125	16-Oct-17	17:43:47
19	171016M4_25	1701432-03 EB03_20171003 0.125	16-Oct-17	17:54:24
20	171016M4_26	1701432-04 EB04_20171003 0.125	16-Oct-17	18:05:03
21	171016M4_27	1701432-05 EB05_20171004 0.125	16-Oct-17	18:15:41
22	171016M4_28	1701432-06 Site 3-GW-03GW01-20171004 0....	16-Oct-17	18:26:30
23	171016M4_29	1701432-08 Site 4-GW-04GW03-20171004 0....	16-Oct-17	18:37:33
24	171016M4_30	1701432-10 Site 4-GW-04GW02-20171004 0....	16-Oct-17	18:48:19
25	171016M4_31	1701432-12 EB06_20171005 0.125	16-Oct-17	18:59:06
26	171016M4_32	1701432-13 Site 3-GW-MW1-20171005 0.125	16-Oct-17	19:09:45
27	171016M4_33	1701432-18 Site 3-GW-03GW03-20171005 0....	16-Oct-17	19:20:31
28	171016M4_34	1701299-01RE1@20XAir Force Beach Foam	16-Oct-17	19:31:17
29	171016M4_35	IPA	16-Oct-17	19:42:04
30	171016M4_36	ST171016M4-11 PFC CS3 17J1602	16-Oct-17	19:52:42
31	171016M4_37	IPA	16-Oct-17	20:03:21
32	171016M4_38	B7J0067-BS1 OPR 0.25	16-Oct-17	20:14:07

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 12:55:08 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:05:40 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
33	171016M4_39	IPA	16-Oct-17	20:24:53
34	171016M4_40	B7J0067-BLK1 Method Blank 0.25	16-Oct-17	20:35:32
35	171016M4_41	1701404-01 RI17-DW1-100217 0.24438	16-Oct-17	20:46:10
36	171016M4_42	1701404-02 RI17-EB#2345-100217 0.25361	16-Oct-17	20:56:57
37	171016M4_43	1701404-03 RI17-MW23-(4-9)-100217-Dup 0....	16-Oct-17	21:07:35
38	171016M4_44	1701404-04 RI17-MW23-(4-9)-100217 0.23249	16-Oct-17	21:18:13
39	171016M4_45	1701404-05 RI17-EB#5006-100217 0.25299	16-Oct-17	21:28:52
40	171016M4_46	1701404-06 RI17-EB Tubing (100217) 0.25212	16-Oct-17	21:39:30
41	171016M4_47	1701404-07 RI17-FRB1-100217 0.24866	16-Oct-17	21:50:16
42	171016M4_48	1701404-08 RI17-MW23-(21-22)-100217 0.24...	16-Oct-17	22:00:55
43	171016M4_49	1701404-09 RI17-MW22-(7-12)-100217 0.24717	16-Oct-17	22:11:34
44	171016M4_50	1701404-10 RI17-MW22 (25-26)-100217 0.24...	16-Oct-17	22:22:12
45	171016M4_51	1701404-11 RI17-MW21-(3-8)-100217 0.24712	16-Oct-17	22:32:50
46	171016M4_52	1701404-12 RI17-MW21-(12.5-13.5)-100217 0...	16-Oct-17	22:43:29
47	171016M4_53	1701404-13 RI17-MW11-(21-22)-100217 0.2514	16-Oct-17	22:54:15
48	171016M4_54	1701404-14 RI17-MW11-(30-31)-100217 0.25...	16-Oct-17	23:04:54
49	171016M4_55	IPA	16-Oct-17	23:15:32
50	171016M4_56	ST171016M4-12 PFC CS3 17J1602	16-Oct-17	23:26:10
51	171016M4_57	IPA	16-Oct-17	23:36:49
52	171016M4_58	1701404-15 RI17-MW11-(42-43)-100217 0.24...	16-Oct-17	23:47:35
53	171016M4_59	1701404-16 RI17-MW15-(17-18)-100217 0.25...	16-Oct-17	23:58:13
54	171016M4_60	1701404-17 RI17-MW15-(27-28)-100217 0.24...	17-Oct-17	00:08:52
55	171016M4_61	1701404-18 RI17-MW15-(37-38)-100217 0.25...	17-Oct-17	00:19:30
56	171016M4_62	1701404-19 RI17-MW15-(47-48)-100217 0.24...	17-Oct-17	00:30:08
57	171016M4_63	1701404-20 RI17-MW11-(52-53)-100217 0.23...	17-Oct-17	00:40:52
58	171016M4_64	1701301-05 RI17-MW-8 (27.5-28.5)-092017 0....	17-Oct-17	00:51:46
59	171016M4_65	B7J0083-BS1 OPR 0.25	17-Oct-17	01:02:36
60	171016M4_66	B7J0084-BS1 OPR 0.125	17-Oct-17	01:13:15
61	171016M4_67	B7J0087-BS1@250X OPR 0.001	17-Oct-17	01:23:54
62	171016M4_68	IPA	17-Oct-17	01:34:32
63	171016M4_69	ST171016M4-13 PFC CS0 17J1603	17-Oct-17	01:45:10
64	171016M4_70	IPA	17-Oct-17	01:55:49
65	171016M4_71	B7J0083-BLK1 Method Blank 0.25	17-Oct-17	02:06:35
66	171016M4_72	B7J0084-BLK1 Method Blank 0.125	17-Oct-17	02:17:14
67	171016M4_73	B7J0087-BLK1@250X Method Blank 0.001	17-Oct-17	02:27:52
68	171016M4_74	1701426-01 WT1710050815JNR 0.25543	17-Oct-17	02:38:31

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 12:55:08 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:05:40 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
69	171016M4_75	1701426-02 SW1710051320JNR 0.24192	17-Oct-17	02:49:16
70	171016M4_76	1701426-03 SW1710051340JNR 0.24436	17-Oct-17	02:59:55
71	171016M4_77	1701426-06 SW1710050900JNR 0.24007	17-Oct-17	03:10:33
72	171016M4_78	1701426-07 SW1710050900MK 0.23896	17-Oct-17	03:21:12
73	171016M4_79	1701426-08 WR1710051020JNR 0.24992	17-Oct-17	03:31:50
74	171016M4_80	1701426-09 FB1710051025JNR 0.2515	17-Oct-17	03:42:37
75	171016M4_81	1701426-10 WR1710051110JNR 0.25042	17-Oct-17	03:53:15
76	171016M4_82	1701426-11 WR1710051135JNR 0.2495	17-Oct-17	04:04:02
77	171016M4_83	1701426-04 FOAM1710050900MK 0.00115	17-Oct-17	04:14:48
78	171016M4_84	IPA	17-Oct-17	04:25:26
79	171016M4_85	ST171016M4-14 PFC CS3 17J1602	17-Oct-17	04:36:05
80	171016M4_86	IPA	17-Oct-17	04:46:51
81	171016M4_87	1701426-05 FOAM1710050900JNR 0.00104	17-Oct-17	04:57:30
82	171016M4_88	IPA	17-Oct-17	05:08:08
83	171016M4_89	1701322-08RE2@250X JFOSS-GW-TW06-09...	17-Oct-17	05:18:46
84	171016M4_90	IPA	17-Oct-17	05:29:25
85	171016M4_91	1701322-10RE2@500X JFOSS-GW-TW13-09...	17-Oct-17	05:40:03
86	171016M4_92	IPA	17-Oct-17	05:50:41
87	171016M4_93	ST171016M4-15 PFC CS3 17J1602	17-Oct-17	06:01:20
88	171016M4_94	IPA	17-Oct-17	06:12:06
89	171016M4_95	B7J0080-BS1 OPR 1	17-Oct-17	06:22:48
90	171016M4_96	B7J0080-BSD1 LCS Dup 1	17-Oct-17	06:33:32
91	171016M4_97	IPA	17-Oct-17	06:44:10
92	171016M4_98	B7J0080-BLK1 Method Blank 1	17-Oct-17	06:54:49
93	171016M4_99	B7J0080-MS1 Matrix Spike 1	17-Oct-17	07:05:32
94	171016M4_100	B7J0080-MSD1 Matrix Spike Dup 1	17-Oct-17	07:16:47
95	171016M4_101	1701373-01 GALP08204 1	17-Oct-17	07:27:42
96	171016M4_102	1701373-02 GALP08205 1	17-Oct-17	07:38:20
97	171016M4_103	1701373-03 GALP08207 1	17-Oct-17	07:48:59
98	171016M4_104	1701373-04 GALP08208 1	17-Oct-17	07:59:45
99	171016M4_105	1701373-05 GALP08210 1	17-Oct-17	08:10:24
100	171016M4_106	1701373-06 GALP08211 1	17-Oct-17	08:21:11
101	171016M4_107	1701373-07 GALP08212 1	17-Oct-17	08:31:49
102	171016M4_108	1701373-08 GALP08213 1	17-Oct-17	08:42:36
103	171016M4_109	1701392-01 OF-1N Mix 1	17-Oct-17	08:53:15
104	171016M4_110	1701407-11 Lagoon 2 Sludge 1	17-Oct-17	09:03:53

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 12:55:08 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 13:05:40 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
105	171016M4_111	IPA	17-Oct-17	09:14:36
106	171016M4_112	ST171016M4-16 PFC CS3 17J1602	17-Oct-17	09:25:18
107	171016M4_113	IPA	17-Oct-17	09:35:56
108	171016M4_114	1701407-11RE1 Lagoon 2 Sludge 1	17-Oct-17	09:46:34
109	171016M4_115	1701407-12 Lagoon 1 Sludge 1	17-Oct-17	09:57:21
110	171016M4_116	1701407-12RE1 Lagoon 1 Sludge 1	17-Oct-17	10:08:19
111	171016M4_117	1701407-13 Sludge Lagoon 1	17-Oct-17	10:19:37
112	171016M4_118	1701438-01 Outfall 1 1	17-Oct-17	10:30:30
113	171016M4_119	1701438-02 Outfall 2 1	17-Oct-17	10:41:10
114	171016M4_120	IPA	17-Oct-17	10:51:48
115	171016M4_121	ST171016M4-17 PFC CS3 17J1602	17-Oct-17	11:02:26
116	171016M4_122	IPA	17-Oct-17	11:13:05

LC Calibration Standards Review Checklist Q4

		ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	NA
Calibration ID: STI 7/0116M4-11	L (M) H	N/A	☑	☑	☑	☑	☑	☐
Calibration ID: -12	L (M) H	☐	☑	☑	☑	☑	☑	☐
Calibration ID: -13	(L) M H	☐	☑ (A)	☑	☑	☑	☑	☐
Calibration ID: -14	L (M) H	☐	☑	☑	☑	☑	☑	☐
Calibration ID: -15	L (M) H	☐	☑	☑	☑	☑	☑	☐
Calibration ID: -16	L (M) H	☐	☑	☑	☑	☑	☑	☐
Calibration ID: -17	L (M) H	☐	☑	☑	☑	☑	☑	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐

Full Mass Cal. Date: 6/21/17

Run Log Present: ☑

# of Samples per Sequence Checked: ☑

Reviewed By: AC 10/17/17
Initials/Date

Comments:
(A) MCFOSAA at 135%.

Full List.

Vista Analytical Laboratory

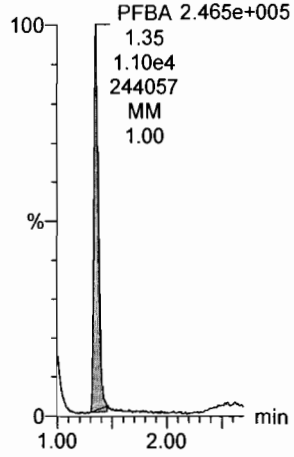
Dataset: U:\Q4.PRO\results\171016M4\171016M4-36.qld

Last Altered: Tuesday, October 17, 2017 11:46:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:47:00 Pacific Daylight Time

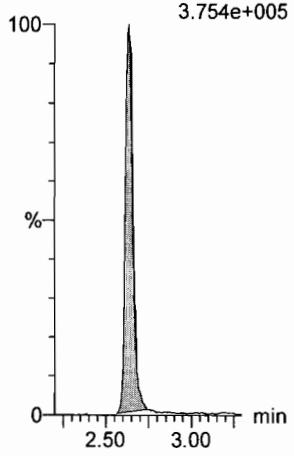
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_36, Date: 16-Oct-2017, Time: 19:52:42, ID: ST171016M4-11 PFC CS3 17J1602, Description: PFC CS3 17J1602

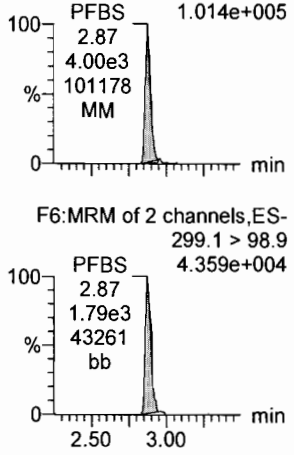
PFBA



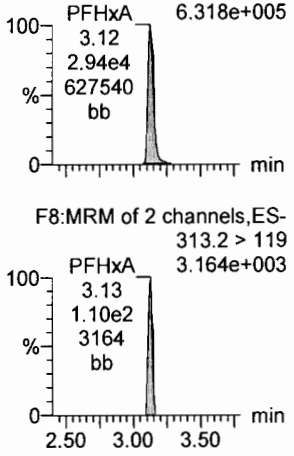
PFPeA



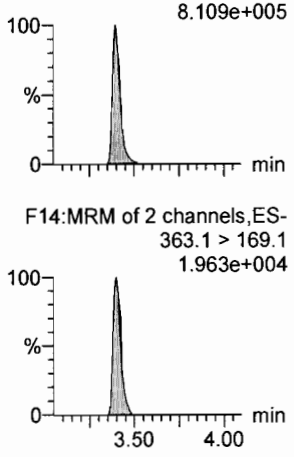
PFBS



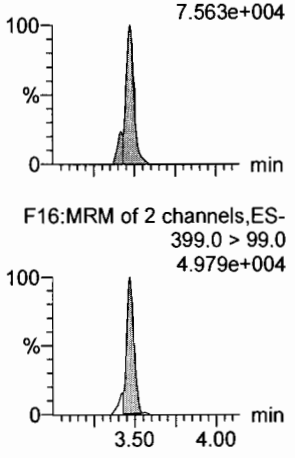
PFHxA



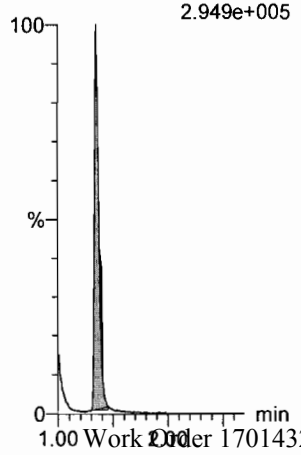
PFHpA



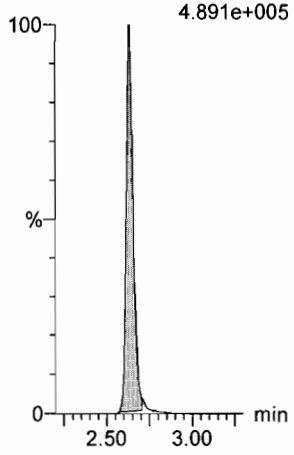
L-PFHxS



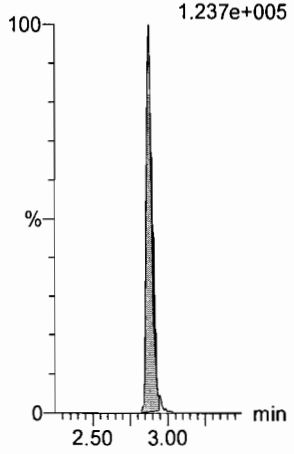
13C3-PFBA



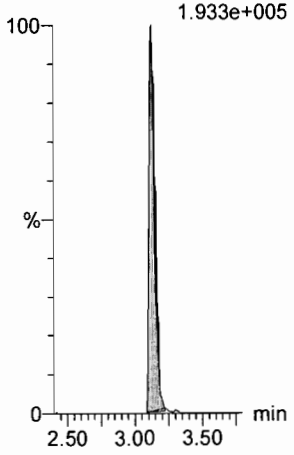
13C3-PFPeA



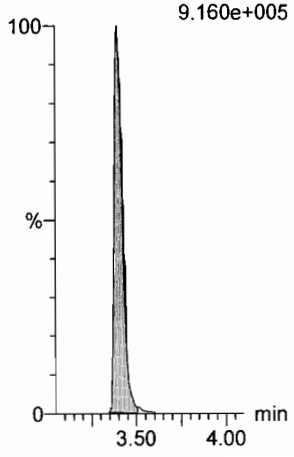
13C3-PFBS



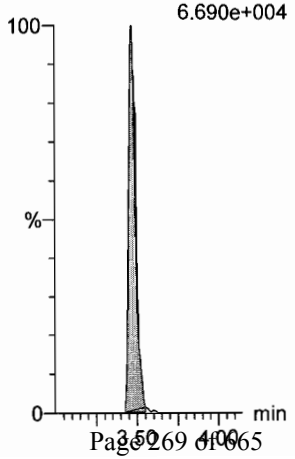
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

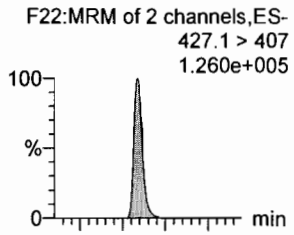


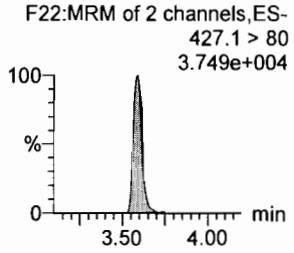
Dataset: U:\Q4.PRO\results\171016M4\171016M4-36.qld

Last Altered: Tuesday, October 17, 2017 11:46:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:47:00 Pacific Daylight Time

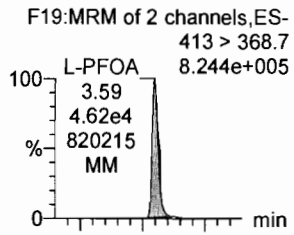
Name: 171016M4_36, Date: 16-Oct-2017, Time: 19:52:42, ID: ST171016M4-11 PFC CS3 17J1602, Description: PFC CS3 17J1602

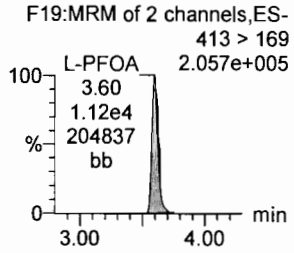
6:2 FTS



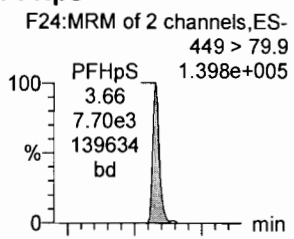


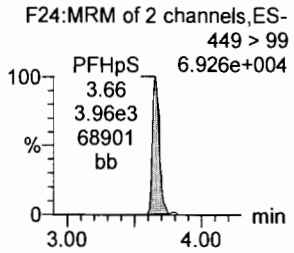
L-PFOA



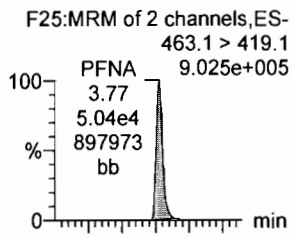


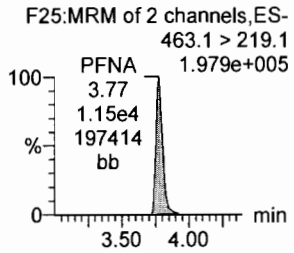
PFHpS



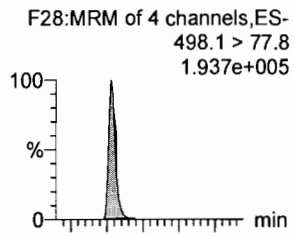


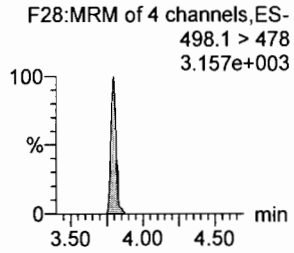
PFNA



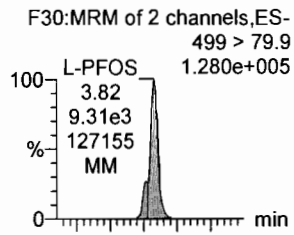


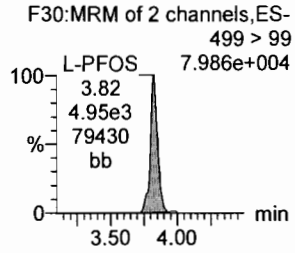
PFOSA



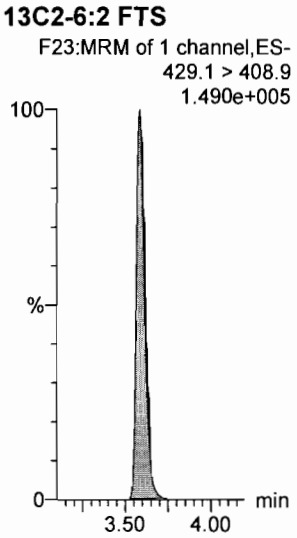


L-PFOS

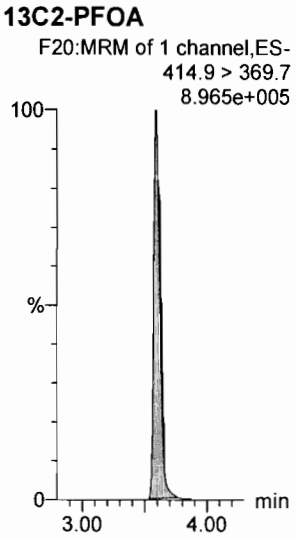




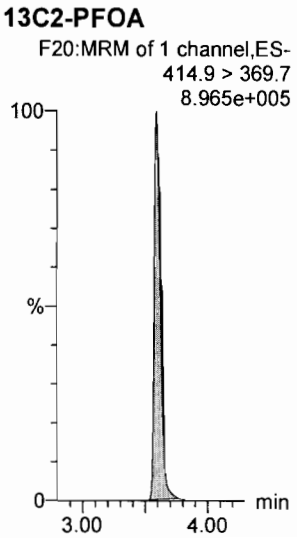
13C2-6:2 FTS



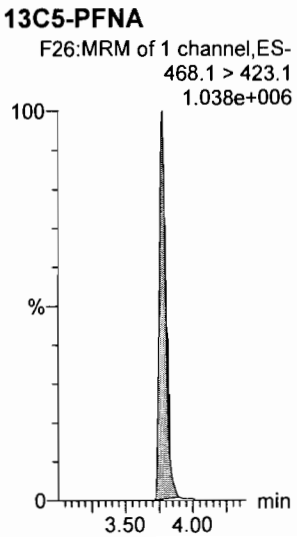
13C2-PFOA



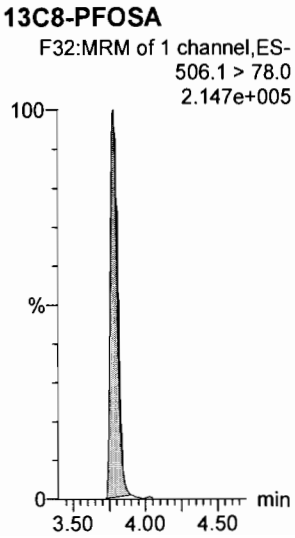
13C2-PFOA



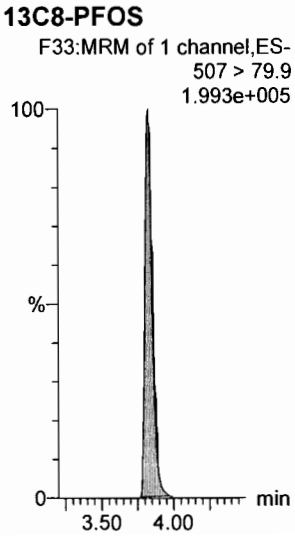
13C5-PFNA



13C8-PFOSA



13C8-PFOS

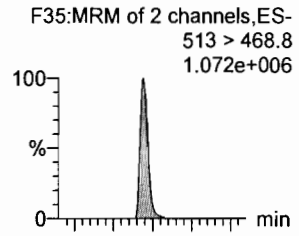


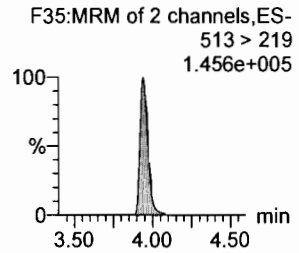
Dataset: U:\Q4.PRO\results\171016M4\171016M4-36.qld

Last Altered: Tuesday, October 17, 2017 11:46:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:47:00 Pacific Daylight Time

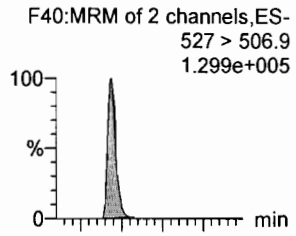
Name: 171016M4_36, Date: 16-Oct-2017, Time: 19:52:42, ID: ST171016M4-11 PFC CS3 17J1602, Description: PFC CS3 17J1602

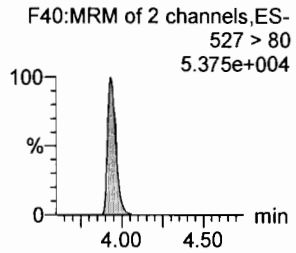
PFDA



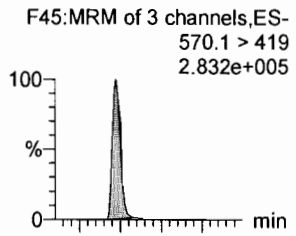


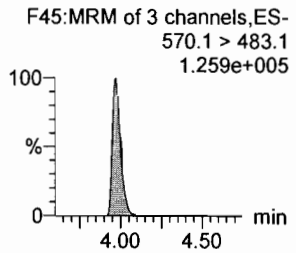
8:2 FTS



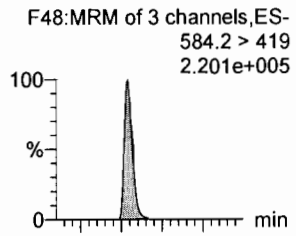


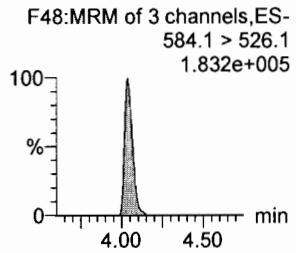
N-MeFOSAA



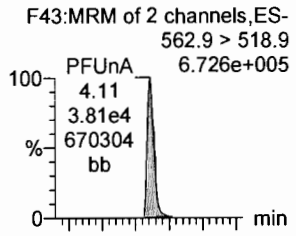


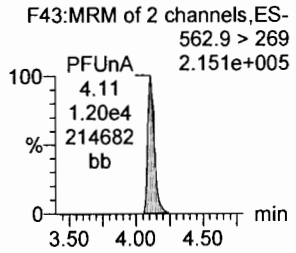
N-EtFOSAA



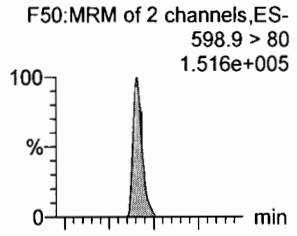


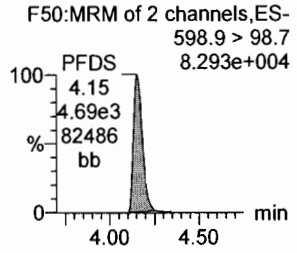
PFUnA



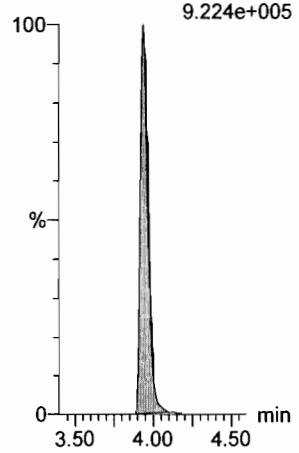


PFDS

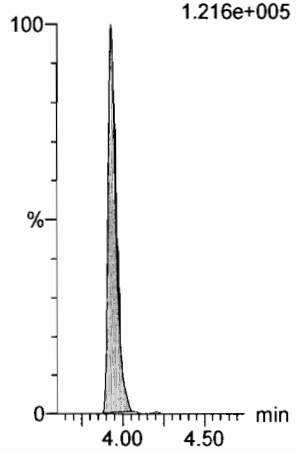




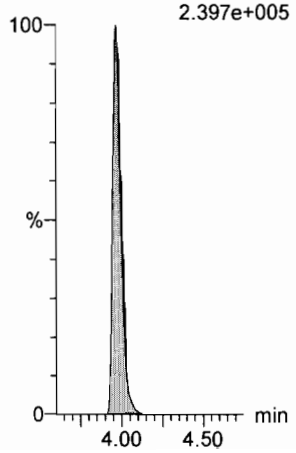
13C2-PFDA



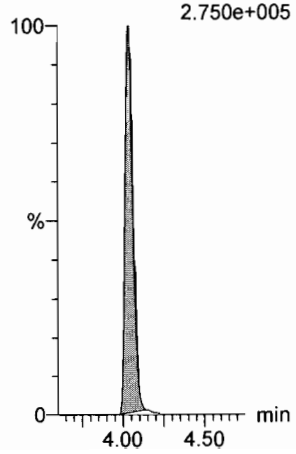
13C2-8:2 FTS



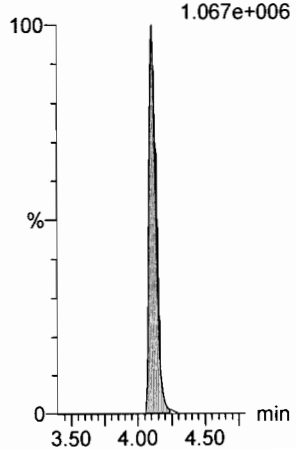
d3-N-MeFOSAA



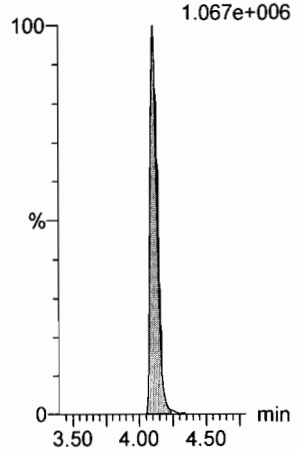
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

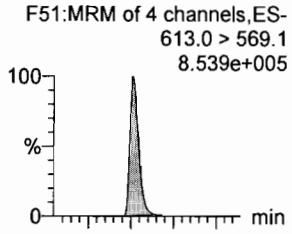


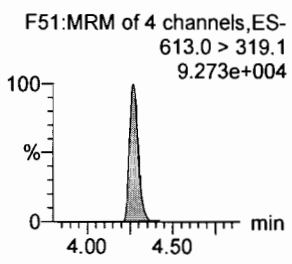
Dataset: U:\Q4.PRO\results\171016M4\171016M4-36.qld

Last Altered: Tuesday, October 17, 2017 11:46:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:47:00 Pacific Daylight Time

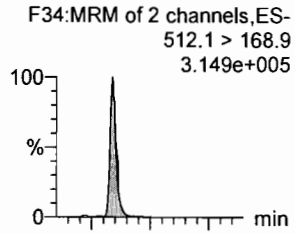
Name: 171016M4_36, Date: 16-Oct-2017, Time: 19:52:42, ID: ST171016M4-11 PFC CS3 17J1602, Description: PFC CS3 17J1602

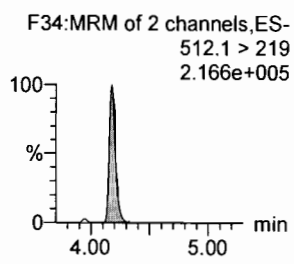
PFDoA



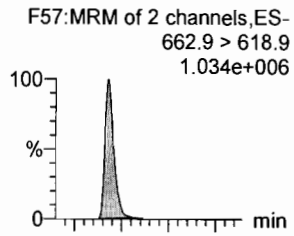


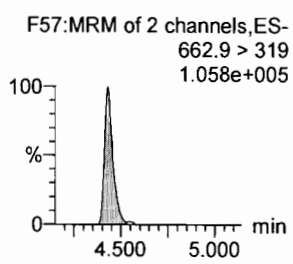
N-MeFOSA



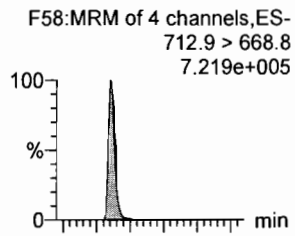


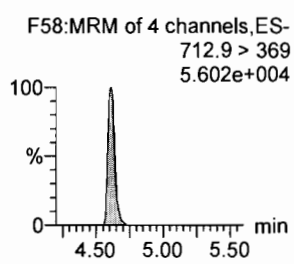
PFTrDA



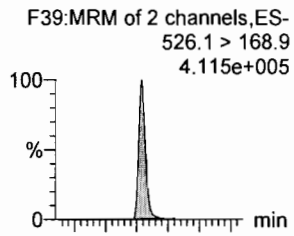


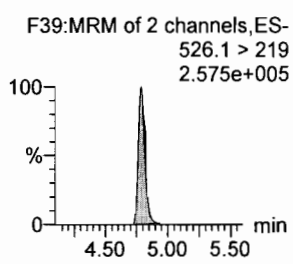
PFTeDA



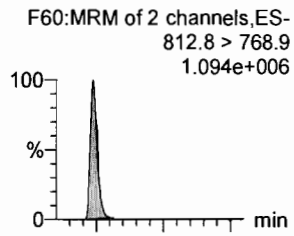


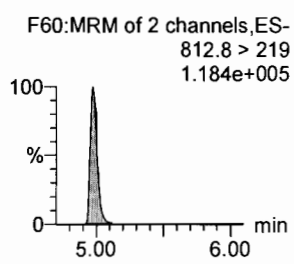
N-EtFOSA



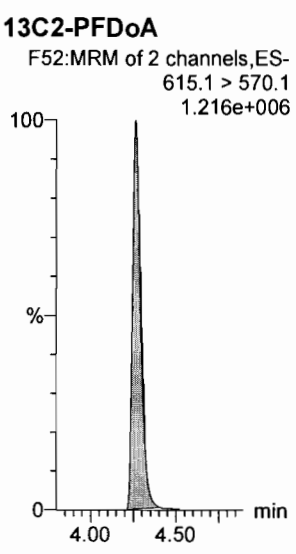


PFHxDA

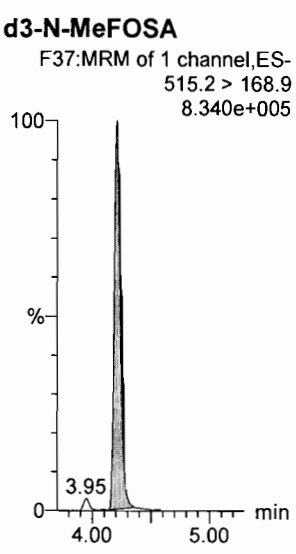




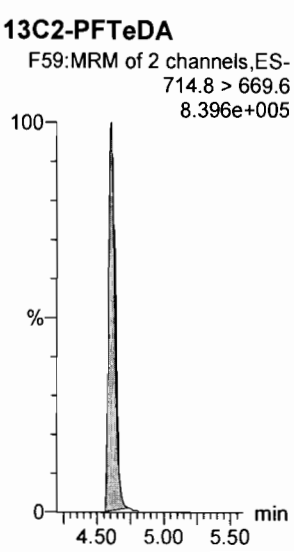
13C2-PFDoA



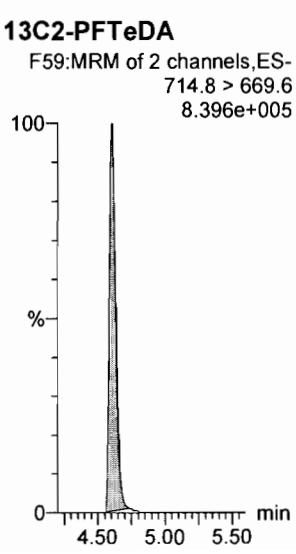
d3-N-MeFOSA



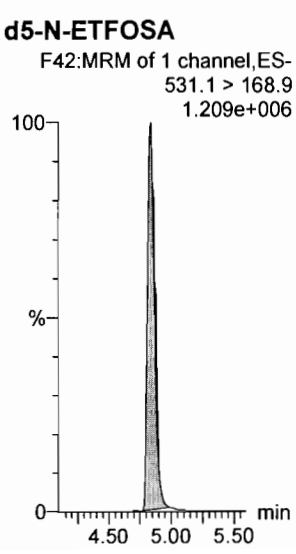
13C2-PFTeDA



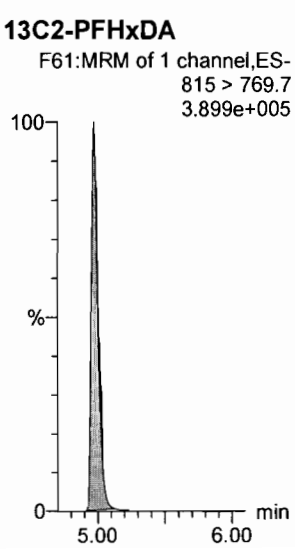
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

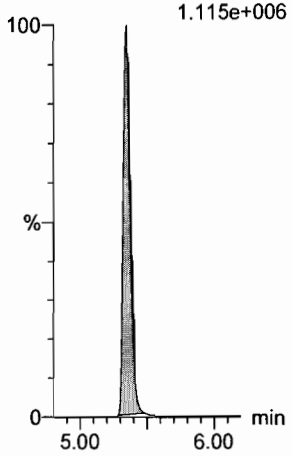


Dataset: U:\Q4.PRO\results\171016M4\171016M4-36.qld

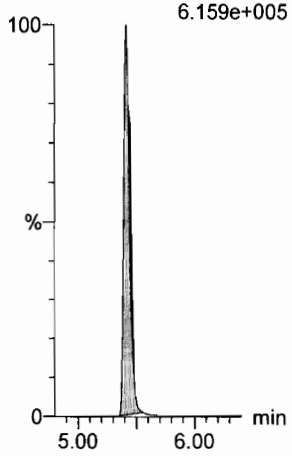
Last Altered: Tuesday, October 17, 2017 11:46:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:47:00 Pacific Daylight Time

Name: 171016M4_36, Date: 16-Oct-2017, Time: 19:52:42, ID: ST171016M4-11 PFC CS3 17J1602, Description: PFC CS3 17J1602

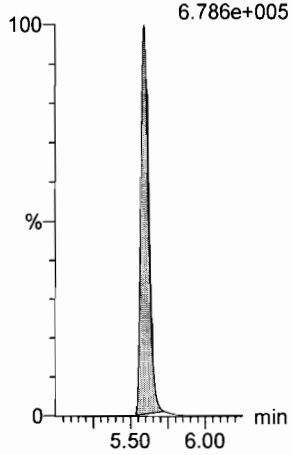
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
1.115e+006



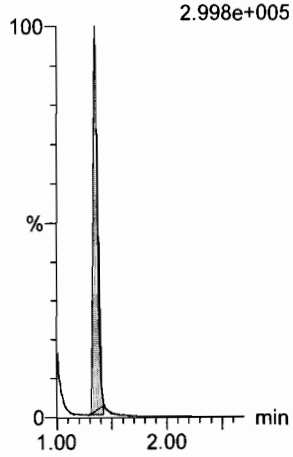
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
6.159e+005



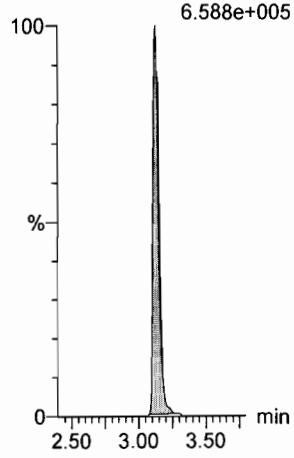
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
6.786e+005



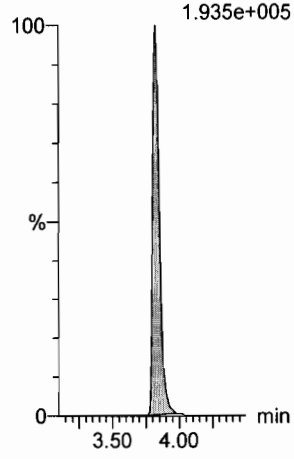
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
2.998e+005



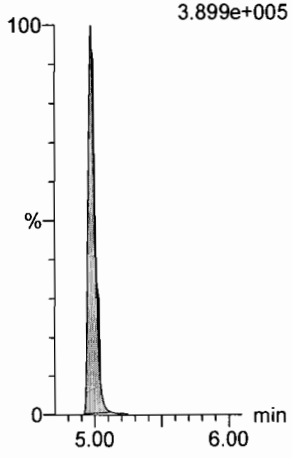
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
6.588e+005



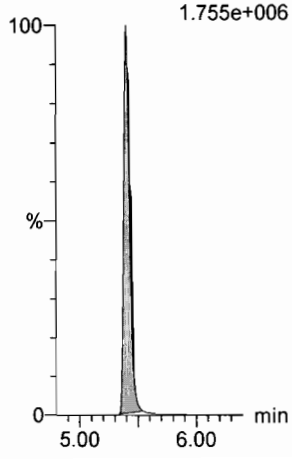
13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
1.935e+005



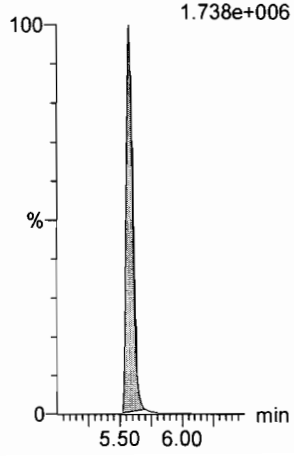
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.899e+005



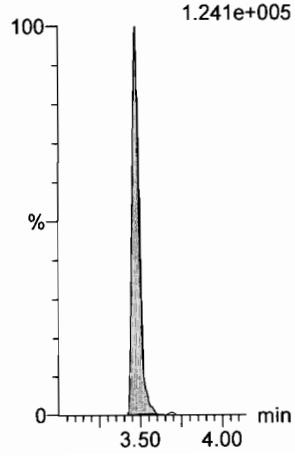
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.755e+006



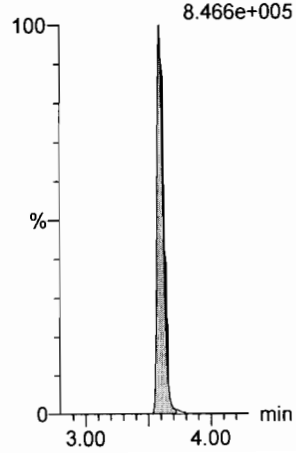
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.738e+006



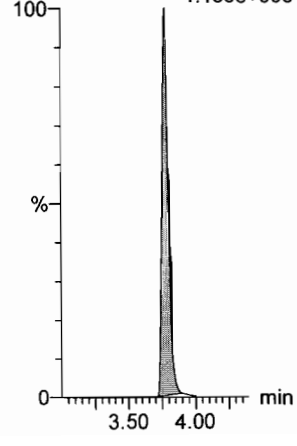
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
1.241e+005



13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
8.466e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
1.186e+006



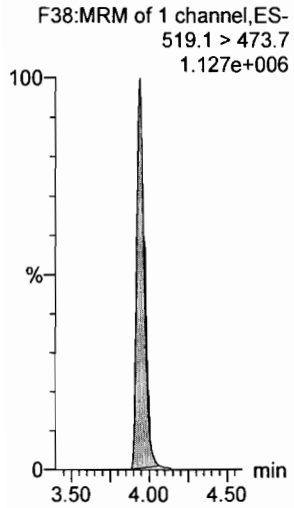
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171016M4\171016M4-36.qld

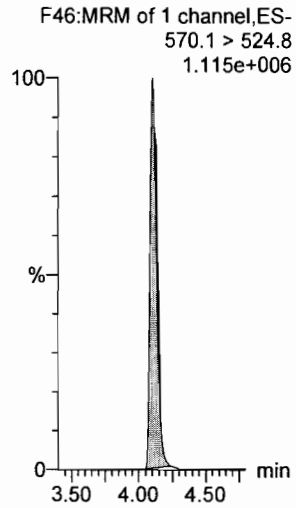
Last Altered: Tuesday, October 17, 2017 11:46:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:47:00 Pacific Daylight Time

Name: 171016M4_36, Date: 16-Oct-2017, Time: 19:52:42, ID: ST171016M4-11 PFC CS3 17J1602, Description: PFC CS3 17J1602

13C6-PFDA



13C7-PFUnA



Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-10-12-17.mdb 12 Oct 2017 12:38:07
Calibration: 18 Oct 2017 15:23:23

Name: 171017M4_2, Date: 17-Oct-2017, Time: 18:00:01, ID: ST171017M2-1 PFC CS0 17J1603, Description: PFC CS0 17J1603

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171017M2-1 PFC CS0 17J1603	1.55e4	100.0	NO
2	2	13C5-PFHxA	ST171017M2-1 PFC CS0 17J1603	3.49e4	100.0	NO
3	3	13C3-PFHxS	ST171017M2-1 PFC CS0 17J1603	8.32e3	100.0	NO
4	4	13C8-PFOA	ST171017M2-1 PFC CS0 17J1603	5.27e4	100.0	NO
5	5	13C9-PFNA	ST171017M2-1 PFC CS0 17J1603	5.98e4	100.0	NO
6	6	13C4-PFOS	ST171017M2-1 PFC CS0 17J1603	1.04e4	100.0	NO
7	7	13C6-PFDA	ST171017M2-1 PFC CS0 17J1603	4.97e4	100.0	NO
8	8	13C7-PFUnA	ST171017M2-1 PFC CS0 17J1603	6.29e4	100.0	NO

Name: 171017M4_3, Date: 17-Oct-2017, Time: 18:10:40, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_4, Date: 17-Oct-2017, Time: 18:21:21, ID: B7J0071-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0071-BS1 OPR 0.125	3.28e4	212.0	YES
2	2	13C5-PFHxA	B7J0071-BS1 OPR 0.125	4.84e4	138.7	NO
3	3	13C3-PFHxS	B7J0071-BS1 OPR 0.125	7.98e3	96.0	NO
4	4	13C8-PFOA	B7J0071-BS1 OPR 0.125	4.35e4	82.6	NO
5	5	13C9-PFNA	B7J0071-BS1 OPR 0.125	4.76e4	79.5	NO
6	6	13C4-PFOS	B7J0071-BS1 OPR 0.125	8.84e3	85.1	NO
7	7	13C6-PFDA	B7J0071-BS1 OPR 0.125	4.89e4	98.3	NO
8	8	13C7-PFUnA	B7J0071-BS1 OPR 0.125	4.54e4	72.2	NO

Name: 171017M4_5, Date: 17-Oct-2017, Time: 18:32:06, ID: B7J0071-BSD1 LCS Dup 0.125, Description: LCS Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0071-BSD1 LCS Dup 0.125	3.42e4	221.3	YES
2	2	13C5-PFHxA	B7J0071-BSD1 LCS Dup 0.125	5.12e4	146.5	NO
3	3	13C3-PFHxS	B7J0071-BSD1 LCS Dup 0.125	8.44e3	101.5	NO
4	4	13C8-PFOA	B7J0071-BSD1 LCS Dup 0.125	4.48e4	85.0	NO
5	5	13C9-PFNA	B7J0071-BSD1 LCS Dup 0.125	4.96e4	82.9	NO
6	6	13C4-PFOS	B7J0071-BSD1 LCS Dup 0.125	9.59e3	92.3	NO
7	7	13C6-PFDA	B7J0071-BSD1 LCS Dup 0.125	5.07e4	102.0	NO
8	8	13C7-PFUnA	B7J0071-BSD1 LCS Dup 0.125	5.31e4	84.4	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_6, Date: 17-Oct-2017, Time: 18:42:44, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_7, Date: 17-Oct-2017, Time: 18:53:31, ID: B7J0071-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0071-BLK1 Method Blank 0.125	3.12e4	201.8	YES
2	2	13C5-PFHxA	B7J0071-BLK1 Method Blank 0.125	4.82e4	137.9	NO
3	3	13C3-PFHxS	B7J0071-BLK1 Method Blank 0.125	8.73e3	105.0	NO
4	4	13C8-PFOA	B7J0071-BLK1 Method Blank 0.125	4.25e4	80.7	NO
5	5	13C9-PFNA	B7J0071-BLK1 Method Blank 0.125	5.26e4	88.0	NO
6	6	13C4-PFOS	B7J0071-BLK1 Method Blank 0.125	9.50e3	91.5	NO
7	7	13C6-PFDA	B7J0071-BLK1 Method Blank 0.125	4.34e4	87.2	NO
8	8	13C7-PFUnA	B7J0071-BLK1 Method Blank 0.125	4.77e4	75.8	NO

Name: 171017M4_8, Date: 17-Oct-2017, Time: 19:04:17, ID: B7J0071-MS1 Matrix Spike 0.125, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0071-MS1 Matrix Spike 0.125	3.19e4	206.1	YES
2	2	13C5-PFHxA	B7J0071-MS1 Matrix Spike 0.125	5.03e4	143.9	NO
3	3	13C3-PFHxS	B7J0071-MS1 Matrix Spike 0.125	8.52e3	102.4	NO
4	4	13C8-PFOA	B7J0071-MS1 Matrix Spike 0.125	4.60e4	87.4	NO
5	5	13C9-PFNA	B7J0071-MS1 Matrix Spike 0.125	4.87e4	81.5	NO
6	6	13C4-PFOS	B7J0071-MS1 Matrix Spike 0.125	1.02e4	97.9	NO
7	7	13C6-PFDA	B7J0071-MS1 Matrix Spike 0.125	4.42e4	88.9	NO
8	8	13C7-PFUnA	B7J0071-MS1 Matrix Spike 0.125	4.84e4	77.1	NO

Name: 171017M4_9, Date: 17-Oct-2017, Time: 19:15:03, ID: B7J0071-MSD1 Matrix Spike Dup 0.125, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0071-MSD1 Matrix Spike Dup 0.125	2.66e4	172.1	YES
2	2	13C5-PFHxA	B7J0071-MSD1 Matrix Spike Dup 0.125	3.76e4	107.5	NO
3	3	13C3-PFHxS	B7J0071-MSD1 Matrix Spike Dup 0.125	6.56e3	78.9	NO
4	4	13C8-PFOA	B7J0071-MSD1 Matrix Spike Dup 0.125	3.83e4	72.6	NO
5	5	13C9-PFNA	B7J0071-MSD1 Matrix Spike Dup 0.125	4.01e4	67.1	NO
6	6	13C4-PFOS	B7J0071-MSD1 Matrix Spike Dup 0.125	7.28e3	70.1	NO
7	7	13C6-PFDA	B7J0071-MSD1 Matrix Spike Dup 0.125	3.64e4	73.1	NO
8	8	13C7-PFUnA	B7J0071-MSD1 Matrix Spike Dup 0.125	4.29e4	68.2	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_10, Date: 17-Oct-2017, Time: 19:25:42, ID: 1701346-01RE1 GALPAB201 0.11861, Description: GALPAB201

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701346-01RE1 GALPAB201 0.11861	3.26e4	211.0	YES
2	2	13C5-PFHxA	1701346-01RE1 GALPAB201 0.11861	4.95e4	141.8	NO
3	3	13C3-PFHxS	1701346-01RE1 GALPAB201 0.11861	8.07e3	97.1	NO
4	4	13C8-PFOA	1701346-01RE1 GALPAB201 0.11861	4.32e4	82.1	NO
5	5	13C9-PFNA	1701346-01RE1 GALPAB201 0.11861	4.84e4	81.0	NO
6	6	13C4-PFOS	1701346-01RE1 GALPAB201 0.11861	9.45e3	91.0	NO
7	7	13C6-PFDA	1701346-01RE1 GALPAB201 0.11861	4.04e4	81.2	NO
8	8	13C7-PFUnA	1701346-01RE1 GALPAB201 0.11861	4.33e4	68.9	NO

Name: 171017M4_11, Date: 17-Oct-2017, Time: 19:36:43, ID: 1701346-02RE1 GALP08203 0.11988, Description: GALP08203

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701346-02RE1 GALP08203 0.11988	3.60e4	232.7	YES
2	2	13C5-PFHxA	1701346-02RE1 GALP08203 0.11988	5.37e4	153.8	YES
3	3	13C3-PFHxS	1701346-02RE1 GALP08203 0.11988	8.79e3	105.7	NO
4	4	13C8-PFOA	1701346-02RE1 GALP08203 0.11988	4.74e4	90.0	NO
5	5	13C9-PFNA	1701346-02RE1 GALP08203 0.11988	5.36e4	89.6	NO
6	6	13C4-PFOS	1701346-02RE1 GALP08203 0.11988	9.81e3	94.4	NO
7	7	13C6-PFDA	1701346-02RE1 GALP08203 0.11988	4.90e4	98.5	NO
8	8	13C7-PFUnA	1701346-02RE1 GALP08203 0.11988	5.51e4	87.7	NO

Name: 171017M4_12, Date: 17-Oct-2017, Time: 19:47:48, ID: 1701432-02 EB02_20171002 0.125, Description: EB02_20171002

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-02 EB02_20171002 0.125	3.03e4	196.0	YES
2	2	13C5-PFHxA	1701432-02 EB02_20171002 0.125	4.66e4	133.4	NO
3	3	13C3-PFHxS	1701432-02 EB02_20171002 0.125	7.70e3	92.6	NO
4	4	13C8-PFOA	1701432-02 EB02_20171002 0.125	3.74e4	71.1	NO
5	5	13C9-PFNA	1701432-02 EB02_20171002 0.125	4.73e4	79.0	NO
6	6	13C4-PFOS	1701432-02 EB02_20171002 0.125	8.47e3	81.6	NO
7	7	13C6-PFDA	1701432-02 EB02_20171002 0.125	3.69e4	74.1	NO
8	8	13C7-PFUnA	1701432-02 EB02_20171002 0.125	4.38e4	69.7	NO

Name: 171017M4_13, Date: 17-Oct-2017, Time: 19:58:34, ID: 1701432-03 EB03_20171003 0.125, Description: EB03_20171003

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-03 EB03_20171003 0.125	2.77e4	179.1	YES
2	2	13C5-PFHxA	1701432-03 EB03_20171003 0.125	4.13e4	118.2	NO
3	3	13C3-PFHxS	1701432-03 EB03_20171003 0.125	6.52e3	78.4	NO
4	4	13C8-PFOA	1701432-03 EB03_20171003 0.125	3.76e4	71.4	NO
5	5	13C9-PFNA	1701432-03 EB03_20171003 0.125	3.88e4	64.9	NO
6	6	13C4-PFOS	1701432-03 EB03_20171003 0.125	7.71e3	74.2	NO
7	7	13C6-PFDA	1701432-03 EB03_20171003 0.125	3.67e4	73.8	NO
8	8	13C7-PFUnA	1701432-03 EB03_20171003 0.125	3.81e4	60.6	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_14, Date: 17-Oct-2017, Time: 20:09:13, ID: 1701432-04 EB04_20171003 0.125, Description: EB04_20171003

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-04 EB04_20171003 0.125	2.87e4	185.2	YES
2	2	13C5-PFHxA	1701432-04 EB04_20171003 0.125	4.21e4	120.6	NO
3	3	13C3-PFHxS	1701432-04 EB04_20171003 0.125	6.96e3	83.6	NO
4	4	13C8-PFOA	1701432-04 EB04_20171003 0.125	3.69e4	70.1	NO
5	5	13C9-PFNA	1701432-04 EB04_20171003 0.125	4.18e4	69.9	NO
6	6	13C4-PFOS	1701432-04 EB04_20171003 0.125	7.83e3	75.4	NO
7	7	13C6-PFDA	1701432-04 EB04_20171003 0.125	3.98e4	80.0	NO
8	8	13C7-PFUnA	1701432-04 EB04_20171003 0.125	3.64e4	58.0	NO

Name: 171017M4_15, Date: 17-Oct-2017, Time: 20:19:51, ID: 1701432-05 EB05_20171004 0.125, Description: EB05_20171004

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-05 EB05_20171004 0.125	3.09e4	200.0	YES
2	2	13C5-PFHxA	1701432-05 EB05_20171004 0.125	4.26e4	122.0	NO
3	3	13C3-PFHxS	1701432-05 EB05_20171004 0.125	7.52e3	90.5	NO
4	4	13C8-PFOA	1701432-05 EB05_20171004 0.125	3.95e4	74.9	NO
5	5	13C9-PFNA	1701432-05 EB05_20171004 0.125	4.30e4	71.9	NO
6	6	13C4-PFOS	1701432-05 EB05_20171004 0.125	8.40e3	80.9	NO
7	7	13C6-PFDA	1701432-05 EB05_20171004 0.125	4.39e4	88.2	NO
8	8	13C7-PFUnA	1701432-05 EB05_20171004 0.125	4.61e4	73.4	NO

Name: 171017M4_16, Date: 17-Oct-2017, Time: 20:30:39, ID: 1701432-06 Site 3-GW-03GW01-20171004 0.125, Description: Site 3-GW-03GW01-20171004

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-06 Site 3-GW-03GW01-20171...	2.45e4	158.3	YES
2	2	13C5-PFHxA	1701432-06 Site 3-GW-03GW01-20171...	3.67e4	104.9	NO
3	3	13C3-PFHxS	1701432-06 Site 3-GW-03GW01-20171...	8.24e3	99.0	NO
4	4	13C8-PFOA	1701432-06 Site 3-GW-03GW01-20171...	3.14e4	59.7	NO
5	5	13C9-PFNA	1701432-06 Site 3-GW-03GW01-20171...	3.83e4	64.1	NO
6	6	13C4-PFOS	1701432-06 Site 3-GW-03GW01-20171...	8.28e3	79.7	NO
7	7	13C6-PFDA	1701432-06 Site 3-GW-03GW01-20171...	3.58e4	71.9	NO
8	8	13C7-PFUnA	1701432-06 Site 3-GW-03GW01-20171...	3.80e4	60.5	NO

Name: 171017M4_17, Date: 17-Oct-2017, Time: 20:41:24, ID: 1701432-10 Site 4-GW-04GW02-20171004 0.125, Description: Site 4-GW-04GW02-20171004

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-10 Site 4-GW-04GW02-20171...	3.04e4	196.5	YES
2	2	13C5-PFHxA	1701432-10 Site 4-GW-04GW02-20171...	4.60e4	131.8	NO
3	3	13C3-PFHxS	1701432-10 Site 4-GW-04GW02-20171...	8.11e3	97.5	NO
4	4	13C8-PFOA	1701432-10 Site 4-GW-04GW02-20171...	3.88e4	73.6	NO
5	5	13C9-PFNA	1701432-10 Site 4-GW-04GW02-20171...	4.71e4	78.8	NO
6	6	13C4-PFOS	1701432-10 Site 4-GW-04GW02-20171...	1.01e4	96.9	NO
7	7	13C6-PFDA	1701432-10 Site 4-GW-04GW02-20171...	4.40e4	88.4	NO
8	8	13C7-PFUnA	1701432-10 Site 4-GW-04GW02-20171...	4.53e4	72.0	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_18, Date: 17-Oct-2017, Time: 20:52:02, ID: 1701432-12 EB06_20171005 0.125, Description: EB06_20171005

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-12 EB06_20171005 0.125	2.94e4	190.2	YES
2	2	13C5-PFHxA	1701432-12 EB06_20171005 0.125	4.72e4	135.1	NO
3	3	13C3-PFHxS	1701432-12 EB06_20171005 0.125	7.44e3	89.4	NO
4	4	13C8-PFOA	1701432-12 EB06_20171005 0.125	3.86e4	73.2	NO
5	5	13C9-PFNA	1701432-12 EB06_20171005 0.125	4.03e4	67.4	NO
6	6	13C4-PFOS	1701432-12 EB06_20171005 0.125	8.58e3	82.6	NO
7	7	13C6-PFDA	1701432-12 EB06_20171005 0.125	4.14e4	83.2	NO
8	8	13C7-PFUnA	1701432-12 EB06_20171005 0.125	3.88e4	61.7	NO

Name: 171017M4_19, Date: 17-Oct-2017, Time: 21:02:49, ID: 1701432-13 Site 3-GW-MW1-20171005 0.125, Description: Site 3-GW-MW1-20171005

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-13 Site 3-GW-MW1-20171005...	2.79e4	180.3	YES
2	2	13C5-PFHxA	1701432-13 Site 3-GW-MW1-20171005...	4.22e4	120.9	NO
3	3	13C3-PFHxS	1701432-13 Site 3-GW-MW1-20171005...	7.67e3	92.3	NO
4	4	13C8-PFOA	1701432-13 Site 3-GW-MW1-20171005...	3.54e4	67.2	NO
5	5	13C9-PFNA	1701432-13 Site 3-GW-MW1-20171005...	4.52e4	75.5	NO
6	6	13C4-PFOS	1701432-13 Site 3-GW-MW1-20171005...	9.72e3	93.6	NO
7	7	13C6-PFDA	1701432-13 Site 3-GW-MW1-20171005...	3.75e4	75.3	NO
8	8	13C7-PFUnA	1701432-13 Site 3-GW-MW1-20171005...	4.52e4	71.9	NO

Name: 171017M4_20, Date: 17-Oct-2017, Time: 21:13:36, ID: 1701432-18@5X Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-18@5X Site 3-GW-03GW03-2...	5.23e3	33.8	YES
2	2	13C5-PFHxA	1701432-18@5X Site 3-GW-03GW03-2...	1.22e4	35.0	YES
3	3	13C3-PFHxS	1701432-18@5X Site 3-GW-03GW03-2...	2.00e3	24.1	YES
4	4	13C8-PFOA	1701432-18@5X Site 3-GW-03GW03-2...	9.79e3	18.6	YES
5	5	13C9-PFNA	1701432-18@5X Site 3-GW-03GW03-2...	1.39e4	23.2	YES
6	6	13C4-PFOS	1701432-18@5X Site 3-GW-03GW03-2...	2.70e3	26.0	YES
7	7	13C6-PFDA	1701432-18@5X Site 3-GW-03GW03-2...	1.23e4	24.8	YES
8	8	13C7-PFUnA	1701432-18@5X Site 3-GW-03GW03-2...	1.30e4	20.7	YES

Name: 171017M4_21, Date: 17-Oct-2017, Time: 21:24:22, ID: 1701432-18 Site 3-GW-03GW03-20171005 0.125, Description: Site 3-GW-03GW03-20171005

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-18 Site 3-GW-03GW03-20171...	2.91e4	187.9	YES
2	2	13C5-PFHxA	1701432-18 Site 3-GW-03GW03-20171...	4.04e4	115.6	NO
3	3	13C3-PFHxS	1701432-18 Site 3-GW-03GW03-20171...	6.86e3	82.5	NO
4	4	13C8-PFOA	1701432-18 Site 3-GW-03GW03-20171...	2.88e4	54.7	NO
5	5	13C9-PFNA	1701432-18 Site 3-GW-03GW03-20171...	4.11e4	68.7	NO
6	6	13C4-PFOS	1701432-18 Site 3-GW-03GW03-20171...	7.26e3	69.9	NO
7	7	13C6-PFDA	1701432-18 Site 3-GW-03GW03-20171...	3.80e4	76.4	NO
8	8	13C7-PFUnA	1701432-18 Site 3-GW-03GW03-20171...	4.71e4	74.9	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_22, Date: 17-Oct-2017, Time: 21:35:08, ID: 1701430-02RE1@5X Foam-6603 Loud 0.00104, Description: Foam-6603 Loud

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701430-02RE1@5X Foam-6603 Loud ...	5.77e3	37.3	YES
2	2	13C5-PFHxA	1701430-02RE1@5X Foam-6603 Loud ...	1.52e4	43.5	YES
3	3	13C3-PFHxS	1701430-02RE1@5X Foam-6603 Loud ...	2.39e3	28.8	YES
4	4	13C8-PFOA	1701430-02RE1@5X Foam-6603 Loud ...	1.29e4	24.5	YES
5	5	13C9-PFNA	1701430-02RE1@5X Foam-6603 Loud ...	1.47e4	24.6	YES
6	6	13C4-PFOS	1701430-02RE1@5X Foam-6603 Loud ...	2.66e3	25.6	YES
7	7	13C6-PFDA	1701430-02RE1@5X Foam-6603 Loud ...	1.36e4	27.3	YES
8	8	13C7-PFUnA	1701430-02RE1@5X Foam-6603 Loud ...	1.38e4	22.0	YES

Name: 171017M4_23, Date: 17-Oct-2017, Time: 21:45:47, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA	6.66e0	0.0	NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_24, Date: 17-Oct-2017, Time: 21:56:33, ID: ST171017M4-2 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171017M4-2 PFC CS3 17J1602	1.45e4	93.9	NO
2	2	13C5-PFHxA	ST171017M4-2 PFC CS3 17J1602	3.47e4	99.3	NO
3	3	13C3-PFHxS	ST171017M4-2 PFC CS3 17J1602	6.79e3	81.7	NO
4	4	13C8-PFOA	ST171017M4-2 PFC CS3 17J1602	5.08e4	96.5	NO
5	5	13C9-PFNA	ST171017M4-2 PFC CS3 17J1602	6.16e4	103.0	NO
6	6	13C4-PFOS	ST171017M4-2 PFC CS3 17J1602	1.22e4	117.5	NO
7	7	13C6-PFDA	ST171017M4-2 PFC CS3 17J1602	5.61e4	112.8	NO
8	8	13C7-PFUnA	ST171017M4-2 PFC CS3 17J1602	5.36e4	85.3	NO

Name: 171017M4_25, Date: 17-Oct-2017, Time: 22:07:19, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA	7.35e0	0.0	NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_26, Date: 17-Oct-2017, Time: 22:18:00, ID: B7J0087-BS1@250X OPR 0.001, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0087-BS1@250X OPR 0.001	3.85e4	249.0	YES
2	2	13C5-PFHxA	B7J0087-BS1@250X OPR 0.001	5.60e4	160.3	YES
3	3	13C3-PFHxS	B7J0087-BS1@250X OPR 0.001	9.14e3	109.9	NO
4	4	13C8-PFOA	B7J0087-BS1@250X OPR 0.001	4.49e4	85.3	NO
5	5	13C9-PFNA	B7J0087-BS1@250X OPR 0.001	5.81e4	97.2	NO
6	6	13C4-PFOS	B7J0087-BS1@250X OPR 0.001	1.04e4	99.8	NO
7	7	13C6-PFDA	B7J0087-BS1@250X OPR 0.001	4.32e4	86.8	NO
8	8	13C7-PFUnA	B7J0087-BS1@250X OPR 0.001	4.29e4	68.3	NO

Name: 171017M4_27, Date: 17-Oct-2017, Time: 22:28:59, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_28, Date: 17-Oct-2017, Time: 22:39:37, ID: B7J0087-BLK1@250X Method Blank 0.001, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0087-BLK1@250X Method Blank 0....	3.32e4	214.6	YES
2	2	13C5-PFHxA	B7J0087-BLK1@250X Method Blank 0....	5.49e4	157.2	YES
3	3	13C3-PFHxS	B7J0087-BLK1@250X Method Blank 0....	8.95e3	107.6	NO
4	4	13C8-PFOA	B7J0087-BLK1@250X Method Blank 0....	4.71e4	89.5	NO
5	5	13C9-PFNA	B7J0087-BLK1@250X Method Blank 0....	5.17e4	86.4	NO
6	6	13C4-PFOS	B7J0087-BLK1@250X Method Blank 0....	1.06e4	102.4	NO
7	7	13C6-PFDA	B7J0087-BLK1@250X Method Blank 0....	3.97e4	79.9	NO
8	8	13C7-PFUnA	B7J0087-BLK1@250X Method Blank 0....	4.36e4	69.4	NO

Name: 171017M4_29, Date: 17-Oct-2017, Time: 22:50:16, ID: 1701322-08RE2@250X JFOSS-GW-TW06-092217 0.00106, Description: JFOSS-GW-TW06-092217

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701322-08RE2@250X JFOSS-GW-T...	3.76e4	243.3	YES
2	2	13C5-PFHxA	1701322-08RE2@250X JFOSS-GW-T...	5.50e4	157.6	YES
3	3	13C3-PFHxS	1701322-08RE2@250X JFOSS-GW-T...	8.23e3	98.9	NO
4	4	13C8-PFOA	1701322-08RE2@250X JFOSS-GW-T...	4.57e4	86.7	NO
5	5	13C9-PFNA	1701322-08RE2@250X JFOSS-GW-T...	5.07e4	84.8	NO
6	6	13C4-PFOS	1701322-08RE2@250X JFOSS-GW-T...	1.04e4	99.7	NO
7	7	13C6-PFDA	1701322-08RE2@250X JFOSS-GW-T...	4.29e4	86.3	NO
8	8	13C7-PFUnA	1701322-08RE2@250X JFOSS-GW-T...	4.22e4	67.2	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_30, Date: 17-Oct-2017, Time: 23:01:02, ID: 1701322-10RE2@500X JFOSS-GW-TW13-092117 0.00101, Description: JFOSS-GW-TW13-092117

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701322-10RE2@500X JFOSS-GW-T...	3.33e4	215.6	YES
2	2	13C5-PFHxA	1701322-10RE2@500X JFOSS-GW-T...	5.29e4	151.5	YES
3	3	13C3-PFHxS	1701322-10RE2@500X JFOSS-GW-T...	8.36e3	100.5	NO
4	4	13C8-PFOA	1701322-10RE2@500X JFOSS-GW-T...	4.63e4	87.9	NO
5	5	13C9-PFNA	1701322-10RE2@500X JFOSS-GW-T...	4.88e4	81.7	NO
6	6	13C4-PFOS	1701322-10RE2@500X JFOSS-GW-T...	9.67e3	93.1	NO
7	7	13C6-PFDA	1701322-10RE2@500X JFOSS-GW-T...	4.56e4	91.7	NO
8	8	13C7-PFUnA	1701322-10RE2@500X JFOSS-GW-T...	4.45e4	70.7	NO

Name: 171017M4_31, Date: 17-Oct-2017, Time: 23:11:41, ID: 1701385-06@5X B-H-GW 0.11258, Description: B-H-GW

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701385-06@5X B-H-GW 0.11258	1.96e4	126.6	NO
2	2	13C5-PFHxA	1701385-06@5X B-H-GW 0.11258	3.97e4	113.6	NO
3	3	13C3-PFHxS	1701385-06@5X B-H-GW 0.11258	7.85e3	94.4	NO
4	4	13C8-PFOA	1701385-06@5X B-H-GW 0.11258	3.44e4	65.4	NO
5	5	13C9-PFNA	1701385-06@5X B-H-GW 0.11258	3.87e4	64.7	NO
6	6	13C4-PFOS	1701385-06@5X B-H-GW 0.11258	9.81e3	94.4	NO
7	7	13C6-PFDA	1701385-06@5X B-H-GW 0.11258	3.70e4	74.3	NO
8	8	13C7-PFUnA	1701385-06@5X B-H-GW 0.11258	5.04e4	80.1	NO

Name: 171017M4_32, Date: 17-Oct-2017, Time: 23:22:27, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA	6.02e0	0.0	NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_33, Date: 17-Oct-2017, Time: 23:33:05, ID: 1701385-07 B-I-GW 0.11542, Description: B-I-GW

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701385-07 B-I-GW 0.11542	1.33e5	859.7	YES
2	2	13C5-PFHxA	1701385-07 B-I-GW 0.11542	1.94e5	555.1	YES
3	3	13C3-PFHxS	1701385-07 B-I-GW 0.11542	3.29e4	395.7	YES
4	4	13C8-PFOA	1701385-07 B-I-GW 0.11542	1.51e5	285.9	YES
5	5	13C9-PFNA	1701385-07 B-I-GW 0.11542	1.61e5	269.3	YES
6	6	13C4-PFOS	1701385-07 B-I-GW 0.11542	2.33e4	224.7	YES
7	7	13C6-PFDA	1701385-07 B-I-GW 0.11542	1.69e5	339.0	YES
8	8	13C7-PFUnA	1701385-07 B-I-GW 0.11542	1.56e5	248.9	YES

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_34, Date: 17-Oct-2017, Time: 23:43:44, ID: B7J0081-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0081-BS1 OPR 0.25	2.32e4	149.7	NO
2	2	13C5-PFHxA	B7J0081-BS1 OPR 0.25	3.59e4	102.7	NO
3	3	13C3-PFHxS	B7J0081-BS1 OPR 0.25	6.37e3	76.5	NO
4	4	13C8-PFOA	B7J0081-BS1 OPR 0.25	3.19e4	60.6	NO
5	5	13C9-PFNA	B7J0081-BS1 OPR 0.25	3.76e4	62.9	NO
6	6	13C4-PFOS	B7J0081-BS1 OPR 0.25	7.74e3	74.5	NO
7	7	13C6-PFDA	B7J0081-BS1 OPR 0.25	3.17e4	63.7	NO
8	8	13C7-PFUnA	B7J0081-BS1 OPR 0.25	3.47e4	55.1	NO

Name: 171017M4_35, Date: 17-Oct-2017, Time: 23:54:30, ID: B7J0092-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0092-BS1 OPR 0.125	2.00e4	129.0	NO
2	2	13C5-PFHxA	B7J0092-BS1 OPR 0.125	4.24e4	121.4	NO
3	3	13C3-PFHxS	B7J0092-BS1 OPR 0.125	7.41e3	89.1	NO
4	4	13C8-PFOA	B7J0092-BS1 OPR 0.125	3.84e4	72.9	NO
5	5	13C9-PFNA	B7J0092-BS1 OPR 0.125	3.95e4	66.1	NO
6	6	13C4-PFOS	B7J0092-BS1 OPR 0.125	8.36e3	80.5	NO
7	7	13C6-PFDA	B7J0092-BS1 OPR 0.125	3.80e4	76.4	NO
8	8	13C7-PFUnA	B7J0092-BS1 OPR 0.125	4.21e4	66.9	NO

Name: 171017M4_36, Date: 18-Oct-2017, Time: 00:05:08, ID: B7J0093-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0093-BS1 OPR 0.125	1.80e4	116.4	NO
2	2	13C5-PFHxA	B7J0093-BS1 OPR 0.125	3.63e4	103.9	NO
3	3	13C3-PFHxS	B7J0093-BS1 OPR 0.125	6.00e3	72.1	NO
4	4	13C8-PFOA	B7J0093-BS1 OPR 0.125	3.21e4	60.9	NO
5	5	13C9-PFNA	B7J0093-BS1 OPR 0.125	3.48e4	58.3	NO
6	6	13C4-PFOS	B7J0093-BS1 OPR 0.125	6.38e3	61.4	NO
7	7	13C6-PFDA	B7J0093-BS1 OPR 0.125	2.99e4	60.0	NO
8	8	13C7-PFUnA	B7J0093-BS1 OPR 0.125	3.60e4	57.3	NO

Name: 171017M4_37, Date: 18-Oct-2017, Time: 00:15:47, ID: B7J0098-BS1 OPR 1, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0098-BS1 OPR 1	1.48e5	190.9	YES
2	2	13C5-PFHxA	B7J0098-BS1 OPR 1	2.19e5	125.6	NO
3	3	13C3-PFHxS	B7J0098-BS1 OPR 1	3.17e4	76.3	NO
4	4	13C8-PFOA	B7J0098-BS1 OPR 1	1.76e5	66.7	NO
5	5	13C9-PFNA	B7J0098-BS1 OPR 1	1.55e5	51.9	NO
6	6	13C4-PFOS	B7J0098-BS1 OPR 1	2.56e4	49.3	YES
7	7	13C6-PFDA	B7J0098-BS1 OPR 1	1.07e5	43.2	YES
8	8	13C7-PFUnA	B7J0098-BS1 OPR 1	6.71e4	21.4	YES

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_38, Date: 18-Oct-2017, Time: 00:26:28, ID: B7J0099-BS1 OPR 1, Description: OPR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0099-BS1 OPR 1	1.36e4	88.1	NO
2	2 13C5-PFHxA	B7J0099-BS1 OPR 1	3.32e4	95.0	NO
3	3 13C3-PFHxS	B7J0099-BS1 OPR 1	6.95e3	83.6	NO
4	4 13C8-PFOA	B7J0099-BS1 OPR 1	3.35e4	63.6	NO
5	5 13C9-PFNA	B7J0099-BS1 OPR 1	3.71e4	62.1	NO
6	6 13C4-PFOS	B7J0099-BS1 OPR 1	6.39e3	61.6	NO
7	7 13C6-PFDA	B7J0099-BS1 OPR 1	3.18e4	63.9	NO
8	8 13C7-PFUnA	B7J0099-BS1 OPR 1	3.18e4	50.7	NO

Name: 171017M4_39, Date: 18-Oct-2017, Time: 00:37:34, ID: B7J0099-BSD1 LCS Dup 1, Description: LCS Dup

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0099-BSD1 LCS Dup 1	1.25e4	80.5	NO
2	2 13C5-PFHxA	B7J0099-BSD1 LCS Dup 1	3.02e4	86.6	NO
3	3 13C3-PFHxS	B7J0099-BSD1 LCS Dup 1	6.00e3	72.1	NO
4	4 13C8-PFOA	B7J0099-BSD1 LCS Dup 1	3.04e4	57.8	NO
5	5 13C9-PFNA	B7J0099-BSD1 LCS Dup 1	3.00e4	50.1	NO
6	6 13C4-PFOS	B7J0099-BSD1 LCS Dup 1	6.77e3	65.2	NO
7	7 13C6-PFDA	B7J0099-BSD1 LCS Dup 1	3.01e4	60.5	NO
8	8 13C7-PFUnA	B7J0099-BSD1 LCS Dup 1	3.15e4	50.2	NO

Name: 171017M4_40, Date: 18-Oct-2017, Time: 00:48:25, ID: B7J0092-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0092-BLK1 Method Blank 0.125	2.08e4	134.6	NO
2	2 13C5-PFHxA	B7J0092-BLK1 Method Blank 0.125	4.33e4	123.9	NO
3	3 13C3-PFHxS	B7J0092-BLK1 Method Blank 0.125	7.95e3	95.6	NO
4	4 13C8-PFOA	B7J0092-BLK1 Method Blank 0.125	4.01e4	76.1	NO
5	5 13C9-PFNA	B7J0092-BLK1 Method Blank 0.125	4.52e4	75.6	NO
6	6 13C4-PFOS	B7J0092-BLK1 Method Blank 0.125	7.98e3	76.8	NO
7	7 13C6-PFDA	B7J0092-BLK1 Method Blank 0.125	3.80e4	76.4	NO
8	8 13C7-PFUnA	B7J0092-BLK1 Method Blank 0.125	4.51e4	71.8	NO

Name: 171017M4_41, Date: 18-Oct-2017, Time: 00:59:15, ID: B7J0093-BLK1 Method Blank 0.125, Description: Method Blank

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	B7J0093-BLK1 Method Blank 0.125	1.56e4	100.7	NO
2	2 13C5-PFHxA	B7J0093-BLK1 Method Blank 0.125	3.22e4	92.2	NO
3	3 13C3-PFHxS	B7J0093-BLK1 Method Blank 0.125	5.56e3	66.9	NO
4	4 13C8-PFOA	B7J0093-BLK1 Method Blank 0.125	2.84e4	53.9	NO
5	5 13C9-PFNA	B7J0093-BLK1 Method Blank 0.125	3.49e4	58.3	NO
6	6 13C4-PFOS	B7J0093-BLK1 Method Blank 0.125	6.44e3	62.0	NO
7	7 13C6-PFDA	B7J0093-BLK1 Method Blank 0.125	2.71e4	54.4	NO
8	8 13C7-PFUnA	B7J0093-BLK1 Method Blank 0.125	3.46e4	55.0	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_42, Date: 18-Oct-2017, Time: 01:09:53, ID: B7J0081-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0081-BLK1 Method Blank 0.25	2.40e4	155.2	YES
2	2	13C5-PFHxA	B7J0081-BLK1 Method Blank 0.25	3.89e4	111.3	NO
3	3	13C3-PFHxS	B7J0081-BLK1 Method Blank 0.25	6.31e3	75.9	NO
4	4	13C8-PFOA	B7J0081-BLK1 Method Blank 0.25	3.21e4	60.9	NO
5	5	13C9-PFNA	B7J0081-BLK1 Method Blank 0.25	4.16e4	69.5	NO
6	6	13C4-PFOS	B7J0081-BLK1 Method Blank 0.25	6.83e3	65.7	NO
7	7	13C6-PFDA	B7J0081-BLK1 Method Blank 0.25	3.10e4	62.3	NO
8	8	13C7-PFUnA	B7J0081-BLK1 Method Blank 0.25	3.87e4	61.5	NO

Name: 171017M4_43, Date: 18-Oct-2017, Time: 01:20:32, ID: B7J0098-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0098-BLK1 Method Blank 1	1.40e5	181.2	YES
2	2	13C5-PFHxA	B7J0098-BLK1 Method Blank 1	2.02e5	115.4	NO
3	3	13C3-PFHxS	B7J0098-BLK1 Method Blank 1	3.18e4	76.4	NO
4	4	13C8-PFOA	B7J0098-BLK1 Method Blank 1	1.58e5	60.1	NO
5	5	13C9-PFNA	B7J0098-BLK1 Method Blank 1	1.65e5	55.2	NO
6	6	13C4-PFOS	B7J0098-BLK1 Method Blank 1	2.92e4	56.2	NO
7	7	13C6-PFDA	B7J0098-BLK1 Method Blank 1	1.01e5	40.8	YES
8	8	13C7-PFUnA	B7J0098-BLK1 Method Blank 1	8.68e4	27.6	YES

Name: 171017M4_44, Date: 18-Oct-2017, Time: 01:31:18, ID: B7J0099-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0099-BLK1 Method Blank 1	1.16e4	75.0	NO
2	2	13C5-PFHxA	B7J0099-BLK1 Method Blank 1	3.21e4	91.8	NO
3	3	13C3-PFHxS	B7J0099-BLK1 Method Blank 1	5.92e3	71.1	NO
4	4	13C8-PFOA	B7J0099-BLK1 Method Blank 1	2.81e4	53.4	NO
5	5	13C9-PFNA	B7J0099-BLK1 Method Blank 1	3.16e4	52.9	NO
6	6	13C4-PFOS	B7J0099-BLK1 Method Blank 1	6.81e3	65.5	NO
7	7	13C6-PFDA	B7J0099-BLK1 Method Blank 1	3.37e4	67.7	NO
8	8	13C7-PFUnA	B7J0099-BLK1 Method Blank 1	3.27e4	52.1	NO

Name: 171017M4_45, Date: 18-Oct-2017, Time: 01:41:56, ID: 1701405-01 RI17-MW19-(19-20)-100317 0.26392, Description: RI17-MW19-(19-20)-100317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701405-01 RI17-MW19-(19-20)-10031...	1.87e4	120.7	NO
2	2	13C5-PFHxA	1701405-01 RI17-MW19-(19-20)-10031...	4.13e4	118.4	NO
3	3	13C3-PFHxS	1701405-01 RI17-MW19-(19-20)-10031...	6.92e3	83.2	NO
4	4	13C8-PFOA	1701405-01 RI17-MW19-(19-20)-10031...	3.90e4	74.0	NO
5	5	13C9-PFNA	1701405-01 RI17-MW19-(19-20)-10031...	4.54e4	75.9	NO
6	6	13C4-PFOS	1701405-01 RI17-MW19-(19-20)-10031...	8.28e3	79.7	NO
7	7	13C6-PFDA	1701405-01 RI17-MW19-(19-20)-10031...	3.71e4	74.5	NO
8	8	13C7-PFUnA	1701405-01 RI17-MW19-(19-20)-10031...	4.29e4	68.2	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_46, Date: 18-Oct-2017, Time: 01:52:35, ID: 1701405-02 RI17-MW19-(29-30)-100317 0.26167, Description: RI17-MW19-(29-30)-100317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701405-02 RI17-MW19-(29-30)-10031...	1.55e4	100.2	NO
2	2	13C5-PFHxA	1701405-02 RI17-MW19-(29-30)-10031...	3.32e4	95.1	NO
3	3	13C3-PFHxS	1701405-02 RI17-MW19-(29-30)-10031...	5.88e3	70.7	NO
4	4	13C8-PFOA	1701405-02 RI17-MW19-(29-30)-10031...	2.78e4	52.7	NO
5	5	13C9-PFNA	1701405-02 RI17-MW19-(29-30)-10031...	3.51e4	58.8	NO
6	6	13C4-PFOS	1701405-02 RI17-MW19-(29-30)-10031...	6.65e3	64.0	NO
7	7	13C6-PFDA	1701405-02 RI17-MW19-(29-30)-10031...	2.84e4	57.2	NO
8	8	13C7-PFUnA	1701405-02 RI17-MW19-(29-30)-10031...	3.40e4	54.0	NO

Name: 171017M4_47, Date: 18-Oct-2017, Time: 02:03:21, ID: 1701405-03 RI17-MW19-(39-40)-100317 0.26666, Description: RI17-MW19-(39-40)-100317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701405-03 RI17-MW19-(39-40)-10031...	2.14e4	138.5	NO
2	2	13C5-PFHxA	1701405-03 RI17-MW19-(39-40)-10031...	3.78e4	108.3	NO
3	3	13C3-PFHxS	1701405-03 RI17-MW19-(39-40)-10031...	7.56e3	90.9	NO
4	4	13C8-PFOA	1701405-03 RI17-MW19-(39-40)-10031...	3.36e4	63.8	NO
5	5	13C9-PFNA	1701405-03 RI17-MW19-(39-40)-10031...	3.43e4	57.4	NO
6	6	13C4-PFOS	1701405-03 RI17-MW19-(39-40)-10031...	8.84e3	85.1	NO
7	7	13C6-PFDA	1701405-03 RI17-MW19-(39-40)-10031...	3.40e4	68.4	NO
8	8	13C7-PFUnA	1701405-03 RI17-MW19-(39-40)-10031...	3.78e4	60.2	NO

Name: 171017M4_48, Date: 18-Oct-2017, Time: 02:14:00, ID: 1701405-04 RI17-MW19-(49-50)-100317 0.25436, Description: RI17-MW19-(49-50)-100317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701405-04 RI17-MW19-(49-50)-10031...	2.80e4	181.0	YES
2	2	13C5-PFHxA	1701405-04 RI17-MW19-(49-50)-10031...	4.72e4	135.2	NO
3	3	13C3-PFHxS	1701405-04 RI17-MW19-(49-50)-10031...	8.81e3	105.9	NO
4	4	13C8-PFOA	1701405-04 RI17-MW19-(49-50)-10031...	3.96e4	75.2	NO
5	5	13C9-PFNA	1701405-04 RI17-MW19-(49-50)-10031...	4.78e4	79.9	NO
6	6	13C4-PFOS	1701405-04 RI17-MW19-(49-50)-10031...	9.33e3	89.8	NO
7	7	13C6-PFDA	1701405-04 RI17-MW19-(49-50)-10031...	4.41e4	88.7	NO
8	8	13C7-PFUnA	1701405-04 RI17-MW19-(49-50)-10031...	4.24e4	67.5	NO

Name: 171017M4_49, Date: 18-Oct-2017, Time: 02:24:46, ID: 1701405-05 RI17-MW24-(17-18)-100317 0.26585, Description: RI17-MW24-(17-18)-100317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701405-05 RI17-MW24-(17-18)-10031...	2.31e4	149.2	NO
2	2	13C5-PFHxA	1701405-05 RI17-MW24-(17-18)-10031...	3.73e4	106.9	NO
3	3	13C3-PFHxS	1701405-05 RI17-MW24-(17-18)-10031...	6.41e3	77.1	NO
4	4	13C8-PFOA	1701405-05 RI17-MW24-(17-18)-10031...	3.20e4	60.8	NO
5	5	13C9-PFNA	1701405-05 RI17-MW24-(17-18)-10031...	3.68e4	61.6	NO
6	6	13C4-PFOS	1701405-05 RI17-MW24-(17-18)-10031...	7.71e3	74.3	NO
7	7	13C6-PFDA	1701405-05 RI17-MW24-(17-18)-10031...	3.36e4	67.6	NO
8	8	13C7-PFUnA	1701405-05 RI17-MW24-(17-18)-10031...	3.54e4	56.4	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_50, Date: 18-Oct-2017, Time: 02:35:32, ID: 1701405-06 RI17-MW24-(26-27)-100317 0.2629, Description: RI17-MW24-(26-27)-100317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701405-06 RI17-MW24-(26-27)-10031...	2.35e4	151.8	YES
2	2	13C5-PFHxA	1701405-06 RI17-MW24-(26-27)-10031...	3.64e4	104.1	NO
3	3	13C3-PFHxS	1701405-06 RI17-MW24-(26-27)-10031...	6.36e3	76.5	NO
4	4	13C8-PFOA	1701405-06 RI17-MW24-(26-27)-10031...	3.01e4	57.2	NO
5	5	13C9-PFNA	1701405-06 RI17-MW24-(26-27)-10031...	3.83e4	64.1	NO
6	6	13C4-PFOS	1701405-06 RI17-MW24-(26-27)-10031...	6.88e3	66.2	NO
7	7	13C6-PFDA	1701405-06 RI17-MW24-(26-27)-10031...	3.41e4	68.7	NO
8	8	13C7-PFUnA	1701405-06 RI17-MW24-(26-27)-10031...	3.45e4	54.9	NO

Name: 171017M4_51, Date: 18-Oct-2017, Time: 02:46:20, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA	7.67e0	0.0	NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_52, Date: 18-Oct-2017, Time: 02:57:11, ID: ST171017M4-3 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171017M4-3 PFC CS3 17J1602	1.71e4	110.7	NO
2	2	13C5-PFHxA	ST171017M4-3 PFC CS3 17J1602	4.22e4	120.7	NO
3	3	13C3-PFHxS	ST171017M4-3 PFC CS3 17J1602	1.02e4	122.1	NO
4	4	13C8-PFOA	ST171017M4-3 PFC CS3 17J1602	5.67e4	107.6	NO
5	5	13C9-PFNA	ST171017M4-3 PFC CS3 17J1602	6.48e4	108.4	NO
6	6	13C4-PFOS	ST171017M4-3 PFC CS3 17J1602	1.24e4	119.3	NO
7	7	13C6-PFDA	ST171017M4-3 PFC CS3 17J1602	5.69e4	114.4	NO
8	8	13C7-PFUnA	ST171017M4-3 PFC CS3 17J1602	5.92e4	94.2	NO

Name: 171017M4_53, Date: 18-Oct-2017, Time: 03:07:57, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_54, Date: 18-Oct-2017, Time: 03:18:36, ID: 1701405-07 RI17-MW24-(36-37)-100317 0.26169, Description: RI17-MW24-(36-37)-100317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701405-07 RI17-MW24-(36-37)-10031...	2.21e4	143.0	NO
2	2	13C5-PFHxA	1701405-07 RI17-MW24-(36-37)-10031...	3.17e4	90.9	NO
3	3	13C3-PFHxS	1701405-07 RI17-MW24-(36-37)-10031...	5.44e3	65.4	NO
4	4	13C8-PFOA	1701405-07 RI17-MW24-(36-37)-10031...	2.97e4	56.3	NO
5	5	13C9-PFNA	1701405-07 RI17-MW24-(36-37)-10031...	2.71e4	45.4	YES
6	6	13C4-PFOS	1701405-07 RI17-MW24-(36-37)-10031...	5.90e3	56.8	NO
7	7	13C6-PFDA	1701405-07 RI17-MW24-(36-37)-10031...	3.11e4	62.5	NO
8	8	13C7-PFUnA	1701405-07 RI17-MW24-(36-37)-10031...	2.88e4	45.8	YES

Name: 171017M4_55, Date: 18-Oct-2017, Time: 03:29:22, ID: 1701405-08 RI17-MW24-(46-47)-100317 0.26332, Description: RI17-MW24-(46-47)-100317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701405-08 RI17-MW24-(46-47)-10031...	2.22e4	143.8	NO
2	2	13C5-PFHxA	1701405-08 RI17-MW24-(46-47)-10031...	3.31e4	94.7	NO
3	3	13C3-PFHxS	1701405-08 RI17-MW24-(46-47)-10031...	6.48e3	77.9	NO
4	4	13C8-PFOA	1701405-08 RI17-MW24-(46-47)-10031...	2.80e4	53.1	NO
5	5	13C9-PFNA	1701405-08 RI17-MW24-(46-47)-10031...	3.72e4	62.2	NO
6	6	13C4-PFOS	1701405-08 RI17-MW24-(46-47)-10031...	7.18e3	69.1	NO
7	7	13C6-PFDA	1701405-08 RI17-MW24-(46-47)-10031...	2.88e4	57.8	NO
8	8	13C7-PFUnA	1701405-08 RI17-MW24-(46-47)-10031...	2.97e4	47.3	YES

Name: 171017M4_56, Date: 18-Oct-2017, Time: 03:40:01, ID: 1701405-09 RI17-FRB1-100317 0.25919, Description: RI17-FRB1-100317

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701405-09 RI17-FRB1-100317 0.25919	2.85e4	184.1	YES
2	2	13C5-PFHxA	1701405-09 RI17-FRB1-100317 0.25919	4.45e4	127.5	NO
3	3	13C3-PFHxS	1701405-09 RI17-FRB1-100317 0.25919	7.60e3	91.4	NO
4	4	13C8-PFOA	1701405-09 RI17-FRB1-100317 0.25919	3.92e4	74.4	NO
5	5	13C9-PFNA	1701405-09 RI17-FRB1-100317 0.25919	3.61e4	60.3	NO
6	6	13C4-PFOS	1701405-09 RI17-FRB1-100317 0.25919	6.19e3	59.6	NO
7	7	13C6-PFDA	1701405-09 RI17-FRB1-100317 0.25919	4.01e4	80.7	NO
8	8	13C7-PFUnA	1701405-09 RI17-FRB1-100317 0.25919	3.82e4	60.7	NO

Name: 171017M4_57, Date: 18-Oct-2017, Time: 03:50:39, ID: 1701405-10 RI17-MW25-(49-50)-100317-Dup 0.25625, Description: RI17-MW25-(49-50)-100317-Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701405-10 RI17-MW25-(49-50)-10031...	2.82e4	182.5	YES
2	2	13C5-PFHxA	1701405-10 RI17-MW25-(49-50)-10031...	4.51e4	129.1	NO
3	3	13C3-PFHxS	1701405-10 RI17-MW25-(49-50)-10031...	7.86e3	94.5	NO
4	4	13C8-PFOA	1701405-10 RI17-MW25-(49-50)-10031...	3.84e4	72.8	NO
5	5	13C9-PFNA	1701405-10 RI17-MW25-(49-50)-10031...	4.20e4	70.2	NO
6	6	13C4-PFOS	1701405-10 RI17-MW25-(49-50)-10031...	8.94e3	86.0	NO
7	7	13C6-PFDA	1701405-10 RI17-MW25-(49-50)-10031...	4.10e4	82.4	NO
8	8	13C7-PFUnA	1701405-10 RI17-MW25-(49-50)-10031...	4.46e4	70.9	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_58, Date: 18-Oct-2017, Time: 04:01:26, ID: 1701451-01 IDW-TF5-FRAC 0.26565, Description: IDW-TF5-FRAC

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701451-01 IDW-TF5-FRAC 0.26565	2.41e4	155.7	YES
2	2	13C5-PFHxA	1701451-01 IDW-TF5-FRAC 0.26565	3.91e4	111.9	NO
3	3	13C3-PFHxS	1701451-01 IDW-TF5-FRAC 0.26565	6.96e3	83.7	NO
4	4	13C8-PFOA	1701451-01 IDW-TF5-FRAC 0.26565	3.20e4	60.7	NO
5	5	13C9-PFNA	1701451-01 IDW-TF5-FRAC 0.26565	4.00e4	66.9	NO
6	6	13C4-PFOS	1701451-01 IDW-TF5-FRAC 0.26565	8.62e3	83.0	NO
7	7	13C6-PFDA	1701451-01 IDW-TF5-FRAC 0.26565	3.81e4	76.5	NO
8	8	13C7-PFUnA	1701451-01 IDW-TF5-FRAC 0.26565	4.01e4	63.8	NO

Name: 171017M4_59, Date: 18-Oct-2017, Time: 04:12:12, ID: 1701451-02 IDW-TF5-COMP1 0.24492, Description: IDW-TF5-COMP1

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701451-02 IDW-TF5-COMP1 0.24492	1.80e4	116.3	NO
2	2	13C5-PFHxA	1701451-02 IDW-TF5-COMP1 0.24492	3.35e4	95.9	NO
3	3	13C3-PFHxS	1701451-02 IDW-TF5-COMP1 0.24492	7.28e3	87.5	NO
4	4	13C8-PFOA	1701451-02 IDW-TF5-COMP1 0.24492	3.06e4	58.0	NO
5	5	13C9-PFNA	1701451-02 IDW-TF5-COMP1 0.24492	3.40e4	56.9	NO
6	6	13C4-PFOS	1701451-02 IDW-TF5-COMP1 0.24492	7.88e3	75.8	NO
7	7	13C6-PFDA	1701451-02 IDW-TF5-COMP1 0.24492	3.01e4	60.6	NO
8	8	13C7-PFUnA	1701451-02 IDW-TF5-COMP1 0.24492	3.26e4	51.8	NO

Name: 171017M4_60, Date: 18-Oct-2017, Time: 04:22:59, ID: 1701452-01 IDW-TF4-FRAC 0.23028, Description: IDW-TF4-FRAC

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701452-01 IDW-TF4-FRAC 0.23028	2.32e4	149.9	NO
2	2	13C5-PFHxA	1701452-01 IDW-TF4-FRAC 0.23028	3.97e4	113.6	NO
3	3	13C3-PFHxS	1701452-01 IDW-TF4-FRAC 0.23028	7.77e3	93.4	NO
4	4	13C8-PFOA	1701452-01 IDW-TF4-FRAC 0.23028	3.65e4	69.2	NO
5	5	13C9-PFNA	1701452-01 IDW-TF4-FRAC 0.23028	3.91e4	65.4	NO
6	6	13C4-PFOS	1701452-01 IDW-TF4-FRAC 0.23028	8.36e3	80.5	NO
7	7	13C6-PFDA	1701452-01 IDW-TF4-FRAC 0.23028	3.25e4	65.3	NO
8	8	13C7-PFUnA	1701452-01 IDW-TF4-FRAC 0.23028	3.99e4	63.4	NO

Name: 171017M4_61, Date: 18-Oct-2017, Time: 04:33:45, ID: 1701452-02 IDW-TF4-COMP1 0.25588, Description: IDW-TF4-COMP1

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701452-02 IDW-TF4-COMP1 0.25588	1.93e4	124.7	NO
2	2	13C5-PFHxA	1701452-02 IDW-TF4-COMP1 0.25588	3.87e4	110.7	NO
3	3	13C3-PFHxS	1701452-02 IDW-TF4-COMP1 0.25588	7.12e3	85.6	NO
4	4	13C8-PFOA	1701452-02 IDW-TF4-COMP1 0.25588	2.83e4	53.8	NO
5	5	13C9-PFNA	1701452-02 IDW-TF4-COMP1 0.25588	3.74e4	62.6	NO
6	6	13C4-PFOS	1701452-02 IDW-TF4-COMP1 0.25588	6.93e3	66.7	NO
7	7	13C6-PFDA	1701452-02 IDW-TF4-COMP1 0.25588	3.40e4	68.4	NO
8	8	13C7-PFUnA	1701452-02 IDW-TF4-COMP1 0.25588	3.90e4	62.1	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_62, Date: 18-Oct-2017, Time: 04:44:23, ID: 1701452-03 IDW-TF4-COMP2 0.26426, Description: IDW-TF4-COMP2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701452-03 IDW-TF4-COMP2 0.26426	3.10e4	200.2	YES
2	2	13C5-PFHxA	1701452-03 IDW-TF4-COMP2 0.26426	4.49e4	128.4	NO
3	3	13C3-PFHxS	1701452-03 IDW-TF4-COMP2 0.26426	8.49e3	102.0	NO
4	4	13C8-PFOA	1701452-03 IDW-TF4-COMP2 0.26426	4.07e4	77.2	NO
5	5	13C9-PFNA	1701452-03 IDW-TF4-COMP2 0.26426	4.15e4	69.4	NO
6	6	13C4-PFOS	1701452-03 IDW-TF4-COMP2 0.26426	9.10e3	87.6	NO
7	7	13C6-PFDA	1701452-03 IDW-TF4-COMP2 0.26426	3.72e4	74.8	NO
8	8	13C7-PFUnA	1701452-03 IDW-TF4-COMP2 0.26426	4.59e4	73.0	NO

Name: 171017M4_63, Date: 18-Oct-2017, Time: 04:55:10, ID: 1701432-08RE1 Site 4-GW-04GW03-20171004 0.11516, Description: Site 4-GW-04GW03-20171004

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-08RE1 Site 4-GW-04GW03-2...	2.13e4	137.8	NO
2	2	13C5-PFHxA	1701432-08RE1 Site 4-GW-04GW03-2...	3.93e4	112.5	NO
3	3	13C3-PFHxS	1701432-08RE1 Site 4-GW-04GW03-2...	6.41e3	77.1	NO
4	4	13C8-PFOA	1701432-08RE1 Site 4-GW-04GW03-2...	3.36e4	63.7	NO
5	5	13C9-PFNA	1701432-08RE1 Site 4-GW-04GW03-2...	3.82e4	63.9	NO
6	6	13C4-PFOS	1701432-08RE1 Site 4-GW-04GW03-2...	8.81e3	84.8	NO
7	7	13C6-PFDA	1701432-08RE1 Site 4-GW-04GW03-2...	3.43e4	68.9	NO
8	8	13C7-PFUnA	1701432-08RE1 Site 4-GW-04GW03-2...	4.11e4	65.4	NO

Name: 171017M4_64, Date: 18-Oct-2017, Time: 05:05:56, ID: 1701439-02 Site 3-GW-03GW02-20171005 0.125, Description: Site 3-GW-03GW02-20171005

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701439-02 Site 3-GW-03GW02-20171...	2.47e4	159.9	YES
2	2	13C5-PFHxA	1701439-02 Site 3-GW-03GW02-20171...	4.54e4	130.1	NO
3	3	13C3-PFHxS	1701439-02 Site 3-GW-03GW02-20171...	7.04e3	84.6	NO
4	4	13C8-PFOA	1701439-02 Site 3-GW-03GW02-20171...	3.97e4	75.3	NO
5	5	13C9-PFNA	1701439-02 Site 3-GW-03GW02-20171...	3.98e4	66.6	NO
6	6	13C4-PFOS	1701439-02 Site 3-GW-03GW02-20171...	7.22e3	69.5	NO
7	7	13C6-PFDA	1701439-02 Site 3-GW-03GW02-20171...	4.26e4	85.7	NO
8	8	13C7-PFUnA	1701439-02 Site 3-GW-03GW02-20171...	4.34e4	69.0	NO

Name: 171017M4_65, Date: 18-Oct-2017, Time: 05:16:43, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_66, Date: 18-Oct-2017, Time: 05:27:22, ID: ST171017M4-4 PFC CS0 17J1603, Description: PFC CS0 17J1603

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171017M4-4 PFC CS0 17J1603	1.42e4	91.9	NO
2	2	13C5-PFHxA	ST171017M4-4 PFC CS0 17J1603	3.56e4	101.8	NO
3	3	13C3-PFHxS	ST171017M4-4 PFC CS0 17J1603	8.45e3	101.6	NO
4	4	13C8-PFOA	ST171017M4-4 PFC CS0 17J1603	4.48e4	85.1	NO
5	5	13C9-PFNA	ST171017M4-4 PFC CS0 17J1603	5.77e4	96.5	NO
6	6	13C4-PFOS	ST171017M4-4 PFC CS0 17J1603	1.09e4	105.1	NO
7	7	13C6-PFDA	ST171017M4-4 PFC CS0 17J1603	5.40e4	108.5	NO
8	8	13C7-PFUnA	ST171017M4-4 PFC CS0 17J1603	5.38e4	85.5	NO

Name: 171017M4_67, Date: 18-Oct-2017, Time: 05:38:38, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA	8.25e0	0.1	NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_68, Date: 18-Oct-2017, Time: 05:49:23, ID: 1701439-04 Site 4-GW-04GW01-20171006 0.125, Description: Site 4-GW-04GW01-20171006

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701439-04 Site 4-GW-04GW01-20171...	2.28e4	147.6	NO
2	2	13C5-PFHxA	1701439-04 Site 4-GW-04GW01-20171...	4.06e4	116.3	NO
3	3	13C3-PFHxS	1701439-04 Site 4-GW-04GW01-20171...	5.71e3	68.7	NO
4	4	13C8-PFOA	1701439-04 Site 4-GW-04GW01-20171...	3.14e4	59.6	NO
5	5	13C9-PFNA	1701439-04 Site 4-GW-04GW01-20171...	3.72e4	62.2	NO
6	6	13C4-PFOS	1701439-04 Site 4-GW-04GW01-20171...	8.31e3	80.0	NO
7	7	13C6-PFDA	1701439-04 Site 4-GW-04GW01-20171...	3.54e4	71.2	NO
8	8	13C7-PFUnA	1701439-04 Site 4-GW-04GW01-20171...	3.62e4	57.5	NO

Name: 171017M4_69, Date: 18-Oct-2017, Time: 06:00:09, ID: 1701425-01 WT1710041515JNR 0.125, Description: WT1710041515JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-01 WT1710041515JNR 0.125	1.53e4	98.6	NO
2	2	13C5-PFHxA	1701425-01 WT1710041515JNR 0.125	2.91e4	83.3	NO
3	3	13C3-PFHxS	1701425-01 WT1710041515JNR 0.125	5.67e3	68.2	NO
4	4	13C8-PFOA	1701425-01 WT1710041515JNR 0.125	2.63e4	49.9	YES
5	5	13C9-PFNA	1701425-01 WT1710041515JNR 0.125	3.20e4	53.6	NO
6	6	13C4-PFOS	1701425-01 WT1710041515JNR 0.125	6.57e3	63.2	NO
7	7	13C6-PFDA	1701425-01 WT1710041515JNR 0.125	2.70e4	54.3	NO
8	8	13C7-PFUnA	1701425-01 WT1710041515JNR 0.125	2.91e4	46.3	YES

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_70, Date: 18-Oct-2017, Time: 06:10:47, ID: 1701425-02 FB1710041520JNR 0.125, Description: FB1710041520JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-02 FB1710041520JNR 0.125	1.88e4	121.7	NO
2	2	13C5-PFHxA	1701425-02 FB1710041520JNR 0.125	3.39e4	97.0	NO
3	3	13C3-PFHxS	1701425-02 FB1710041520JNR 0.125	6.32e3	76.1	NO
4	4	13C8-PFOA	1701425-02 FB1710041520JNR 0.125	2.89e4	54.8	NO
5	5	13C9-PFNA	1701425-02 FB1710041520JNR 0.125	3.37e4	56.4	NO
6	6	13C4-PFOS	1701425-02 FB1710041520JNR 0.125	7.18e3	69.1	NO
7	7	13C6-PFDA	1701425-02 FB1710041520JNR 0.125	3.37e4	67.8	NO
8	8	13C7-PFUnA	1701425-02 FB1710041520JNR 0.125	3.31e4	52.6	NO

Name: 171017M4_71, Date: 18-Oct-2017, Time: 06:21:26, ID: 1701425-03 WT1710041545JNR 0.125, Description: WT1710041545JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-03 WT1710041545JNR 0.125	1.66e4	107.4	NO
2	2	13C5-PFHxA	1701425-03 WT1710041545JNR 0.125	3.08e4	88.3	NO
3	3	13C3-PFHxS	1701425-03 WT1710041545JNR 0.125	6.78e3	81.6	NO
4	4	13C8-PFOA	1701425-03 WT1710041545JNR 0.125	2.97e4	56.4	NO
5	5	13C9-PFNA	1701425-03 WT1710041545JNR 0.125	3.04e4	50.8	NO
6	6	13C4-PFOS	1701425-03 WT1710041545JNR 0.125	6.58e3	63.3	NO
7	7	13C6-PFDA	1701425-03 WT1710041545JNR 0.125	3.18e4	64.0	NO
8	8	13C7-PFUnA	1701425-03 WT1710041545JNR 0.125	2.73e4	43.4	YES

Name: 171017M4_72, Date: 18-Oct-2017, Time: 06:32:04, ID: 1701425-04 WT1710041605JNR 0.125, Description: WT1710041605JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-04 WT1710041605JNR 0.125	1.76e4	113.7	NO
2	2	13C5-PFHxA	1701425-04 WT1710041605JNR 0.125	3.26e4	93.4	NO
3	3	13C3-PFHxS	1701425-04 WT1710041605JNR 0.125	6.37e3	76.6	NO
4	4	13C8-PFOA	1701425-04 WT1710041605JNR 0.125	3.29e4	62.4	NO
5	5	13C9-PFNA	1701425-04 WT1710041605JNR 0.125	3.28e4	54.9	NO
6	6	13C4-PFOS	1701425-04 WT1710041605JNR 0.125	6.34e3	61.0	NO
7	7	13C6-PFDA	1701425-04 WT1710041605JNR 0.125	2.99e4	60.1	NO
8	8	13C7-PFUnA	1701425-04 WT1710041605JNR 0.125	3.27e4	51.9	NO

Name: 171017M4_73, Date: 18-Oct-2017, Time: 06:42:51, ID: 1701425-05 WT1710041625JNR 0.125, Description: WT1710041625JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-05 WT1710041625JNR 0.125	1.53e4	98.6	NO
2	2	13C5-PFHxA	1701425-05 WT1710041625JNR 0.125	3.32e4	95.2	NO
3	3	13C3-PFHxS	1701425-05 WT1710041625JNR 0.125	5.99e3	72.0	NO
4	4	13C8-PFOA	1701425-05 WT1710041625JNR 0.125	2.84e4	53.9	NO
5	5	13C9-PFNA	1701425-05 WT1710041625JNR 0.125	3.14e4	52.5	NO
6	6	13C4-PFOS	1701425-05 WT1710041625JNR 0.125	7.48e3	72.0	NO
7	7	13C6-PFDA	1701425-05 WT1710041625JNR 0.125	3.37e4	67.7	NO
8	8	13C7-PFUnA	1701425-05 WT1710041625JNR 0.125	3.27e4	52.0	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_74, Date: 18-Oct-2017, Time: 06:53:29, ID: 1701425-06 WT1710041645JNR 0.125, Description: WT1710041645JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-06 WT1710041645JNR 0.125	1.52e4	98.2	NO
2	2	13C5-PFHxA	1701425-06 WT1710041645JNR 0.125	2.94e4	84.3	NO
3	3	13C3-PFHxS	1701425-06 WT1710041645JNR 0.125	5.40e3	64.9	NO
4	4	13C8-PFOA	1701425-06 WT1710041645JNR 0.125	2.60e4	49.4	YES
5	5	13C9-PFNA	1701425-06 WT1710041645JNR 0.125	2.69e4	45.1	YES
6	6	13C4-PFOS	1701425-06 WT1710041645JNR 0.125	7.13e3	68.6	NO
7	7	13C6-PFDA	1701425-06 WT1710041645JNR 0.125	2.80e4	56.4	NO
8	8	13C7-PFUnA	1701425-06 WT1710041645JNR 0.125	2.58e4	41.0	YES

Name: 171017M4_75, Date: 18-Oct-2017, Time: 07:04:07, ID: 1701425-07 WT1710041700JNR 0.125, Description: WT1710041700JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-07 WT1710041700JNR 0.125	1.38e4	89.0	NO
2	2	13C5-PFHxA	1701425-07 WT1710041700JNR 0.125	2.96e4	84.8	NO
3	3	13C3-PFHxS	1701425-07 WT1710041700JNR 0.125	6.53e3	78.6	NO
4	4	13C8-PFOA	1701425-07 WT1710041700JNR 0.125	2.97e4	56.3	NO
5	5	13C9-PFNA	1701425-07 WT1710041700JNR 0.125	3.01e4	50.4	NO
6	6	13C4-PFOS	1701425-07 WT1710041700JNR 0.125	7.13e3	68.6	NO
7	7	13C6-PFDA	1701425-07 WT1710041700JNR 0.125	3.17e4	63.7	NO
8	8	13C7-PFUnA	1701425-07 WT1710041700JNR 0.125	3.19e4	50.7	NO

Name: 171017M4_76, Date: 18-Oct-2017, Time: 07:14:54, ID: 1701425-08 WT1710041715JNR 0.125, Description: WT1710041715JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-08 WT1710041715JNR 0.125	1.52e4	98.2	NO
2	2	13C5-PFHxA	1701425-08 WT1710041715JNR 0.125	2.99e4	85.7	NO
3	3	13C3-PFHxS	1701425-08 WT1710041715JNR 0.125	5.93e3	71.3	NO
4	4	13C8-PFOA	1701425-08 WT1710041715JNR 0.125	2.79e4	53.0	NO
5	5	13C9-PFNA	1701425-08 WT1710041715JNR 0.125	3.62e4	60.5	NO
6	6	13C4-PFOS	1701425-08 WT1710041715JNR 0.125	7.57e3	72.8	NO
7	7	13C6-PFDA	1701425-08 WT1710041715JNR 0.125	2.70e4	54.4	NO
8	8	13C7-PFUnA	1701425-08 WT1710041715JNR 0.125	3.33e4	53.0	NO

Name: 171017M4_77, Date: 18-Oct-2017, Time: 07:25:40, ID: 1701425-09 WT1710050925JNR 0.125, Description: WT1710050925JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-09 WT1710050925JNR 0.125	1.54e4	99.3	NO
2	2	13C5-PFHxA	1701425-09 WT1710050925JNR 0.125	2.92e4	83.7	NO
3	3	13C3-PFHxS	1701425-09 WT1710050925JNR 0.125	6.37e3	76.6	NO
4	4	13C8-PFOA	1701425-09 WT1710050925JNR 0.125	2.91e4	55.2	NO
5	5	13C9-PFNA	1701425-09 WT1710050925JNR 0.125	3.15e4	52.6	NO
6	6	13C4-PFOS	1701425-09 WT1710050925JNR 0.125	8.42e3	81.0	NO
7	7	13C6-PFDA	1701425-09 WT1710050925JNR 0.125	3.05e4	61.4	NO
8	8	13C7-PFUnA	1701425-09 WT1710050925JNR 0.125	3.32e4	52.8	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_78, Date: 18-Oct-2017, Time: 07:36:20, ID: 1701425-10 WT1710051000JNR 0.125, Description: WT1710051000JNR

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701425-10 WT1710051000JNR 0.125	1.51e4	97.5	NO
2	2 13C5-PFHxA	1701425-10 WT1710051000JNR 0.125	3.11e4	89.1	NO
3	3 13C3-PFHxS	1701425-10 WT1710051000JNR 0.125	6.79e3	81.6	NO
4	4 13C8-PFOA	1701425-10 WT1710051000JNR 0.125	2.74e4	52.1	NO
5	5 13C9-PFNA	1701425-10 WT1710051000JNR 0.125	3.56e4	59.5	NO
6	6 13C4-PFOS	1701425-10 WT1710051000JNR 0.125	7.67e3	73.8	NO
7	7 13C6-PFDA	1701425-10 WT1710051000JNR 0.125	2.91e4	58.6	NO
8	8 13C7-PFUnA	1701425-10 WT1710051000JNR 0.125	3.19e4	50.7	NO

Name: 171017M4_79, Date: 18-Oct-2017, Time: 07:47:21, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171017M4_80, Date: 18-Oct-2017, Time: 07:58:06, ID: ST171017M4-5 PFC CS3 17J1602, Description: PFC CS3 17J1602

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171017M4-5 PFC CS3 17J1602	1.67e4	107.7	NO
2	2 13C5-PFHxA	ST171017M4-5 PFC CS3 17J1602	3.88e4	111.0	NO
3	3 13C3-PFHxS	ST171017M4-5 PFC CS3 17J1602	9.25e3	111.3	NO
4	4 13C8-PFOA	ST171017M4-5 PFC CS3 17J1602	6.60e4	125.2	NO
5	5 13C9-PFNA	ST171017M4-5 PFC CS3 17J1602	6.81e4	114.0	NO
6	6 13C4-PFOS	ST171017M4-5 PFC CS3 17J1602	1.31e4	126.4	NO
7	7 13C6-PFDA	ST171017M4-5 PFC CS3 17J1602	6.87e4	138.1	NO
8	8 13C7-PFUnA	ST171017M4-5 PFC CS3 17J1602	5.71e4	90.9	NO

Name: 171017M4_81, Date: 18-Oct-2017, Time: 08:08:45, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA	6.44e0	0.0	NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_82, Date: 18-Oct-2017, Time: 08:19:23, ID: 1701425-11 WT1710040900JNR 0.125, Description: WT1710040900JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-11 WT1710040900JNR 0.125	1.51e4	97.9	NO
2	2	13C5-PFHxA	1701425-11 WT1710040900JNR 0.125	3.07e4	87.9	NO
3	3	13C3-PFHxS	1701425-11 WT1710040900JNR 0.125	6.42e3	77.3	NO
4	4	13C8-PFOA	1701425-11 WT1710040900JNR 0.125	2.46e4	46.7	YES
5	5	13C9-PFNA	1701425-11 WT1710040900JNR 0.125	3.35e4	56.1	NO
6	6	13C4-PFOS	1701425-11 WT1710040900JNR 0.125	6.37e3	61.4	NO
7	7	13C6-PFDA	1701425-11 WT1710040900JNR 0.125	3.36e4	67.6	NO
8	8	13C7-PFUnA	1701425-11 WT1710040900JNR 0.125	3.11e4	49.4	YES

Name: 171017M4_83, Date: 18-Oct-2017, Time: 08:30:01, ID: 1701425-12 WT1710040915JNR 0.125, Description: WT1710040915JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-12 WT1710040915JNR 0.125	1.49e4	96.3	NO
2	2	13C5-PFHxA	1701425-12 WT1710040915JNR 0.125	2.61e4	74.7	NO
3	3	13C3-PFHxS	1701425-12 WT1710040915JNR 0.125	5.73e3	68.9	NO
4	4	13C8-PFOA	1701425-12 WT1710040915JNR 0.125	2.24e4	42.6	YES
5	5	13C9-PFNA	1701425-12 WT1710040915JNR 0.125	2.98e4	49.8	YES
6	6	13C4-PFOS	1701425-12 WT1710040915JNR 0.125	5.69e3	54.8	NO
7	7	13C6-PFDA	1701425-12 WT1710040915JNR 0.125	2.78e4	55.9	NO
8	8	13C7-PFUnA	1701425-12 WT1710040915JNR 0.125	2.57e4	40.9	YES

Name: 171017M4_84, Date: 18-Oct-2017, Time: 08:40:39, ID: 1701425-13 WT1710040930JNR 0.125, Description: WT1710040930JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-13 WT1710040930JNR 0.125	1.63e4	105.1	NO
2	2	13C5-PFHxA	1701425-13 WT1710040930JNR 0.125	3.09e4	88.6	NO
3	3	13C3-PFHxS	1701425-13 WT1710040930JNR 0.125	6.28e3	75.6	NO
4	4	13C8-PFOA	1701425-13 WT1710040930JNR 0.125	2.57e4	48.8	YES
5	5	13C9-PFNA	1701425-13 WT1710040930JNR 0.125	3.09e4	51.6	NO
6	6	13C4-PFOS	1701425-13 WT1710040930JNR 0.125	6.70e3	64.5	NO
7	7	13C6-PFDA	1701425-13 WT1710040930JNR 0.125	3.05e4	61.3	NO
8	8	13C7-PFUnA	1701425-13 WT1710040930JNR 0.125	2.98e4	47.5	YES

Name: 171017M4_85, Date: 18-Oct-2017, Time: 08:51:19, ID: 1701425-14 WT1710041015JNR 0.125, Description: WT1710041015JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-14 WT1710041015JNR 0.125	2.03e4	131.1	NO
2	2	13C5-PFHxA	1701425-14 WT1710041015JNR 0.125	3.23e4	92.4	NO
3	3	13C3-PFHxS	1701425-14 WT1710041015JNR 0.125	6.26e3	75.3	NO
4	4	13C8-PFOA	1701425-14 WT1710041015JNR 0.125	2.95e4	55.9	NO
5	5	13C9-PFNA	1701425-14 WT1710041015JNR 0.125	3.44e4	57.5	NO
6	6	13C4-PFOS	1701425-14 WT1710041015JNR 0.125	6.30e3	60.7	NO
7	7	13C6-PFDA	1701425-14 WT1710041015JNR 0.125	2.95e4	59.4	NO
8	8	13C7-PFUnA	1701425-14 WT1710041015JNR 0.125	3.10e4	49.4	YES

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_86, Date: 18-Oct-2017, Time: 09:02:05, ID: 1701425-15 WT1710041040JNR 0.125, Description: WT1710041040JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-15 WT1710041040JNR 0.125	1.64e4	105.8	NO
2	2	13C5-PFHxA	1701425-15 WT1710041040JNR 0.125	3.28e4	93.9	NO
3	3	13C3-PFHxS	1701425-15 WT1710041040JNR 0.125	5.93e3	71.3	NO
4	4	13C8-PFOA	1701425-15 WT1710041040JNR 0.125	2.75e4	52.3	NO
5	5	13C9-PFNA	1701425-15 WT1710041040JNR 0.125	3.24e4	54.2	NO
6	6	13C4-PFOS	1701425-15 WT1710041040JNR 0.125	6.11e3	58.8	NO
7	7	13C6-PFDA	1701425-15 WT1710041040JNR 0.125	2.71e4	54.5	NO
8	8	13C7-PFUnA	1701425-15 WT1710041040JNR 0.125	3.26e4	51.9	NO

Name: 171017M4_87, Date: 18-Oct-2017, Time: 09:12:51, ID: 1701425-16 WT1710041055JNR 0.125, Description: WT1710041055JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-16 WT1710041055JNR 0.125	1.68e4	108.5	NO
2	2	13C5-PFHxA	1701425-16 WT1710041055JNR 0.125	2.90e4	83.1	NO
3	3	13C3-PFHxS	1701425-16 WT1710041055JNR 0.125	5.76e3	69.2	NO
4	4	13C8-PFOA	1701425-16 WT1710041055JNR 0.125	2.80e4	53.2	NO
5	5	13C9-PFNA	1701425-16 WT1710041055JNR 0.125	2.98e4	49.8	YES
6	6	13C4-PFOS	1701425-16 WT1710041055JNR 0.125	6.19e3	59.6	NO
7	7	13C6-PFDA	1701425-16 WT1710041055JNR 0.125	2.91e4	58.5	NO
8	8	13C7-PFUnA	1701425-16 WT1710041055JNR 0.125	2.91e4	46.3	YES

Name: 171017M4_88, Date: 18-Oct-2017, Time: 09:23:29, ID: 1701425-17 WT1710041115JNR 0.125, Description: WT1710041115JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-17 WT1710041115JNR 0.125	1.39e4	90.1	NO
2	2	13C5-PFHxA	1701425-17 WT1710041115JNR 0.125	3.28e4	93.9	NO
3	3	13C3-PFHxS	1701425-17 WT1710041115JNR 0.125	6.13e3	73.7	NO
4	4	13C8-PFOA	1701425-17 WT1710041115JNR 0.125	3.01e4	57.1	NO
5	5	13C9-PFNA	1701425-17 WT1710041115JNR 0.125	3.30e4	55.2	NO
6	6	13C4-PFOS	1701425-17 WT1710041115JNR 0.125	7.56e3	72.8	NO
7	7	13C6-PFDA	1701425-17 WT1710041115JNR 0.125	2.81e4	56.5	NO
8	8	13C7-PFUnA	1701425-17 WT1710041115JNR 0.125	3.36e4	53.4	NO

Name: 171017M4_89, Date: 18-Oct-2017, Time: 09:34:16, ID: 1701425-18 WT1710041250JNR 0.125, Description: WT1710041250JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-18 WT1710041250JNR 0.125	1.64e4	106.0	NO
2	2	13C5-PFHxA	1701425-18 WT1710041250JNR 0.125	3.38e4	96.8	NO
3	3	13C3-PFHxS	1701425-18 WT1710041250JNR 0.125	6.20e3	74.5	NO
4	4	13C8-PFOA	1701425-18 WT1710041250JNR 0.125	2.78e4	52.7	NO
5	5	13C9-PFNA	1701425-18 WT1710041250JNR 0.125	3.25e4	54.4	NO
6	6	13C4-PFOS	1701425-18 WT1710041250JNR 0.125	7.23e3	69.6	NO
7	7	13C6-PFDA	1701425-18 WT1710041250JNR 0.125	2.98e4	59.9	NO
8	8	13C7-PFUnA	1701425-18 WT1710041250JNR 0.125	3.01e4	47.8	YES

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_90, Date: 18-Oct-2017, Time: 09:44:54, ID: 1701425-19 WT1710041305JNR 0.125, Description: WT1710041305JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-19 WT1710041305JNR 0.125	1.40e4	90.8	NO
2	2	13C5-PFHxA	1701425-19 WT1710041305JNR 0.125	3.23e4	92.6	NO
3	3	13C3-PFHxS	1701425-19 WT1710041305JNR 0.125	6.13e3	73.8	NO
4	4	13C8-PFOA	1701425-19 WT1710041305JNR 0.125	3.06e4	58.2	NO
5	5	13C9-PFNA	1701425-19 WT1710041305JNR 0.125	3.25e4	54.3	NO
6	6	13C4-PFOS	1701425-19 WT1710041305JNR 0.125	7.32e3	70.4	NO
7	7	13C6-PFDA	1701425-19 WT1710041305JNR 0.125	3.42e4	68.8	NO
8	8	13C7-PFUnA	1701425-19 WT1710041305JNR 0.125	3.05e4	48.6	YES

Name: 171017M4_91, Date: 18-Oct-2017, Time: 09:55:33, ID: 1701425-20 WT1710041500JNR 0.125, Description: WT1710041500JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701425-20 WT1710041500JNR 0.125	1.78e4	115.3	NO
2	2	13C5-PFHxA	1701425-20 WT1710041500JNR 0.125	2.28e4	65.3	NO
3	3	13C3-PFHxS	1701425-20 WT1710041500JNR 0.125	7.12e3	85.6	NO
4	4	13C8-PFOA	1701425-20 WT1710041500JNR 0.125	3.00e4	56.9	NO
5	5	13C9-PFNA	1701425-20 WT1710041500JNR 0.125	3.56e4	59.6	NO
6	6	13C4-PFOS	1701425-20 WT1710041500JNR 0.125	8.19e3	78.8	NO
7	7	13C6-PFDA	1701425-20 WT1710041500JNR 0.125	3.32e4	66.7	NO
8	8	13C7-PFUnA	1701425-20 WT1710041500JNR 0.125	3.63e4	57.7	NO

Name: 171017M4_92, Date: 18-Oct-2017, Time: 10:06:28, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_93, Date: 18-Oct-2017, Time: 10:17:22, ID: ST171017M4-6 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171017M4-6 PFC CS3 17J1602	1.82e4	117.7	NO
2	2	13C5-PFHxA	ST171017M4-6 PFC CS3 17J1602	4.54e4	130.1	NO
3	3	13C3-PFHxS	ST171017M4-6 PFC CS3 17J1602	1.09e4	131.5	NO
4	4	13C8-PFOA	ST171017M4-6 PFC CS3 17J1602	6.21e4	117.8	NO
5	5	13C9-PFNA	ST171017M4-6 PFC CS3 17J1602	7.48e4	125.2	NO
6	6	13C4-PFOS	ST171017M4-6 PFC CS3 17J1602	1.32e4	127.1	NO
7	7	13C6-PFDA	ST171017M4-6 PFC CS3 17J1602	5.98e4	120.2	NO
8	8	13C7-PFUnA	ST171017M4-6 PFC CS3 17J1602	6.02e4	95.8	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_94, Date: 18-Oct-2017, Time: 10:28:18, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA	7.76e0	0.1	NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_95, Date: 18-Oct-2017, Time: 10:39:14, ID: 1701321-07RE1 JFOSS-08-SB03-0-2 1.31, Description: JFOSS-08-SB03-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701321-07RE1 JFOSS-08-SB03-0-2 1...	1.29e5	167.2	YES
2	2	13C5-PFHxA	1701321-07RE1 JFOSS-08-SB03-0-2 1...	1.91e5	109.2	NO
3	3	13C3-PFHxS	1701321-07RE1 JFOSS-08-SB03-0-2 1...	2.35e4	56.5	NO
4	4	13C8-PFOA	1701321-07RE1 JFOSS-08-SB03-0-2 1...	1.63e5	61.8	NO
5	5	13C9-PFNA	1701321-07RE1 JFOSS-08-SB03-0-2 1...	1.32e5	44.1	YES
6	6	13C4-PFOS	1701321-07RE1 JFOSS-08-SB03-0-2 1...	1.98e4	38.1	YES
7	7	13C6-PFDA	1701321-07RE1 JFOSS-08-SB03-0-2 1...	1.08e5	43.4	YES
8	8	13C7-PFUnA	1701321-07RE1 JFOSS-08-SB03-0-2 1...	9.02e4	28.7	YES

Name: 171017M4_96, Date: 18-Oct-2017, Time: 10:49:53, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_97, Date: 18-Oct-2017, Time: 11:00:31, ID: 1701321-09RE1 JFOSS-08-SB04-0-2 1.13, Description: JFOSS-08-SB04-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701321-09RE1 JFOSS-08-SB04-0-2 1...	1.15e5	148.8	NO
2	2	13C5-PFHxA	1701321-09RE1 JFOSS-08-SB04-0-2 1...	1.67e5	95.5	NO
3	3	13C3-PFHxS	1701321-09RE1 JFOSS-08-SB04-0-2 1...	2.64e4	63.5	NO
4	4	13C8-PFOA	1701321-09RE1 JFOSS-08-SB04-0-2 1...	1.44e5	54.6	NO
5	5	13C9-PFNA	1701321-09RE1 JFOSS-08-SB04-0-2 1...	1.31e5	43.8	YES
6	6	13C4-PFOS	1701321-09RE1 JFOSS-08-SB04-0-2 1...	1.58e4	30.5	YES
7	7	13C6-PFDA	1701321-09RE1 JFOSS-08-SB04-0-2 1...	1.28e5	51.3	NO
8	8	13C7-PFUnA	1701321-09RE1 JFOSS-08-SB04-0-2 1...	9.19e4	29.2	YES

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_98, Date: 18-Oct-2017, Time: 11:11:18, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_99, Date: 18-Oct-2017, Time: 11:21:56, ID: 1701321-12RE1 JFOSS-SO-DUP007-092117 1.11, Description: JFOSS-SO-DUP007-092117

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701321-12RE1 JFOSS-SO-DUP007-0...	1.28e5	165.9	YES
2	2	13C5-PFHxA	1701321-12RE1 JFOSS-SO-DUP007-0...	1.79e5	102.7	NO
3	3	13C3-PFHxS	1701321-12RE1 JFOSS-SO-DUP007-0...	2.87e4	69.1	NO
4	4	13C8-PFOA	1701321-12RE1 JFOSS-SO-DUP007-0...	1.55e5	58.7	NO
5	5	13C9-PFNA	1701321-12RE1 JFOSS-SO-DUP007-0...	1.51e5	50.6	NO
6	6	13C4-PFOS	1701321-12RE1 JFOSS-SO-DUP007-0...	1.74e4	33.6	YES
7	7	13C6-PFDA	1701321-12RE1 JFOSS-SO-DUP007-0...	1.24e5	49.9	NO
8	8	13C7-PFUnA	1701321-12RE1 JFOSS-SO-DUP007-0...	9.24e4	29.4	YES

Name: 171017M4_100, Date: 18-Oct-2017, Time: 11:32:34, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171017M4_101, Date: 18-Oct-2017, Time: 11:43:21, ID: 1701373-08RE1 GALP08213 1, Description: GALP08213

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701373-08RE1 GALP08213 1	1.44e4	93.1	NO
2	2	13C5-PFHxA	1701373-08RE1 GALP08213 1	3.57e4	102.2	NO
3	3	13C3-PFHxS	1701373-08RE1 GALP08213 1	6.00e3	72.1	NO
4	4	13C8-PFOA	1701373-08RE1 GALP08213 1	3.09e4	58.7	NO
5	5	13C9-PFNA	1701373-08RE1 GALP08213 1	3.41e4	57.1	NO
6	6	13C4-PFOS	1701373-08RE1 GALP08213 1	6.61e3	63.6	NO
7	7	13C6-PFDA	1701373-08RE1 GALP08213 1	3.28e4	66.0	NO
8	8	13C7-PFUnA	1701373-08RE1 GALP08213 1	3.22e4	51.3	NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_102, Date: 18-Oct-2017, Time: 11:54:07, ID: 1701321-07RE1@20X JFOSS-08-SB03-0-2 1.31, Description: JFOSS-08-SB03-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701321-07RE1@20X JFOSS-08-SB0...	6.54e3	8.5	YES
2	2	13C5-PFHxA	1701321-07RE1@20X JFOSS-08-SB0...	1.00e4	5.7	YES
3	3	13C3-PFHxS	1701321-07RE1@20X JFOSS-08-SB0...	1.88e3	4.5	YES
4	4	13C8-PFOA	1701321-07RE1@20X JFOSS-08-SB0...	8.36e3	3.2	YES
5	5	13C9-PFNA	1701321-07RE1@20X JFOSS-08-SB0...	9.00e3	3.0	YES
6	6	13C4-PFOS	1701321-07RE1@20X JFOSS-08-SB0...	1.36e3	2.6	YES
7	7	13C6-PFDA	1701321-07RE1@20X JFOSS-08-SB0...	6.03e3	2.4	YES
8	8	13C7-PFUnA	1701321-07RE1@20X JFOSS-08-SB0...	3.22e3	1.0	YES

Name: 171017M4_103, Date: 18-Oct-2017, Time: 12:04:46, ID: 1701321-09RE1@20X JFOSS-08-SB04-0-2 1.13, Description: JFOSS-08-SB04-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701321-09RE1@20X JFOSS-08-SB0...	5.53e3	7.2	YES
2	2	13C5-PFHxA	1701321-09RE1@20X JFOSS-08-SB0...	8.74e3	5.0	YES
3	3	13C3-PFHxS	1701321-09RE1@20X JFOSS-08-SB0...	1.61e3	3.9	YES
4	4	13C8-PFOA	1701321-09RE1@20X JFOSS-08-SB0...	7.59e3	2.9	YES
5	5	13C9-PFNA	1701321-09RE1@20X JFOSS-08-SB0...	6.50e3	2.2	YES
6	6	13C4-PFOS	1701321-09RE1@20X JFOSS-08-SB0...	1.26e3	2.4	YES
7	7	13C6-PFDA	1701321-09RE1@20X JFOSS-08-SB0...	3.74e3	1.5	YES
8	8	13C7-PFUnA	1701321-09RE1@20X JFOSS-08-SB0...	1.78e3	0.6	YES

Name: 171017M4_104, Date: 18-Oct-2017, Time: 12:15:24, ID: 1701321-12RE1@20X JFOSS-SO-DUP007-092117 1.11, Description: JFOSS-SO-DUP007-092117

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701321-12RE1@20X JFOSS-SO-DU...	6.38e3	8.3	YES
2	2	13C5-PFHxA	1701321-12RE1@20X JFOSS-SO-DU...	9.88e3	5.7	YES
3	3	13C3-PFHxS	1701321-12RE1@20X JFOSS-SO-DU...	1.49e3	3.6	YES
4	4	13C8-PFOA	1701321-12RE1@20X JFOSS-SO-DU...	8.13e3	3.1	YES
5	5	13C9-PFNA	1701321-12RE1@20X JFOSS-SO-DU...	8.98e3	3.0	YES
6	6	13C4-PFOS	1701321-12RE1@20X JFOSS-SO-DU...	1.18e3	2.3	YES
7	7	13C6-PFDA	1701321-12RE1@20X JFOSS-SO-DU...	5.15e3	2.1	YES
8	8	13C7-PFUnA	1701321-12RE1@20X JFOSS-SO-DU...	1.55e3	0.5	YES

Name: 171017M4_105, Date: 18-Oct-2017, Time: 12:26:11, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA	5.76e0	0.0	NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Wednesday, October 18, 2017 15:28:53 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 15:31:12 Pacific Daylight Time

Name: 171017M4_106, Date: 18-Oct-2017, Time: 12:36:50, ID: ST171017M4-3 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171017M4-3 PFC CS3 17J1602	1.85e4	119.8	NO
2	2	13C5-PFHxA	ST171017M4-3 PFC CS3 17J1602	4.80e4	137.4	NO
3	3	13C3-PFHxS	ST171017M4-3 PFC CS3 17J1602	1.20e4	144.3	NO
4	4	13C8-PFOA	ST171017M4-3 PFC CS3 17J1602	6.49e4	123.3	NO
5	5	13C9-PFNA	ST171017M4-3 PFC CS3 17J1602	7.45e4	124.6	NO
6	6	13C4-PFOS	ST171017M4-3 PFC CS3 17J1602	1.23e4	118.6	NO
7	7	13C6-PFDA	ST171017M4-3 PFC CS3 17J1602	6.59e4	132.4	NO
8	8	13C7-PFUnA	ST171017M4-3 PFC CS3 17J1602	7.13e4	113.5	NO

Vista Analytical Laboratory

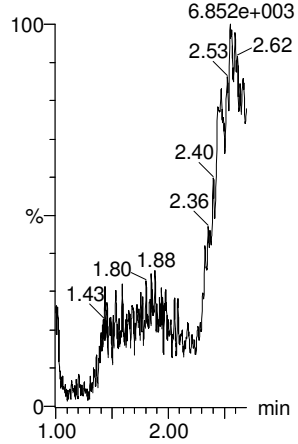
Dataset: Untitled

Last Altered: Thursday, October 19, 2017 16:06:55 Pacific Daylight Time
Printed: Thursday, October 19, 2017 16:07:12 Pacific Daylight Time

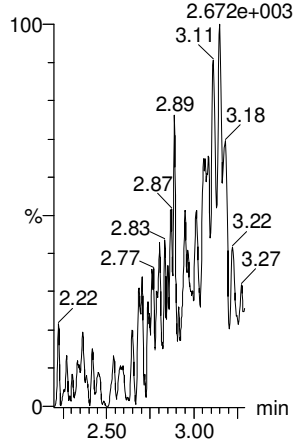
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171017M4_3, Date: 17-Oct-2017, Time: 18:10:40, ID: IPA, Description: IPA

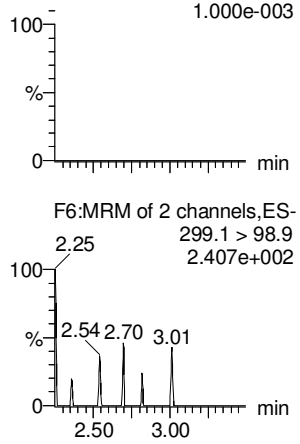
PFBA



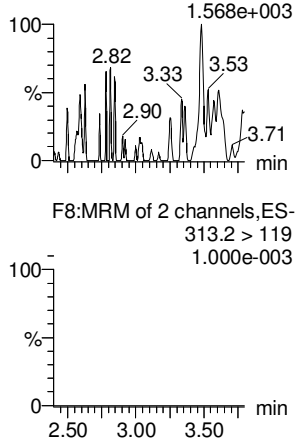
PFPeA



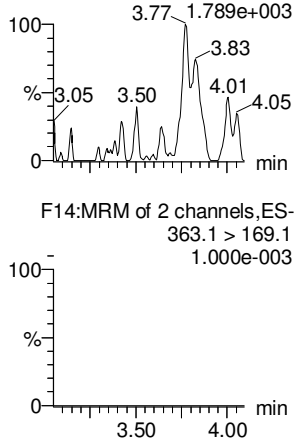
PFBS



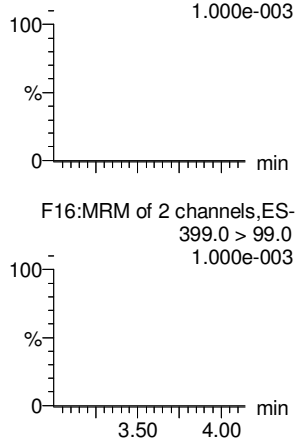
PFHxA



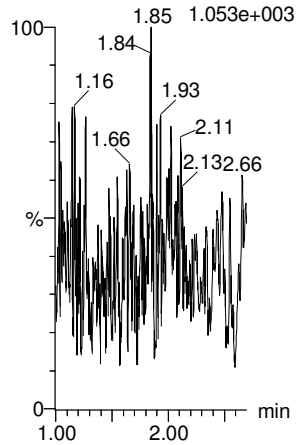
PFHpA



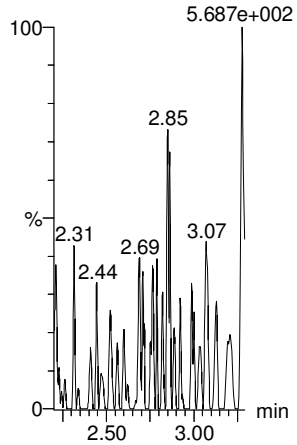
L-PFHxS



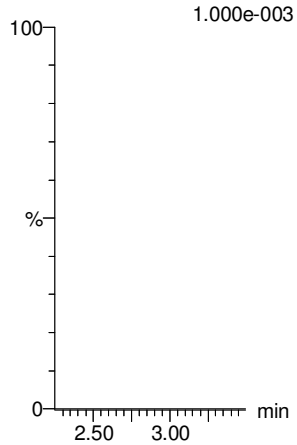
13C3-PFBA



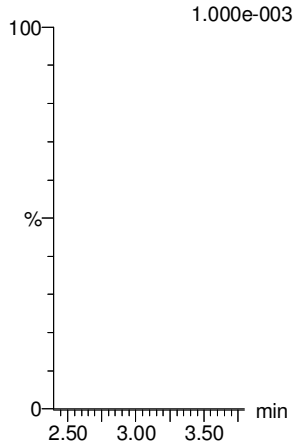
13C3-PFPeA



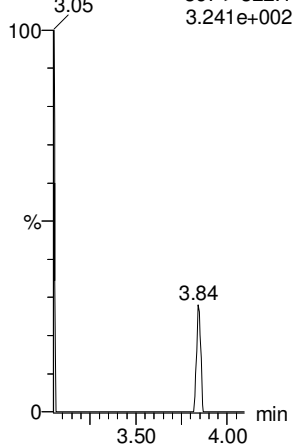
13C3-PFBS



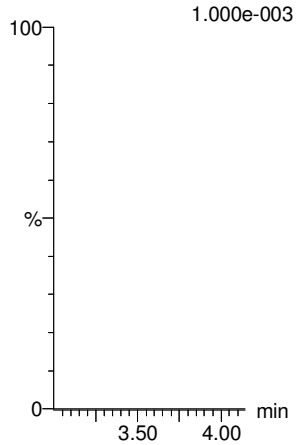
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



GM 10/19/17

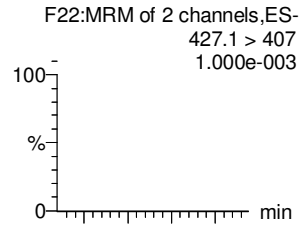
Vista Analytical Laboratory

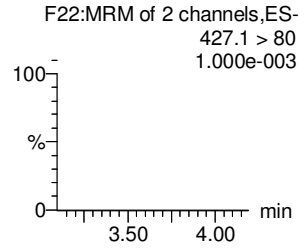
Dataset: Untitled

Last Altered: Thursday, October 19, 2017 16:06:55 Pacific Daylight Time
Printed: Thursday, October 19, 2017 16:07:12 Pacific Daylight Time

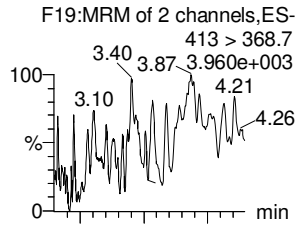
Name: 171017M4_3, Date: 17-Oct-2017, Time: 18:10:40, ID: IPA, Description: IPA

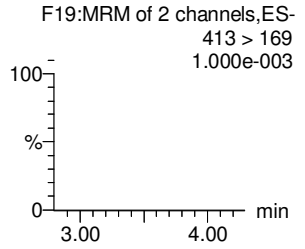
6:2 FTS



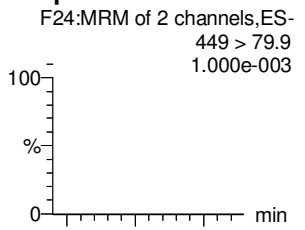


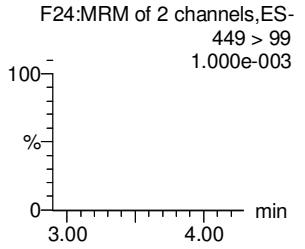
L-PFOA



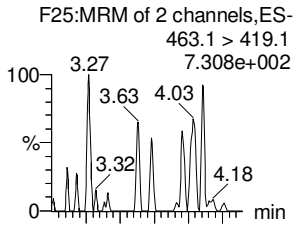


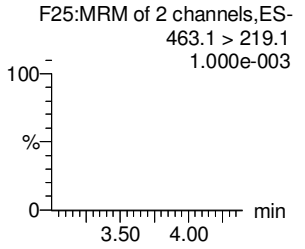
PFHpS



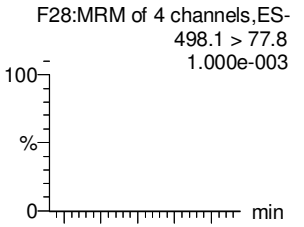


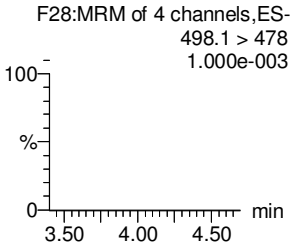
PFNA



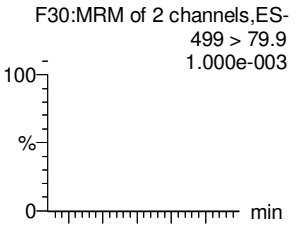


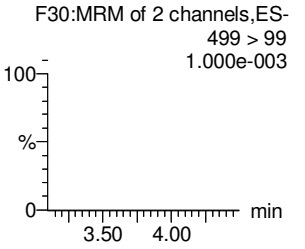
PFOSA



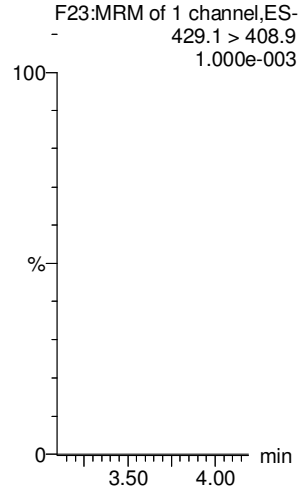


L-PFOS

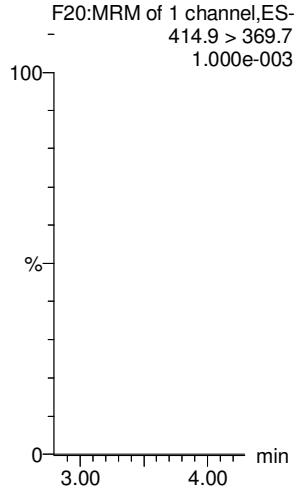




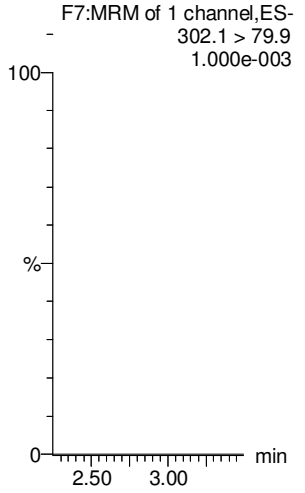
13C2-6:2 FTS



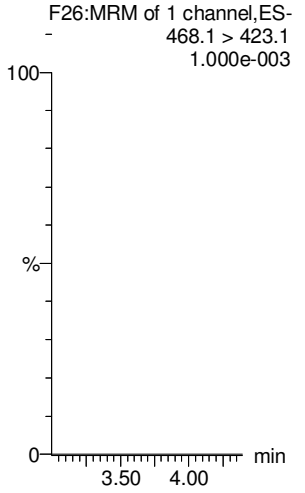
13C2-PFOA



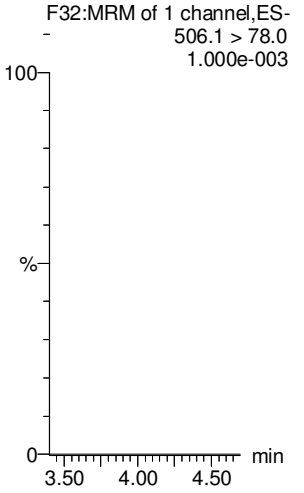
13C3-PFBS



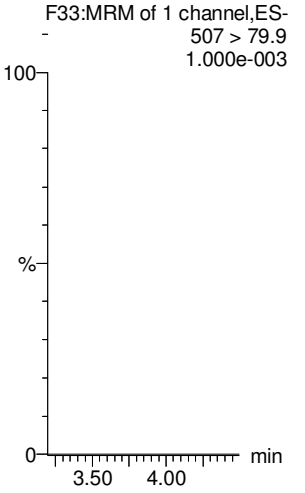
13C5-PFNA



13C8-PFOSA



13C8-PFOS



GM 10/19/17

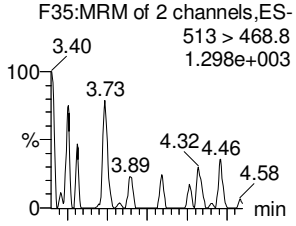
Vista Analytical Laboratory

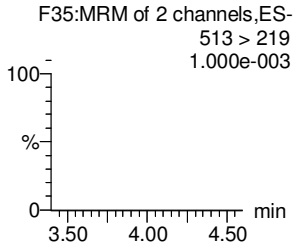
Dataset: Untitled

Last Altered: Thursday, October 19, 2017 16:06:55 Pacific Daylight Time
Printed: Thursday, October 19, 2017 16:07:12 Pacific Daylight Time

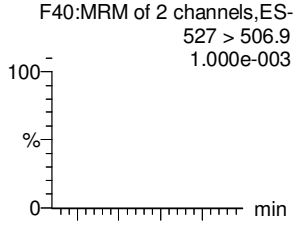
Name: 171017M4_3, Date: 17-Oct-2017, Time: 18:10:40, ID: IPA, Description: IPA

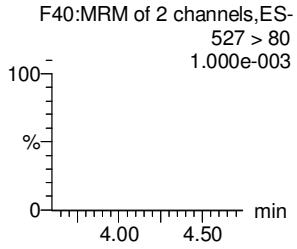
PFDA



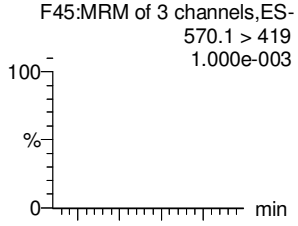


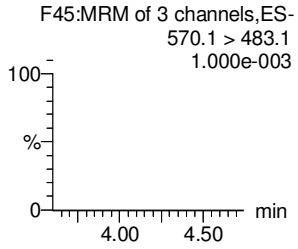
8:2 FTS



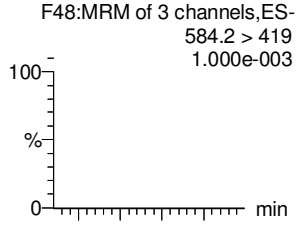


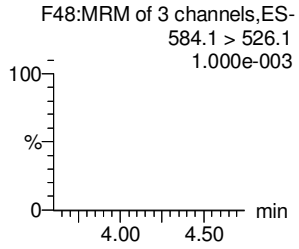
N-MeFOSAA



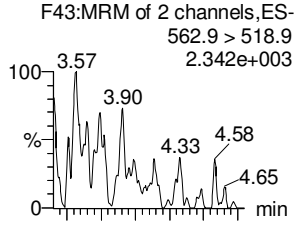


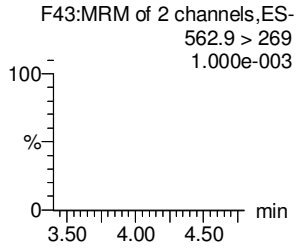
N-EtFOSAA



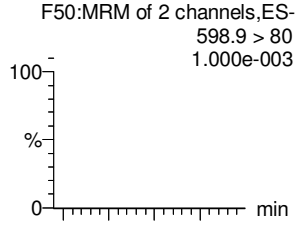


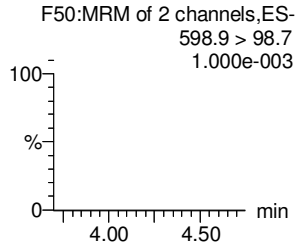
PFUnA



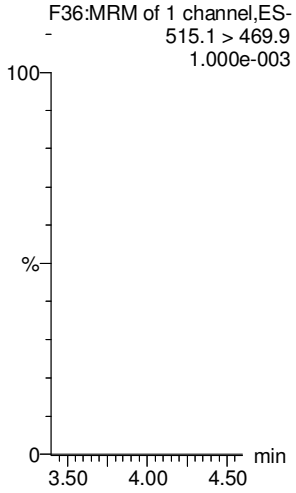


PFDS

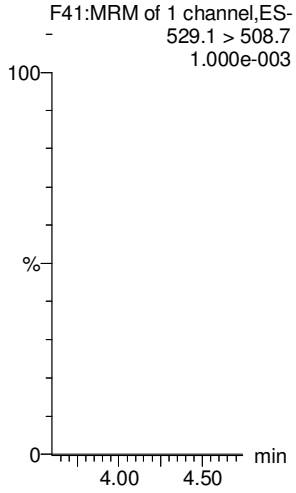




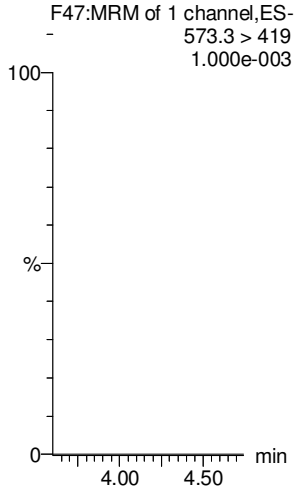
13C2-PFDA



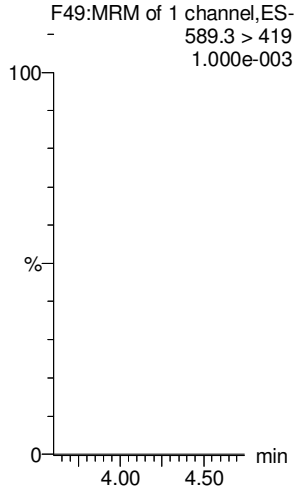
13C2-8:2 FTS



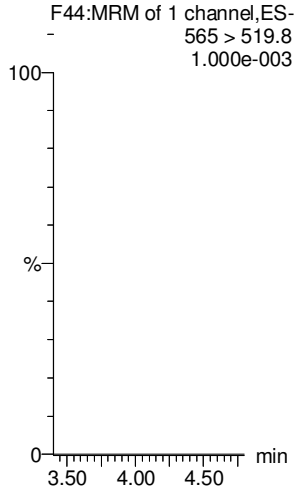
d3-N-MeFOSAA



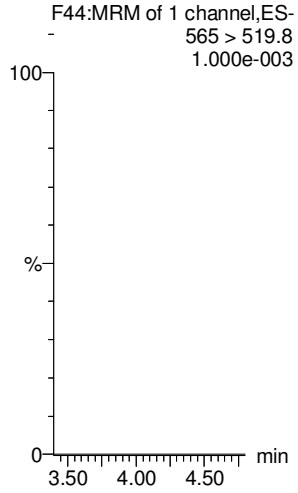
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA



GM 10/19/17

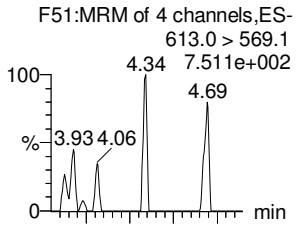
Vista Analytical Laboratory

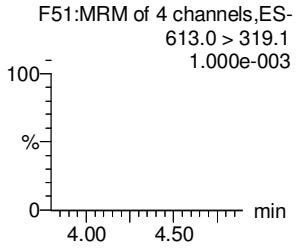
Dataset: Untitled

Last Altered: Thursday, October 19, 2017 16:06:55 Pacific Daylight Time
Printed: Thursday, October 19, 2017 16:07:12 Pacific Daylight Time

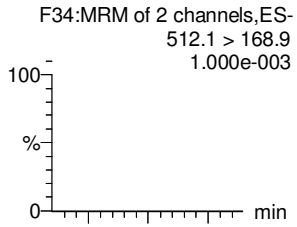
Name: 171017M4_3, Date: 17-Oct-2017, Time: 18:10:40, ID: IPA, Description: IPA

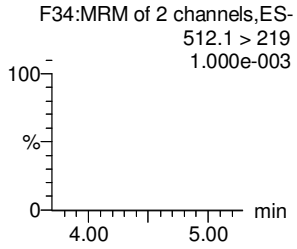
PFDoA



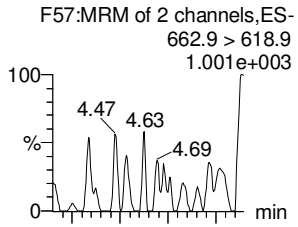


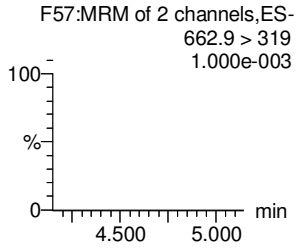
N-MeFOSA



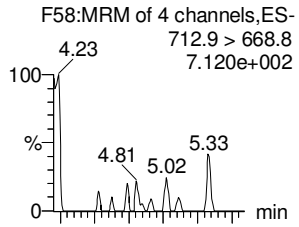


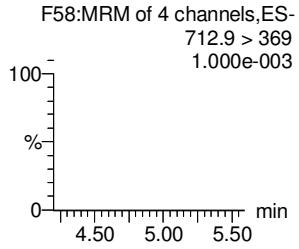
PFTrDA



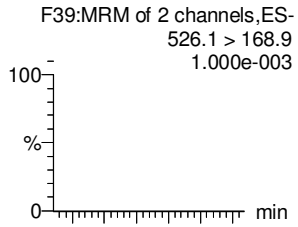


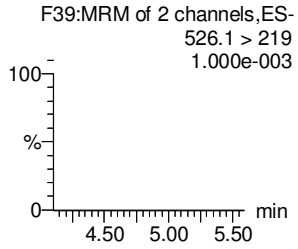
PFTeDA



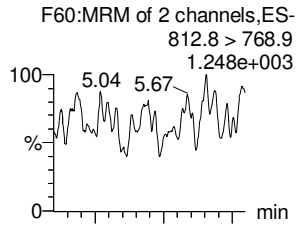


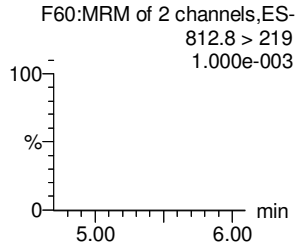
N-EtFOSA



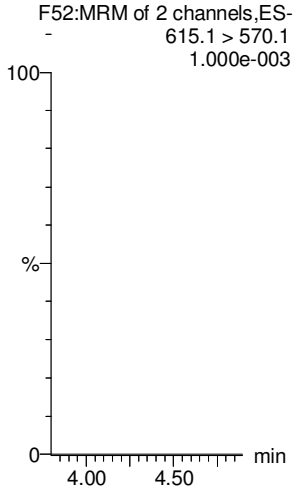


PFHxDA

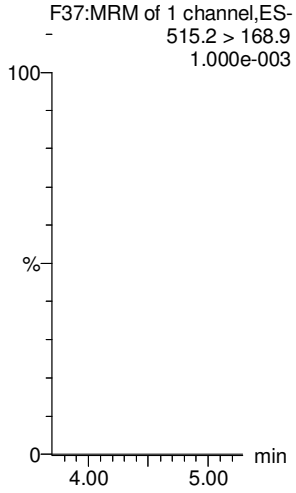




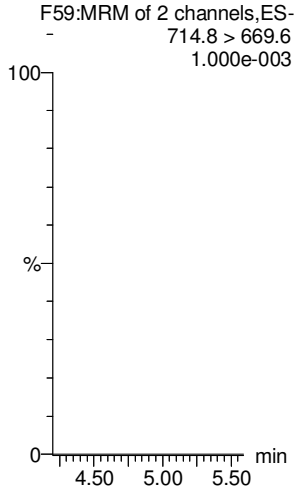
13C2-PFDoA



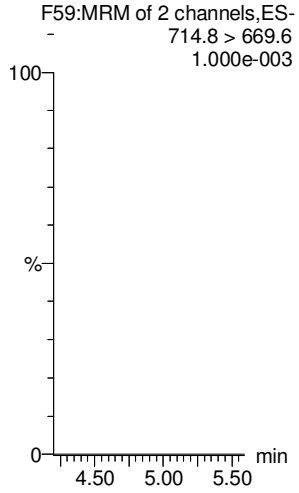
d3-N-MeFOSA



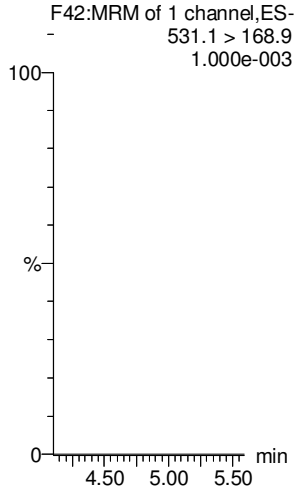
13C2-PFTeDA



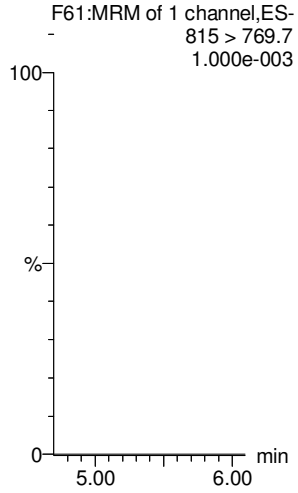
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



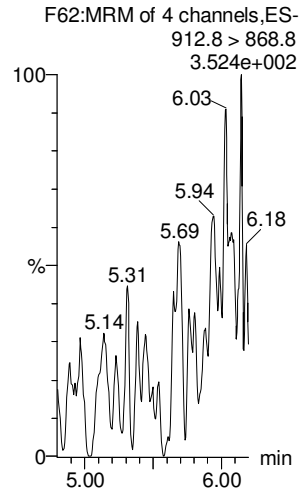
GM 10/19/17

Dataset: Untitled

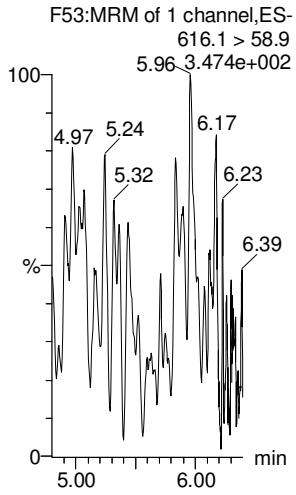
Last Altered: Thursday, October 19, 2017 16:06:55 Pacific Daylight Time
Printed: Thursday, October 19, 2017 16:07:12 Pacific Daylight Time

Name: 171017M4_3, Date: 17-Oct-2017, Time: 18:10:40, ID: IPA, Description: IPA

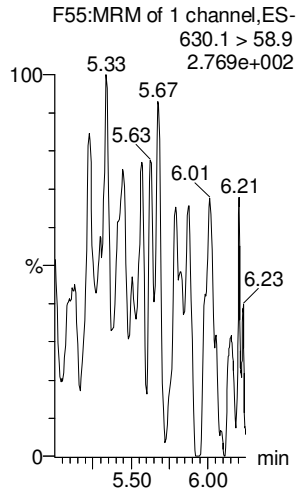
PFODA



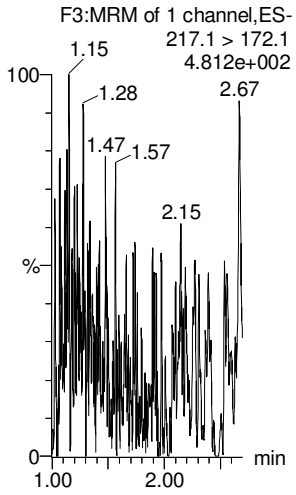
N-MeFOSE



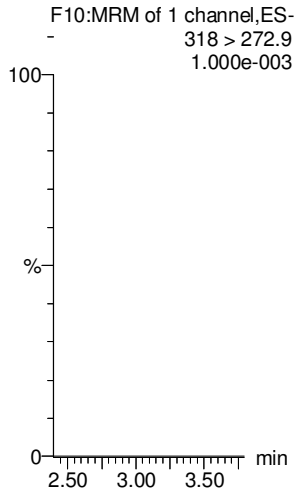
N-EtFOSE



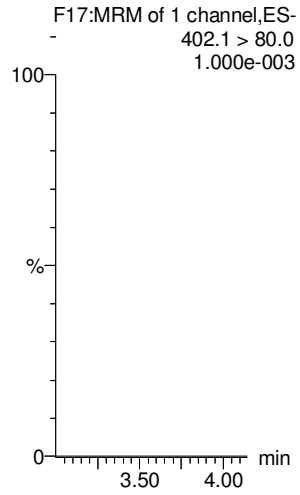
13C4-PFBA



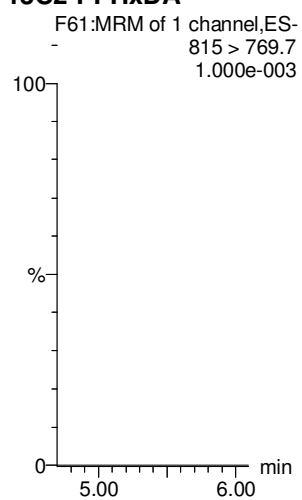
13C5-PFHxA



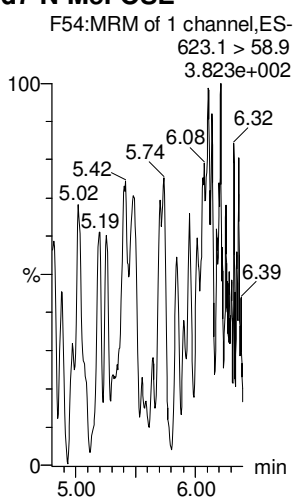
13C3-PFHxS



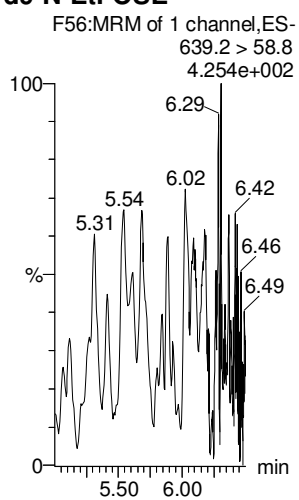
13C2-PFHxDA



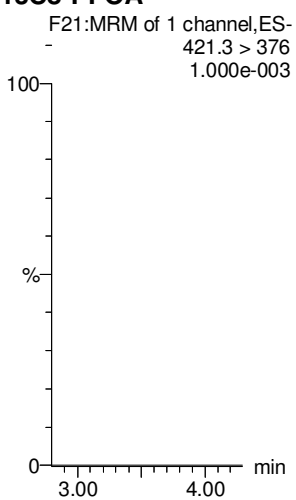
d7-N-MeFOSE



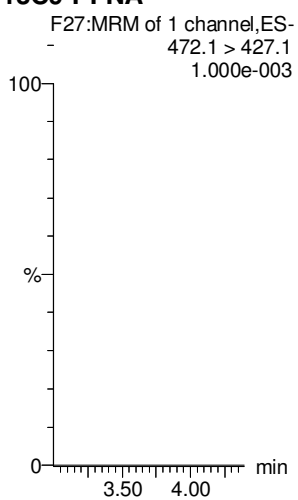
d9-N-EtFOSE



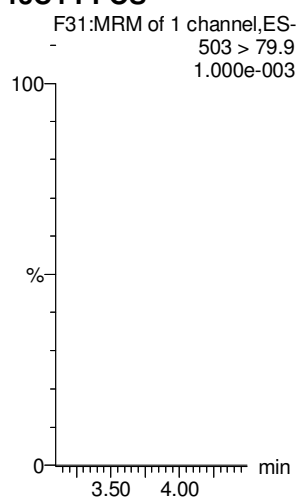
13C8-PFOA



13C9-PFNA



13C4-PFOS



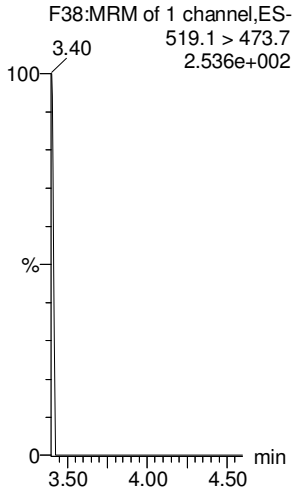
GM 10/19/17

Dataset: Untitled

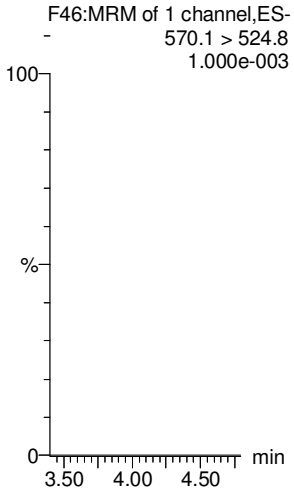
Last Altered: Thursday, October 19, 2017 16:06:55 Pacific Daylight Time
Printed: Thursday, October 19, 2017 16:07:12 Pacific Daylight Time

Name: 171017M4_3, Date: 17-Oct-2017, Time: 18:10:40, ID: IPA, Description: IPA

13C6-PFDA



13C7-PFUnA



GM 10/19/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171017M4\171017M4-2.qld

Last Altered: Wednesday, October 18, 2017 11:18:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:20:06 Pacific Daylight Time

(A) dm 10/19/17
dm 10/19/17

(A) Above limit criteria.

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171017M4_2, Date: 17-Oct-2017, Time: 18:00:01, ID: ST171017M2-1 PFC CS0 17J1603, Description: PFC CS0 17J1603

(A) 4

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	1.31e3	1.47e4		1.32	1.35	1.12	1.01	101.5
2	2	PFPeA	263.1 > 219.1	2.20e3	2.44e4		2.61	2.63	1.13	1.11	110.6
3	3	PFBS	299.1 > 79.9	4.65e2	6.18e3		3.09	2.87	0.940	0.957	95.7
4	4	PFHxA	313.2 > 268.9	3.85e3	9.92e3		3.31	3.12	1.94	1.25	124.8
5	5	PFHpA	363.1 > 319.1	5.50e3	6.62e4		3.56	3.39	1.04	0.989	98.9
6	6	L-PFHxS	399.0 > 80.0	6.77e2	4.30e3		3.63	3.46	1.97	1.02	102.4
7	8	6:2 FTS	427.1 > 407	7.75e2	9.79e3		3.76	3.57	0.989	0.901	90.1
8	9	L-PFOA	413 > 368.7	6.64e3	6.18e4		3.77	3.59	1.34	0.920	92.0
9	11	PFHpS	449 > 79.9	1.09e3	6.18e4		3.83	3.65	0.220	1.38	(A) 137.6
10	12	PFNA	463.1 > 419.1	5.24e3	5.58e4		3.96	3.77	1.17	1.03	103.2
11	13	PFOSA	498.1 > 77.8	7.79e2	9.00e3		3.96	3.78	1.08	0.958	95.8
12	14	L-PFOS	499 > 79.9	1.18e3	1.14e4		3.81	3.81	1.29	1.15	115.4
13	16	PFDA	513 > 468.8	6.07e3	4.85e4		4.14	3.93	1.56	0.997	99.7
14	17	8:2 FTS	527 > 506.9	6.89e2	6.60e3		4.14	3.93	1.31	0.870	87.0
15	18	N-MeFOSAA	570.1 > 419	1.78e3	1.38e4		4.17	3.96	21.0	1.23	122.6
16	19	N-EtFOSAA	584.2 > 419	1.38e3	1.51e4		4.23	4.03	14.8	1.09	109.4
17	20	PFUnA	562.9 > 518.9	4.54e3	6.09e4		4.31	4.10	0.932	1.30	129.9
18	21	PFDS	598.9 > 80	8.27e2	6.09e4		4.36	4.15	0.170	1.10	110.0
19	22	PFDoA	613.0 > 569.1	5.51e3	6.33e4		4.49	4.25	1.09	0.941	94.1
20	23	N-MeFOSA	512.1 > 168.9	1.05e3	3.25e4		4.16	4.19	4.84	3.92	78.4
21	24	PFTrDA	662.9 > 618.9	6.60e3	6.33e4		4.68	4.42	1.30	1.30	130.0
22	25	PFTeDA	712.9 > 668.8	4.00e3	4.81e4		4.60	4.59	1.04	1.01	101.3
23	26	N-EtFOSA	526.1 > 168.9	1.54e3	5.04e4		5.13	4.80	4.57	4.65	93.0
24	27	PFHxDA	812.8 > 768.9	7.08e3	2.12e4		5.28	4.96	1.67	1.06	106.3
25	28	PFODA	912.8 > 868.8	7.26e3	2.12e4		5.67	5.33	1.72	1.21	120.9
26	29	N-MeFOSE	616.1 > 58.9	2.51e3	6.79e4		5.43	5.41	5.54	5.17	103.4
27	30	N-EtFOSE	630.1 > 58.9	2.80e3	6.93e4		5.60	5.59	6.05	5.01	100.3
28	31	13C3-PFBA	216.1 > 172.1	1.47e4	1.54e4	0.956	1.32	1.34	11.9	12.4	99.4
29	32	13C3-PFPeA	266.1 > 222.1	2.44e4	3.54e4	0.288	2.91	2.63	3.45	12.0	95.6
30	33	13C3-PFBS	302.1 > 79.9	6.18e3	3.54e4	0.065	3.09	2.88	0.873	13.4	106.9
31	34	13C2-PFHxA	315 > 269.8	9.92e3	3.54e4	0.297	3.31	3.12	1.40	4.72	94.5
32	35	13C4-PFHpA	367 > 322.1	6.62e4	3.54e4	0.641	3.56	3.39	9.35	14.6	116.6

70-130

50-150

dm 10/19/17

VJA. 10/19/2017

Dataset: U:\Q4.PRO\results\171017M4\171017M4-2.qld

Last Altered: Wednesday, October 18, 2017 11:18:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:20:06 Pacific Daylight Time

Name: 171017M4_2, Date: 17-Oct-2017, Time: 18:00:01, ID: ST171017M4-2 (A) PFC CS0 17J1603, Description: PFC CS0 17J1603

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	36	18O2-PFHxS	403 > 103.0	4.30e3	8.21e3	0.519	3.63	3.46	6.54	12.6	100.8
34	37	13C2-6:2 FTS	429.1 > 408.9	9.79e3	5.27e4	0.177	3.76	3.58	2.32	13.1	104.9
35	38	13C2-PFOA	414.9 > 369.7	6.18e4	5.27e4	1.147	3.77	3.59	14.7	12.8	102.3
36	39	13C5-PFNA	468.1 > 423.1	5.58e4	5.98e4	0.939	3.96	3.77	11.7	12.4	99.4
37	40	13C8-PFOSA	506.1 > 78.0	9.00e3	6.38e4	0.177	3.96	3.77	1.76	9.95	79.6
38	41	13C8-PFOS	507 > 79.9	1.14e4	1.04e4	1.067	3.81	3.82	13.7	12.8	102.7
39	42	13C2-PFDA	515.1 > 469.9	4.85e4	4.97e4	0.835	4.14	3.93	12.2	14.6	116.8
40	43	13C2-8:2 FTS	529.1 > 508.7	6.60e3	4.97e4	0.118	4.14	3.93	1.66	14.1	112.8
41	44	d3-N-MeFOSAA	573.3 > 419	1.38e4	6.38e4	0.013	4.17	3.96	2.70	204	125.8
42	45	d5-N-EtFOSAA	589.3 > 419	1.51e4	6.38e4	0.015	4.23	4.03	2.95	192	118.4
43	46	13C2-PFUnA	565 > 519.8	6.09e4	6.38e4	1.017	4.31	4.10	11.9	11.7	93.9
44	47	13C2-PFDoA	615.1 > 570.1	6.33e4	6.38e4	0.984	4.49	4.25	12.4	12.6	100.8
45	48	d3-N-MeFOSA	515.2 > 168.9	3.25e4	6.38e4	0.069	4.16	4.22	6.36	91.7	61.1
46	49	13C2-PFTeDA	714.8 > 669.6	4.81e4	6.38e4	0.618	4.88	4.59	9.42	15.2	122.0
47	50	d5-N-ETFOSA	531.1 > 168.9	5.04e4	6.38e4	0.108	5.13	4.85	9.88	91.3	60.9
48	51	13C2-PFHxDA	815 > 769.7	2.12e4	6.38e4	0.797	5.28	4.95	4.14	5.20	104.0
49	52	d7-N-MeFOSE	623.1 > 58.9	6.79e4	6.38e4	0.139	5.43	5.40	13.3	96.0	64.0
50	53	d9-N-EtFOSE	639.2 > 58.8	6.93e4	6.38e4	0.135	5.60	5.58	13.6	100	66.9
51	54	13C4-PFBA	217.1 > 172.1	1.54e4	1.54e4	1.000	1.32	1.35	12.5	12.5	100.0
52	55	13C5-PFHxA	318 > 272.9	3.54e4	3.54e4	1.000	3.31	3.12	5.00	5.00	100.0
53	56	13C3-PFHxS	402.1 > 80.0	8.21e3	8.21e3	1.000	3.63	3.46	12.5	12.5	100.0
54	57	13C8-PFOA	421.3 > 376	5.27e4	5.27e4	1.000	3.77	3.59	12.5	12.5	100.0
55	58	13C9-PFNA	472.1 > 427.1	5.98e4	5.98e4	1.000	3.96	3.77	12.5	12.5	100.0
56	59	13C4-PFOS	503 > 79.9	1.04e4	1.04e4	1.000	3.81	3.82	12.5	12.5	100.0
57	60	13C6-PFDA	519.1 > 473.7	4.97e4	4.97e4	1.000	4.14	3.93	12.5	12.5	100.0
58	61	13C7-PFUnA	570.1 > 524.8	6.38e4	6.38e4	1.000	4.31	4.10	12.5	12.5	100.0

50-150

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171017M4\IIIS.qld

Last Altered: Wednesday, October 18, 2017 15:34:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 18:08:49 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-10-12-17.mdb 12 Oct 2017 12:38:07
Calibration: 18 Oct 2017 15:23:23

Compound name: 13C4-PFBA (A) dm 10/19/17

	Name	ID	Acq.Date	Acq.Time
1	171017M4_2	ST171017M4-1 PFC CS0 17J1603	17-Oct-17	18:00:01
2	171017M4_3	IPA	17-Oct-17	18:10:40
3	171017M4_4	B7J0071-BS1 OPR 0.125	17-Oct-17	18:21:21
4	171017M4_5	B7J0071-BSD1 LCS Dup 0.125	17-Oct-17	18:32:06
5	171017M4_6	IPA	17-Oct-17	18:42:44
6	171017M4_7	B7J0071-BLK1 Method Blank 0.125	17-Oct-17	18:53:31
7	171017M4_8	B7J0071-MS1 Matrix Spike 0.125	17-Oct-17	19:04:17
8	171017M4_9	B7J0071-MSD1 Matrix Spike Dup 0.125	17-Oct-17	19:15:03
9	171017M4_10	1701346-01RE1 GALPAB201 0.11861	17-Oct-17	19:25:42
10	171017M4_11	1701346-02RE1 GALP08203 0.11988	17-Oct-17	19:36:43
11	171017M4_12	1701432-02 EB02_20171002 0.125	17-Oct-17	19:47:48
12	171017M4_13	1701432-03 EB03_20171003 0.125	17-Oct-17	19:58:34
13	171017M4_14	1701432-04 EB04_20171003 0.125	17-Oct-17	20:09:13
14	171017M4_15	1701432-05 EB05_20171004 0.125	17-Oct-17	20:19:51
15	171017M4_16	1701432-06 Site 3-GW-03GW01-20171004 0....	17-Oct-17	20:30:39
16	171017M4_17	1701432-10 Site 4-GW-04GW02-20171004 0....	17-Oct-17	20:41:24
17	171017M4_18	1701432-12 EB06_20171005 0.125	17-Oct-17	20:52:02
18	171017M4_19	1701432-13 Site 3-GW-MW1-20171005 0.125	17-Oct-17	21:02:49
19	171017M4_20	1701432-18@5X Site 3-GW-03GW03-201710...	17-Oct-17	21:13:36
20	171017M4_21	1701432-18 Site 3-GW-03GW03-20171005 0....	17-Oct-17	21:24:22
21	171017M4_22	1701430-02RE1@5X Foam-6603 Loud 0.00104	17-Oct-17	21:35:08
22	171017M4_23	IPA	17-Oct-17	21:45:47
23	171017M4_24	ST171017M4-2 PFC CS3 17J1602	17-Oct-17	21:56:33
24	171017M4_25	IPA	17-Oct-17	22:07:19
25	171017M4_26	B7J0087-BS1@250X OPR 0.001	17-Oct-17	22:18:00
26	171017M4_27	IPA	17-Oct-17	22:28:59
27	171017M4_28	B7J0087-BLK1@250X Method Blank 0.001	17-Oct-17	22:39:37
28	171017M4_29	1701322-08RE2@250X JFOSS-GW-TW06-09...	17-Oct-17	22:50:16
29	171017M4_30	1701322-10RE2@500X JFOSS-GW-TW13-09...	17-Oct-17	23:01:02
30	171017M4_31	1701385-06@5X B-H-GW 0.11258	17-Oct-17	23:11:41
31	171017M4_32	IPA	17-Oct-17	23:22:27
32	171017M4_33	1701385-07 B-I-GW 0.11542	17-Oct-17	23:33:05

Dataset: U:\Q4.PRO\results\171017M4\IIIS.qld

Last Altered: Wednesday, October 18, 2017 15:34:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 18:08:49 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
33	171017M4_34	B7J0081-BS1 OPR 0.25	17-Oct-17	23:43:44
34	171017M4_35	B7J0092-BS1 OPR 0.125	17-Oct-17	23:54:30
35	171017M4_36	B7J0093-BS1 OPR 0.125	18-Oct-17	00:05:08
36	171017M4_37	B7J0098-BS1 OPR 1	18-Oct-17	00:15:47
37	171017M4_38	B7J0099-BS1 OPR 1	18-Oct-17	00:26:28
38	171017M4_39	B7J0099-BSD1 LCS Dup 1	18-Oct-17	00:37:34
39	171017M4_40	B7J0092-BLK1 Method Blank 0.125	18-Oct-17	00:48:25
40	171017M4_41	B7J0093-BLK1 Method Blank 0.125	18-Oct-17	00:59:15
41	171017M4_42	B7J0081-BLK1 Method Blank 0.25	18-Oct-17	01:09:53
42	171017M4_43	B7J0098-BLK1 Method Blank 1	18-Oct-17	01:20:32
43	171017M4_44	B7J0099-BLK1 Method Blank 1	18-Oct-17	01:31:18
44	171017M4_45	1701405-01 RI17-MW19-(19-20)-100317 0.26...	18-Oct-17	01:41:56
45	171017M4_46	1701405-02 RI17-MW19-(29-30)-100317 0.26...	18-Oct-17	01:52:35
46	171017M4_47	1701405-03 RI17-MW19-(39-40)-100317 0.26...	18-Oct-17	02:03:21
47	171017M4_48	1701405-04 RI17-MW19-(49-50)-100317 0.25...	18-Oct-17	02:14:00
48	171017M4_49	1701405-05 RI17-MW24-(17-18)-100317 0.26...	18-Oct-17	02:24:46
49	171017M4_50	1701405-06 RI17-MW24-(26-27)-100317 0.2629	18-Oct-17	02:35:32
50	171017M4_51	IPA	18-Oct-17	02:46:20
51	171017M4_52	ST171017M4-3 PFC CS3 17J1602	18-Oct-17	02:57:11
52	171017M4_53	IPA	18-Oct-17	03:07:57
53	171017M4_54	1701405-07 RI17-MW24-(36-37)-100317 0.26...	18-Oct-17	03:18:36
54	171017M4_55	1701405-08 RI17-MW24-(46-47)-100317 0.26...	18-Oct-17	03:29:22
55	171017M4_56	1701405-09 RI17-FRB1-100317 0.25919	18-Oct-17	03:40:01
56	171017M4_57	1701405-10 RI17-MW25-(49-50)-100317-Dup ...	18-Oct-17	03:50:39
57	171017M4_58	1701451-01 IDW-TF5-FRAC 0.26565	18-Oct-17	04:01:26
58	171017M4_59	1701451-02 IDW-TF5-COMP1 0.24492	18-Oct-17	04:12:12
59	171017M4_60	1701452-01 IDW-TF4-FRAC 0.23028	18-Oct-17	04:22:59
60	171017M4_61	1701452-02 IDW-TF4-COMP1 0.25588	18-Oct-17	04:33:45
61	171017M4_62	1701452-03 IDW-TF4-COMP2 0.26426	18-Oct-17	04:44:23
62	171017M4_63	1701432-08RE1 Site 4-GW-04GW03-2017100...	18-Oct-17	04:55:10
63	171017M4_64	1701439-02 Site 3-GW-03GW02-20171005 0....	18-Oct-17	05:05:56
64	171017M4_65	IPA	18-Oct-17	05:16:43
65	171017M4_66	ST171017M4-4 PFC CS0 17J1603	18-Oct-17	05:27:22
66	171017M4_67	IPA	18-Oct-17	05:38:38
67	171017M4_68	1701439-04 Site 4-GW-04GW01-20171006 0....	18-Oct-17	05:49:23
68	171017M4_69	1701425-01 WT1710041515JNR 0.125	18-Oct-17	06:00:09

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171017M4\IIIS.qld

Last Altered: Wednesday, October 18, 2017 15:34:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 18:08:49 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
69	171017M4_70	1701425-02 FB1710041520JNR 0.125	18-Oct-17	06:10:47
70	171017M4_71	1701425-03 WT1710041545JNR 0.125	18-Oct-17	06:21:26
71	171017M4_72	1701425-04 WT1710041605JNR 0.125	18-Oct-17	06:32:04
72	171017M4_73	1701425-05 WT1710041625JNR 0.125	18-Oct-17	06:42:51
73	171017M4_74	1701425-06 WT1710041645JNR 0.125	18-Oct-17	06:53:29
74	171017M4_75	1701425-07 WT1710041700JNR 0.125	18-Oct-17	07:04:07
75	171017M4_76	1701425-08 WT1710041715JNR 0.125	18-Oct-17	07:14:54
76	171017M4_77	1701425-09 WT1710050925JNR 0.125	18-Oct-17	07:25:40
77	171017M4_78	1701425-10 WT1710051000JNR 0.125	18-Oct-17	07:36:20
78	171017M4_79	IPA	18-Oct-17	07:47:21
79	171017M4_80	ST171017M4-5 PFC CS3 17J1602	18-Oct-17	07:58:06
80	171017M4_81	IPA	18-Oct-17	08:08:45
81	171017M4_82	1701425-11 WT1710040900JNR 0.125	18-Oct-17	08:19:23
82	171017M4_83	1701425-12 WT1710040915JNR 0.125	18-Oct-17	08:30:01
83	171017M4_84	1701425-13 WT1710040930JNR 0.125	18-Oct-17	08:40:39
84	171017M4_85	1701425-14 WT1710041015JNR 0.125	18-Oct-17	08:51:19
85	171017M4_86	1701425-15 WT1710041040JNR 0.125	18-Oct-17	09:02:05
86	171017M4_87	1701425-16 WT1710041055JNR 0.125	18-Oct-17	09:12:51
87	171017M4_88	1701425-17 WT1710041115JNR 0.125	18-Oct-17	09:23:29
88	171017M4_89	1701425-18 WT1710041250JNR 0.125	18-Oct-17	09:34:16
89	171017M4_90	1701425-19 WT1710041305JNR 0.125	18-Oct-17	09:44:54
90	171017M4_91	1701425-20 WT1710041500JNR 0.125	18-Oct-17	09:55:33
91	171017M4_92	IPA	18-Oct-17	10:06:28
92	171017M4_93	ST171017M4-6 PFC CS3 17J1602	18-Oct-17	10:17:22
93	171017M4_94	IPA	18-Oct-17	10:28:18
94	171017M4_95	1701321-07RE1 JFOSS-08-SB03-0-2 1.31	18-Oct-17	10:39:14
95	171017M4_96	IPA	18-Oct-17	10:49:53
96	171017M4_97	1701321-09RE1 JFOSS-08-SB04-0-2 1.13	18-Oct-17	11:00:31
97	171017M4_98	IPA	18-Oct-17	11:11:18
98	171017M4_99	1701321-12RE1 JFOSS-SO-DUP007-092117 ...	18-Oct-17	11:21:56
99	171017M4_100	IPA	18-Oct-17	11:32:34
100	171017M4_101	1701373-08RE1 GALP08213 1	18-Oct-17	11:43:21
101	171017M4_102	1701321-07RE1@20X JFOSS-08-SB03-0-2 1....	18-Oct-17	11:54:07
102	171017M4_103	1701321-09RE1@20X JFOSS-08-SB04-0-2 1....	18-Oct-17	12:04:46
103	171017M4_104	1701321-12RE1@20X JFOSS-SO-DUP007-0...	18-Oct-17	12:15:24
104	171017M4_105	IPA	18-Oct-17	12:26:11

Dataset: U:\Q4.PRO\results\171017M4\IIIS.qld

Last Altered: Wednesday, October 18, 2017 15:34:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 18:08:49 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
105	171017M4_106	ST171017M4-3 PFC CS3 17J1602	18-Oct-17	12:36:50

LC Calibration Standards Review Checklist Q4

		ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	NA
Calibration ID: STI71017M4-1	L M H	NA ☐	☑ (A)	☑	☑	☑	☑	☐
Calibration ID: -2	L M H	☐	☑ (B)	☑	☑	☑	☑	☐
Calibration ID: -3	L M H	☐	☑ (B)(D) am 10/10/17	☑	☑	☑	☑	☐
Calibration ID: -4	L M H	☐	☑ (B)(C)(E)	☑	☑	☑	☑	☐
Calibration ID: -5	L M H	☐	☑ (B)(F)	☑	☑	☑	☑	☐
Calibration ID: -6	L M H	☐	☑ (B)(F)	☑	☑	☑	☑	☐
Calibration ID: -7	L M H	☑	☑ (D)(G)	☑	☑	☑	☑	☑
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:	L M H	☐	☐	☐	☐	☐	☐	☐

Full Mass Cal. Date: 6/21/17

Run Log Present: ☑

# of Samples per Sequence Checked: ☑

Reviewed By: JA. 10/19/2017
Initials/Date

Comments: Full
(A) PFHpS 137%.
(B) PFTrDA & PFUnA >130%.
(C) 8:2 103.3%.
(D) PFTrDA ~~132.9%~~ am 10/10/17 >130%.
(E) d7-N-MeFOSE 48.4%. (F) 13C2 PFTeDA >150%.
(G) d3-N-MeFOSA, d5-N-EtFOSA, d7-N-MeFOSE, d9-N-EtFOSE } <50%.

Dataset: U:\Q4.PRO\results\171017M4\171017M4-2.qld

Last Altered: Wednesday, October 18, 2017 11:18:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:20:06 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171017M4_2, Date: 17-Oct-2017, Time: 18:00:01, ID: ST171017M2-1 PFC CS0 17J1603, Description: PFC CS0 17J1603

PFBA
F1:MRM of 1 channel,ES-
213.1 > 169.1
2.851e+004
PFBA
1.35
1.31e3
28213
MM
0.99
2.57
2.43
1.91

PFPeA
F4:MRM of 1 channel,ES-
263.1 > 219.1
4.718e+004

PFBS
F6:MRM of 2 channels,ES-
299.1 > 79.9
1.291e+004
PFBS
2.87
4.65e2
12906
MM

F6:MRM of 2 channels,ES-
299.1 > 98.9
2.87 5.117e+003
2.71
2.92
3.25

PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
8.395e+004
PFHxA
3.12
3.85e3
83662
bb

F8:MRM of 2 channels,ES-
313.2 > 119
3.12 2.189e+002

PFHpA
F14:MRM of 2 channels,ES-
363.1 > 319.1
1.297e+005

F14:MRM of 2 channels,ES-
363.1 > 169.1
1.699e+003

L-PFHxS
F16:MRM of 2 channels,ES-
399.0 > 80.0
1.289e+004

F16:MRM of 2 channels,ES-
399.0 > 99.0
6.847e+003
3.40
3.60

13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 172.1
3.196e+005

13C3-PFPeA
F5:MRM of 1 channel,ES-
266.1 > 222.1
5.476e+005

13C3-PFBS
F7:MRM of 1 channel,ES-
302.1 > 79.9
1.455e+005

13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
2.110e+005

13C4-PFHpA
F15:MRM of 1 channel,ES-
367 > 322.1
1.407e+006

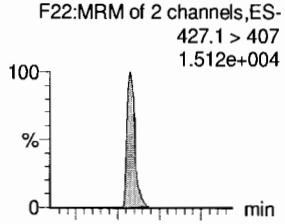
18O2-PFHxS
F18:MRM of 1 channel,ES-
403 > 103.0
8.722e+004

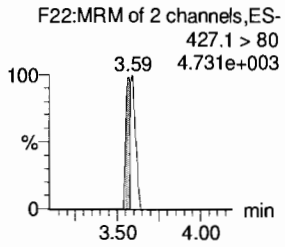
Dataset: U:\Q4.PRO\results\171017M4\171017M4-2.qld

Last Altered: Wednesday, October 18, 2017 11:18:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:20:06 Pacific Daylight Time

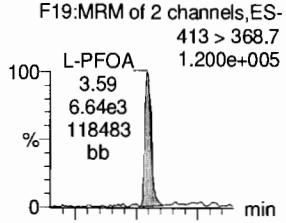
Name: 171017M4_2, Date: 17-Oct-2017, Time: 18:00:01, ID: ST171017M4-1 PFC CS0 17J1603, Description: PFC CS0 17J1603

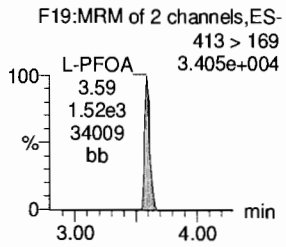
6:2 FTS



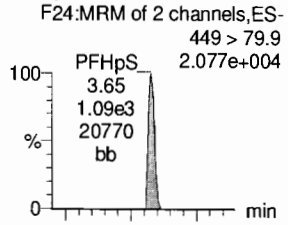


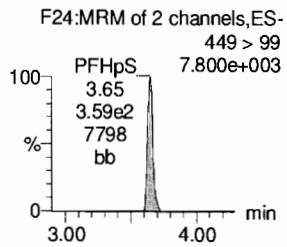
L-PFOA



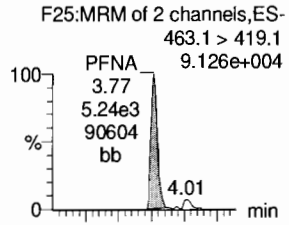


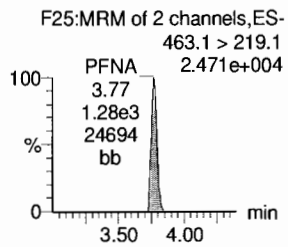
PFHpS



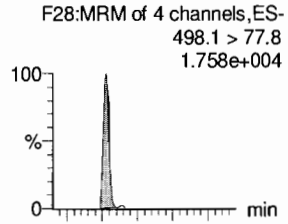


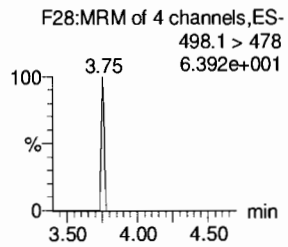
PFNA



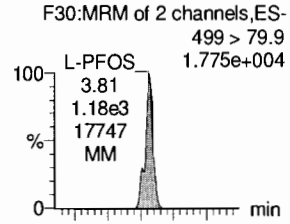


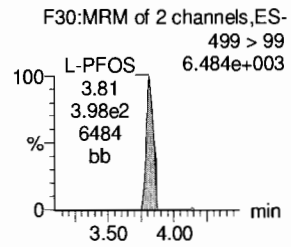
PFOSA



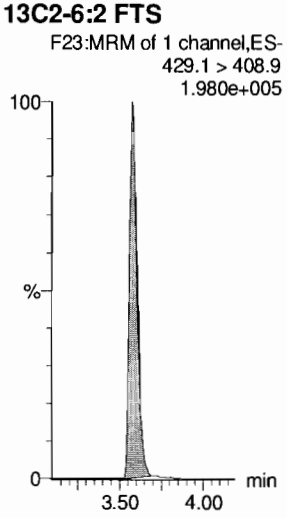


L-PFOS

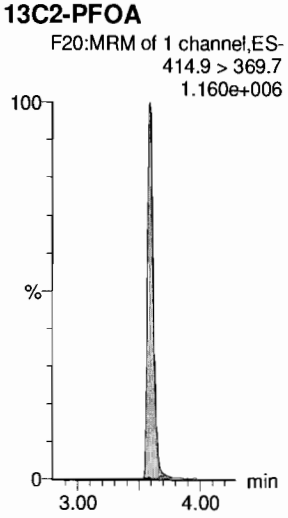




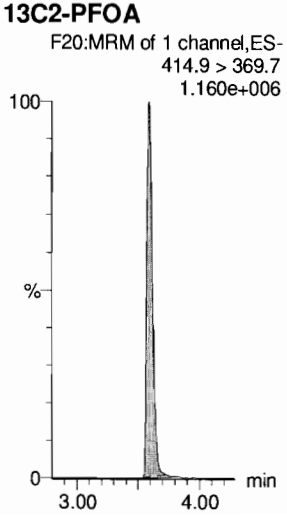
13C2-6:2 FTS



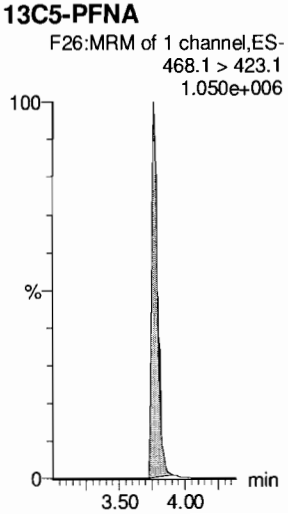
13C2-PFOA



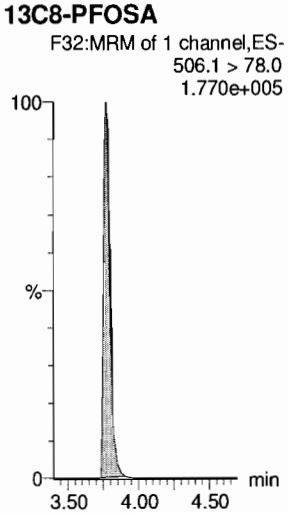
13C2-PFOA



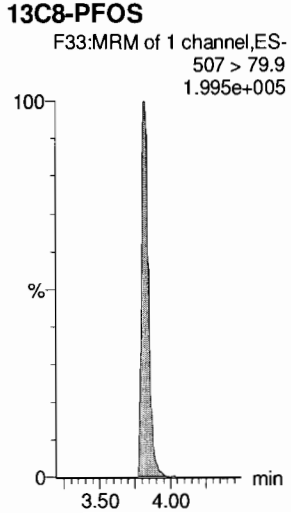
13C5-PFNA



13C8-PFOSA



13C8-PFOS

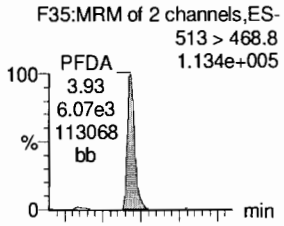


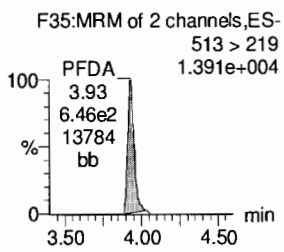
Dataset: U:\Q4.PRO\results\171017M4\171017M4-2.qld

Last Altered: Wednesday, October 18, 2017 11:18:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:20:06 Pacific Daylight Time

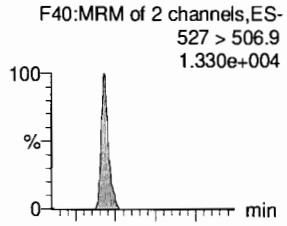
Name: 171017M4_2, Date: 17-Oct-2017, Time: 18:00:01, ID: ST171017M2-1 PFC CS0 17J1603, Description: PFC CS0 17J1603

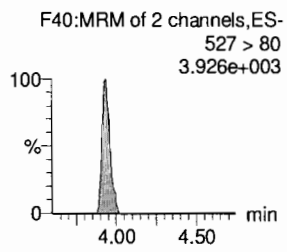
PFDA



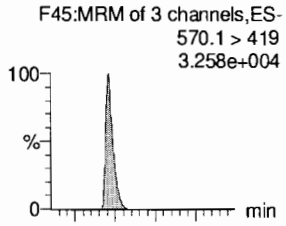


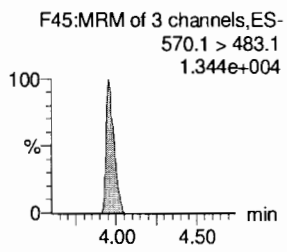
8:2 FTS



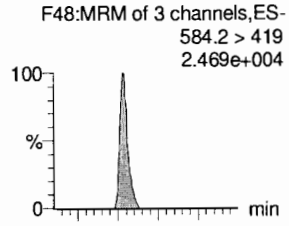


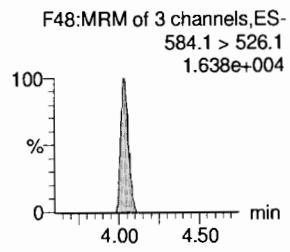
N-MeFOSAA



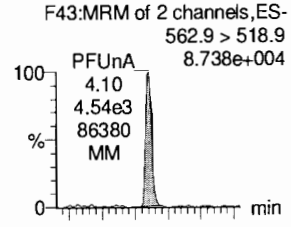


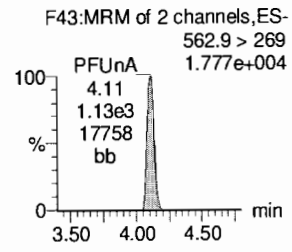
N-EtFOSAA



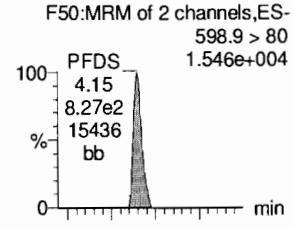


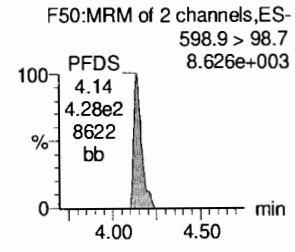
PFUnA



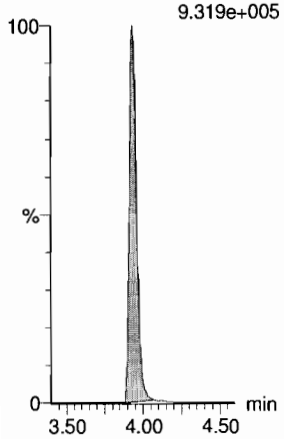


PFDS

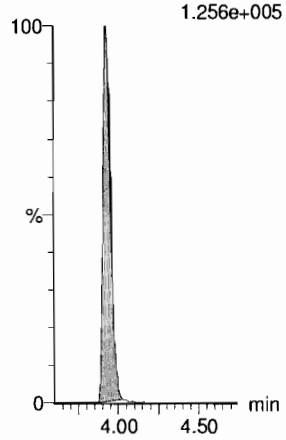




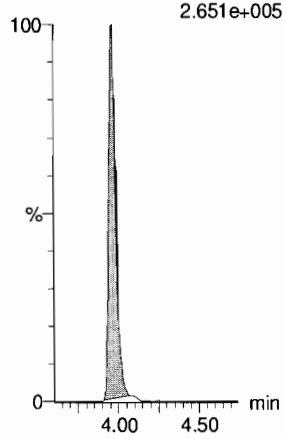
13C2-PFDA



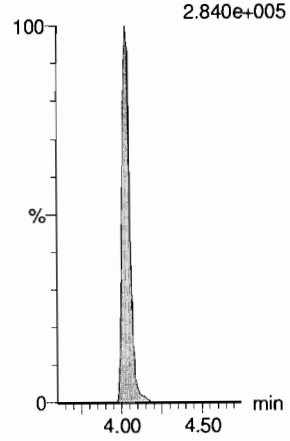
13C2-8:2 FTS



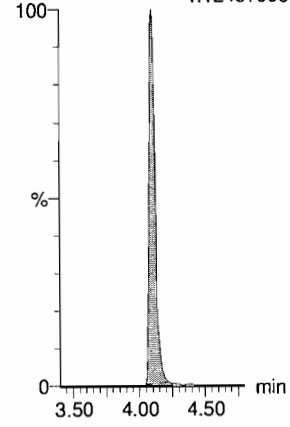
d3-N-MeFOSAA



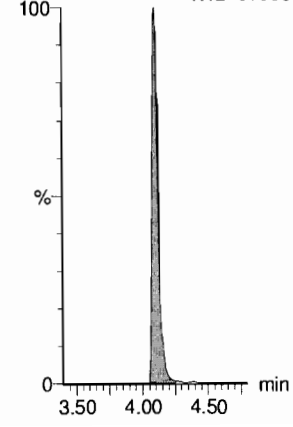
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

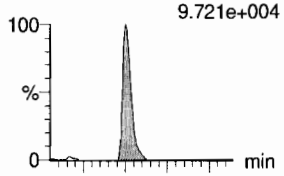


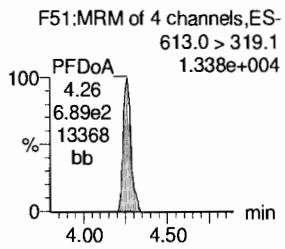
Dataset: U:\Q4.PRO\results\171017M4\171017M4-2.qld

Last Altered: Wednesday, October 18, 2017 11:18:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:20:06 Pacific Daylight Time

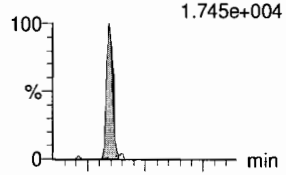
Name: 171017M4_2, Date: 17-Oct-2017, Time: 18:00:01, ID: ST171017M2-1 PFC CS0 17J1603, Description: PFC CS0 17J1603

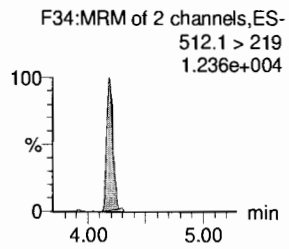
PFDoA



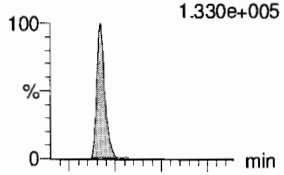


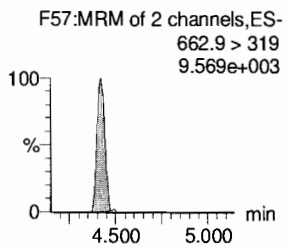
N-MeFOSA



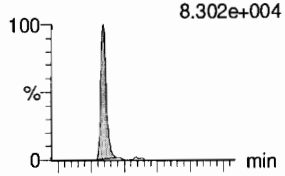


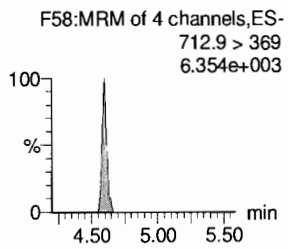
PFTrDA



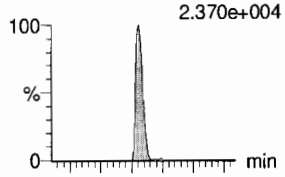


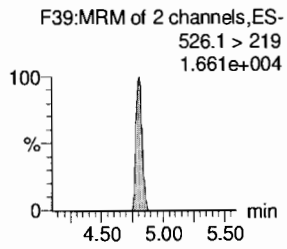
PFTeDA



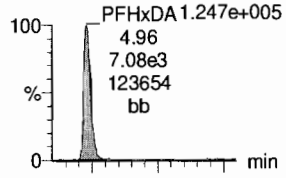


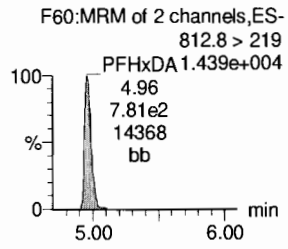
N-EtFOSA



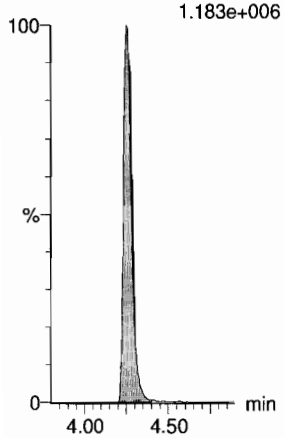


PFHxDA

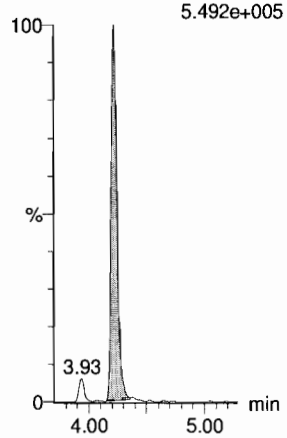




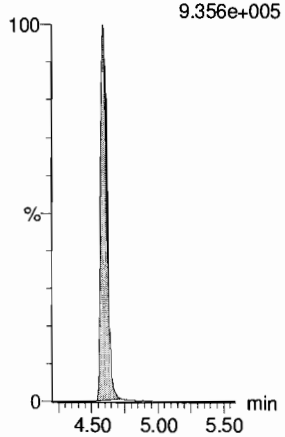
13C2-PFDoA



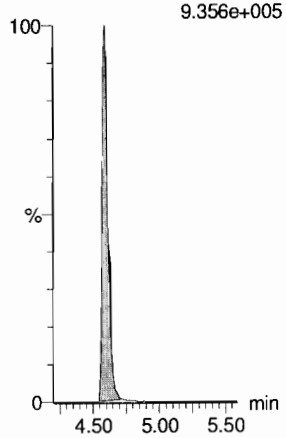
d3-N-MeFOSA



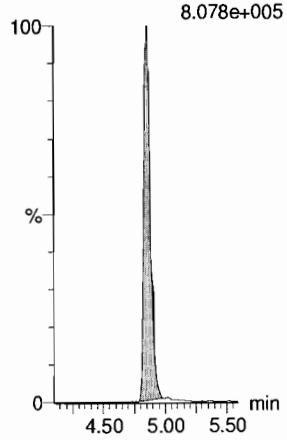
13C2-PFTeDA



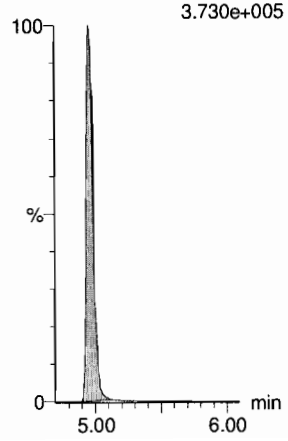
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

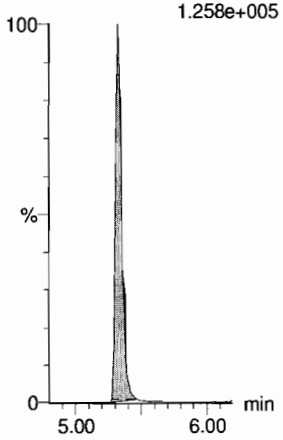


Dataset: U:\Q4.PRO\results\171017M4\171017M4-2.qld

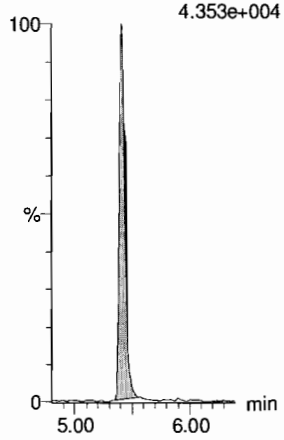
Last Altered: Wednesday, October 18, 2017 11:18:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:20:06 Pacific Daylight Time

Name: 171017M4_2, Date: 17-Oct-2017, Time: 18:00:01, ID: ST171017M2-1 PFC CS0 17J1603, Description: PFC CS0 17J1603

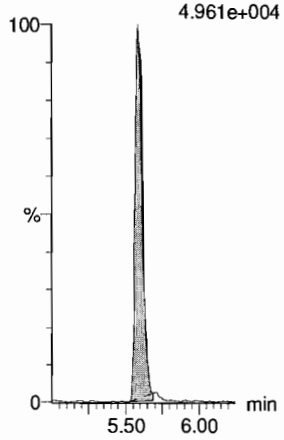
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
1.258e+005



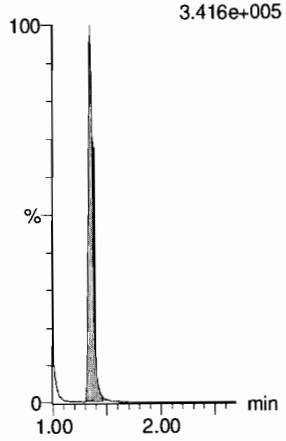
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
4.353e+004



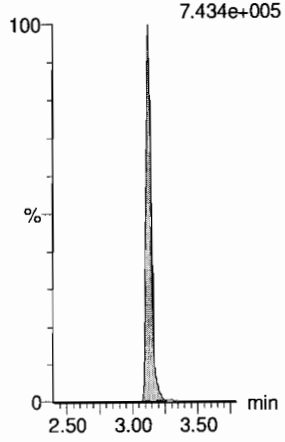
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
4.961e+004



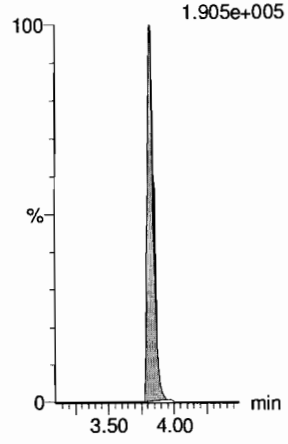
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
3.416e+005



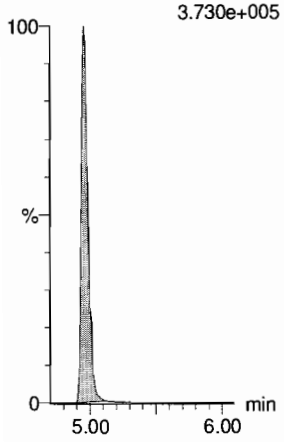
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
7.434e+005



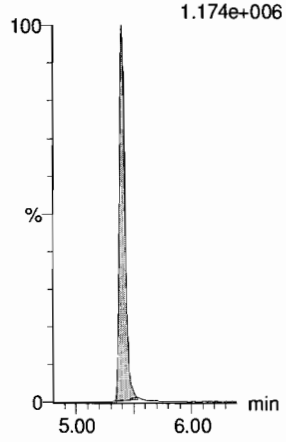
13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
1.905e+005



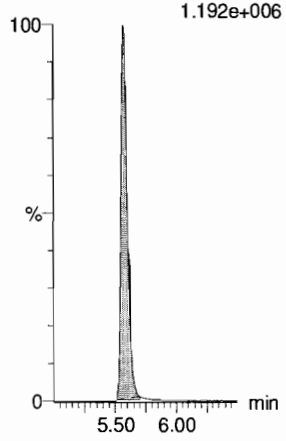
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.730e+005



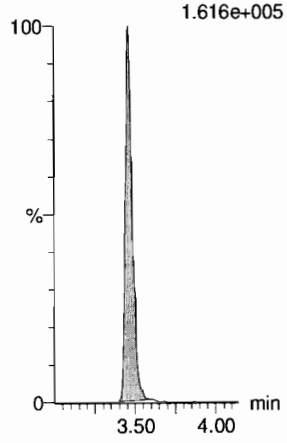
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.174e+006



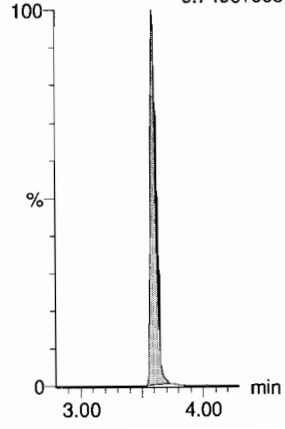
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.192e+006



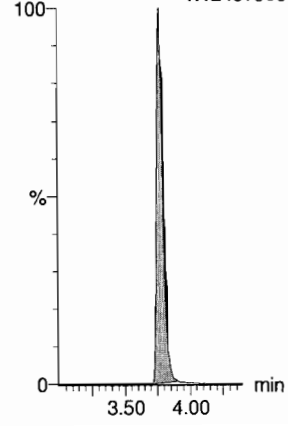
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
1.616e+005



13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
9.749e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
1.124e+006



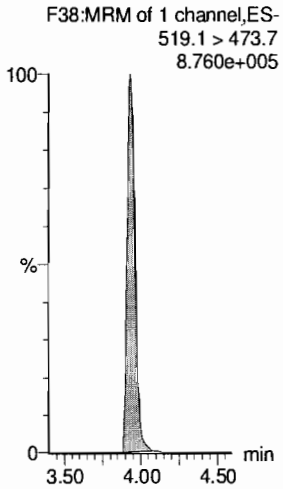
Dataset: U:\Q4.PRO\results\171017M4\171017M4-2.qld

Last Altered: Wednesday, October 18, 2017 11:18:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:20:06 Pacific Daylight Time

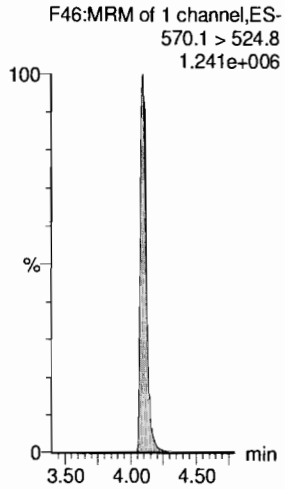
4 (A)

Name: 171017M4_2, Date: 17-Oct-2017, Time: 18:00:01, ID: ST171017M4-1 PFC CS0 17J1603, Description: PFC CS0 17J1603

13C6-PFDA



13C7-PFUnA



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171017M4\171017M4-24.qld

Last Altered: Wednesday, October 18, 2017 11:28:40 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:33:39 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

(A) Above limit criteria.

Name: 171017M4_24, Date: 17-Oct-2017, Time: 21:56:33, ID: ST171017M4-2 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	1.19e4	1.44e4		1.32	1.41	10.3	9.87	98.7
2	2	PFPeA	263.1 > 219.1	2.11e4	2.50e4		2.61	2.69	10.6	10.9	108.6
3	3	PFBS	299.1 > 79.9	4.85e3	5.74e3		3.09	2.91	10.6	11.2	112.4
4	4	PFHxA	313.2 > 268.9	3.18e4	9.60e3		3.31	3.16	16.6	11.3	113.4
5	5	PFHpA	363.1 > 319.1	4.14e4	5.50e4		3.56	3.42	9.41	10.2	101.8
6	6	L-PFHxS	399.0 > 80.0	6.02e3	3.36e3		3.63	3.49	22.4	9.28	92.8
7	8	6:2 FTS	427.1 > 407	7.49e3	8.68e3		3.76	3.61	10.8	9.90	99.0
8	9	L-PFOA	413 > 368.7	5.37e4	6.29e4		3.77	3.62	10.7	10.8	107.5
9	11	PFHpS	449 > 79.9	9.34e3	6.29e4		3.83	3.68	1.85	11.3	113.4
10	12	PFNA	463.1 > 419.1	5.32e4	5.92e4		3.96	3.80	11.2	10.6	106.2
11	13	PFOSA	498.1 > 77.8	5.89e3	6.61e3		3.96	3.81	11.1	10.2	102.0
12	14	L-PFOS	499 > 79.9	9.96e3	1.24e4		3.81	3.84	10.1	9.90	99.0
13	16	PFDA	513 > 468.8	5.72e4	5.27e4		4.14	3.96	13.6	9.40	94.0
14	17	8:2 FTS	527 > 506.9	6.37e3	6.04e3		4.14	3.96	13.2	9.52	95.2
15	18	N-MeFOSAA	570.1 > 419	1.71e4	1.33e4		4.17	4.00	210	10.6	106.5
16	19	N-EtFOSAA	584.2 > 419	1.37e4	1.58e4		4.23	4.06	140	10.2	101.8
17	20	PFUnA	562.9 > 518.9	4.31e4	5.28e4		4.31	4.13	10.2	14.2	(A) 42.3
18	21	PFDS	598.9 > 80	9.13e3	5.28e4		4.36	4.17	2.16	13.0	129.8
19	22	PFDoA	613.0 > 569.1	4.66e4	5.23e4		4.49	4.29	11.1	10.4	104.3
20	23	N-MeFOSA	512.1 > 168.9	9.94e3	2.63e4		4.16	4.30	56.6	58.2	116.3
21	24	PFTrDA	662.9 > 618.9	6.29e4	5.23e4		4.68	4.45	15.0	14.9	(A) 148.7
22	25	PFTeDA	712.9 > 668.8	4.36e4	4.87e4		4.60	4.62	11.2	11.1	110.9
23	26	N-EtFOSA	526.1 > 168.9	1.24e4	4.03e4		5.13	4.91	46.0	47.4	94.9
24	27	PFHxDA	812.8 > 768.9	6.19e4	2.20e4		5.28	4.99	14.1	9.81	98.1
25	28	PFODA	912.8 > 868.8	7.93e4	2.20e4		5.67	5.35	18.0	12.7	126.9
26	29	N-MeFOSE	616.1 > 58.9	1.79e4	5.07e4		5.43	5.41	53.1	52.5	104.9
27	30	N-EtFOSE	630.1 > 58.9	2.02e4	5.16e4		5.60	5.58	58.7	51.8	103.6
28	31	13C3-PFBA	216.1 > 172.1	1.44e4	1.49e4	0.956	1.32	1.42	12.0	12.6	100.6
29	32	13C3-PFPeA	266.1 > 222.1	2.50e4	3.52e4	0.288	2.91	2.69	3.55	12.3	98.4
30	33	13C3-PFBS	302.1 > 79.9	5.74e3	3.52e4	0.065	3.09	2.92	0.814	12.5	99.7
31	34	13C2-PFHxA	315 > 269.8	9.60e3	3.52e4	0.297	3.31	3.16	1.36	4.59	91.8

70-130

50-150

dm 10/19/17

rfA. 10/19/2017

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171017M4\171017M4-24.qld

Last Altered: Wednesday, October 18, 2017 11:28:40 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:33:39 Pacific Daylight Time

Name: 171017M4_24, Date: 17-Oct-2017, Time: 21:56:33, ID: ST171017M4-2 PFC CS3 17J1602, Description: PFC CS3 17J1602

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C4-PFHpA	367 > 322.1	5.50e4	3.52e4	0.641	3.56	3.42	7.80	12.2	97.3
33	36	18O2-PFHxS	403 > 103.0	3.36e3	6.79e3	0.519	3.63	3.49	6.19	11.9	95.4
34	37	13C2-6:2 FTS	429.1 > 408.9	8.68e3	5.08e4	0.177	3.76	3.61	2.13	12.0	96.3
35	38	13C2-PFOA	414.9 > 369.7	6.29e4	5.08e4	1.147	3.77	3.62	15.5	13.5	108.0
36	39	13C5-PFNA	468.1 > 423.1	5.92e4	6.16e4	0.939	3.96	3.80	12.0	12.8	102.4
37	40	13C8-PFOSA	506.1 > 78.0	6.61e3	5.45e4	0.177	3.96	3.81	1.51	8.55	68.4
38	41	13C8-PFOS	507 > 79.9	1.24e4	1.22e4	1.067	3.81	3.85	12.7	11.9	95.1
39	42	13C2-PFDA	515.1 > 469.9	5.27e4	5.61e4	0.835	4.14	3.97	11.7	14.1	112.5
40	43	13C2-8:2 FTS	529.1 > 508.7	6.04e3	5.61e4	0.118	4.14	3.96	1.35	11.4	91.5
41	44	d3-N-MeFOSAA	573.3 > 419	1.33e4	5.45e4	0.013	4.17	3.99	3.04	230	141.7
42	45	d5-N-EtFOSAA	589.3 > 419	1.58e4	5.45e4	0.015	4.23	4.06	3.63	236	145.4
43	46	13C2-PFUnA	565 > 519.8	5.28e4	5.45e4	1.017	4.31	4.13	12.1	11.9	95.2
44	47	13C2-PFDoA	615.1 > 570.1	5.23e4	5.45e4	0.984	4.49	4.29	12.0	12.2	97.5
45	48	d3-N-MeFOSA	515.2 > 168.9	2.63e4	5.45e4	0.069	4.16	4.34	6.04	87.0	58.0
46	49	13C2-PFTeDA	714.8 > 669.6	4.87e4	5.45e4	0.618	4.88	4.62	11.2	18.1	144.5
47	50	d5-N-ETFOSA	531.1 > 168.9	4.03e4	5.45e4	0.108	5.13	4.95	9.25	85.5	57.0
48	51	13C2-PFHxDA	815 > 769.7	2.20e4	5.45e4	0.797	5.28	4.99	5.04	6.33	126.6
49	52	d7-N-MeFOSE	623.1 > 58.9	5.07e4	5.45e4	0.139	5.43	5.40	11.6	83.8	55.9
50	53	d9-N-EtFOSE	639.2 > 58.8	5.16e4	5.45e4	0.135	5.60	5.57	11.8	87.4	58.3
51	54	13C4-PFBA	217.1 > 172.1	1.49e4	1.49e4	1.000	1.32	1.41	12.5	12.5	100.0
52	55	13C5-PFHxA	318 > 272.9	3.52e4	3.52e4	1.000	3.31	3.16	5.00	5.00	100.0
53	56	13C3-PFHxS	402.1 > 80.0	6.79e3	6.79e3	1.000	3.63	3.49	12.5	12.5	100.0
54	57	13C8-PFOA	421.3 > 376	5.08e4	5.08e4	1.000	3.77	3.62	12.5	12.5	100.0
55	58	13C9-PFNA	472.1 > 427.1	6.16e4	6.16e4	1.000	3.96	3.80	12.5	12.5	100.0
56	59	13C4-PFOS	503 > 79.9	1.22e4	1.22e4	1.000	3.81	3.85	12.5	12.5	100.0
57	60	13C6-PFDA	519.1 > 473.7	5.61e4	5.61e4	1.000	4.14	3.97	12.5	12.5	100.0
58	61	13C7-PFUnA	570.1 > 524.8	5.45e4	5.45e4	1.000	4.31	4.13	12.5	12.5	100.0

50-150

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171017M4\IIIS.qld

Last Altered: Wednesday, October 18, 2017 15:34:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 18:08:49 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-10-12-17.mdb 12 Oct 2017 12:38:07
Calibration: 18 Oct 2017 15:23:23

Compound name: 13C4-PFBA (1) dm 10/19/17

	Name	ID	Acq.Date	Acq.Time
1	171017M4_2	ST171017M4-1 PFC CS0 17J1603	17-Oct-17	18:00:01
2	171017M4_3	IPA	17-Oct-17	18:10:40
3	171017M4_4	B7J0071-BS1 OPR 0.125	17-Oct-17	18:21:21
4	171017M4_5	B7J0071-BSD1 LCS Dup 0.125	17-Oct-17	18:32:06
5	171017M4_6	IPA	17-Oct-17	18:42:44
6	171017M4_7	B7J0071-BLK1 Method Blank 0.125	17-Oct-17	18:53:31
7	171017M4_8	B7J0071-MS1 Matrix Spike 0.125	17-Oct-17	19:04:17
8	171017M4_9	B7J0071-MSD1 Matrix Spike Dup 0.125	17-Oct-17	19:15:03
9	171017M4_10	1701346-01RE1 GALPAB201 0.11861	17-Oct-17	19:25:42
10	171017M4_11	1701346-02RE1 GALP08203 0.11988	17-Oct-17	19:36:43
11	171017M4_12	1701432-02 EB02_20171002 0.125	17-Oct-17	19:47:48
12	171017M4_13	1701432-03 EB03_20171003 0.125	17-Oct-17	19:58:34
13	171017M4_14	1701432-04 EB04_20171003 0.125	17-Oct-17	20:09:13
14	171017M4_15	1701432-05 EB05_20171004 0.125	17-Oct-17	20:19:51
15	171017M4_16	1701432-06 Site 3-GW-03GW01-20171004 0....	17-Oct-17	20:30:39
16	171017M4_17	1701432-10 Site 4-GW-04GW02-20171004 0....	17-Oct-17	20:41:24
17	171017M4_18	1701432-12 EB06_20171005 0.125	17-Oct-17	20:52:02
18	171017M4_19	1701432-13 Site 3-GW-MW1-20171005 0.125	17-Oct-17	21:02:49
19	171017M4_20	1701432-18@5X Site 3-GW-03GW03-201710...	17-Oct-17	21:13:36
20	171017M4_21	1701432-18 Site 3-GW-03GW03-20171005 0....	17-Oct-17	21:24:22
21	171017M4_22	1701430-02RE1@5X Foam-6603 Loud 0.00104	17-Oct-17	21:35:08
22	171017M4_23	IPA	17-Oct-17	21:45:47
23	171017M4_24	ST171017M4-2 PFC CS3 17J1602	17-Oct-17	21:56:33
24	171017M4_25	IPA	17-Oct-17	22:07:19
25	171017M4_26	B7J0087-BS1@250X OPR 0.001	17-Oct-17	22:18:00
26	171017M4_27	IPA	17-Oct-17	22:28:59
27	171017M4_28	B7J0087-BLK1@250X Method Blank 0.001	17-Oct-17	22:39:37
28	171017M4_29	1701322-08RE2@250X JFOSS-GW-TW06-09...	17-Oct-17	22:50:16
29	171017M4_30	1701322-10RE2@500X JFOSS-GW-TW13-09...	17-Oct-17	23:01:02
30	171017M4_31	1701385-06@5X B-H-GW 0.11258	17-Oct-17	23:11:41
31	171017M4_32	IPA	17-Oct-17	23:22:27
32	171017M4_33	1701385-07 B-I-GW 0.11542	17-Oct-17	23:33:05

Dataset: U:\Q4.PRO\results\171017M4\IIIS.qld

Last Altered: Wednesday, October 18, 2017 15:34:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 18:08:49 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
33	171017M4_34	B7J0081-BS1 OPR 0.25	17-Oct-17	23:43:44
34	171017M4_35	B7J0092-BS1 OPR 0.125	17-Oct-17	23:54:30
35	171017M4_36	B7J0093-BS1 OPR 0.125	18-Oct-17	00:05:08
36	171017M4_37	B7J0098-BS1 OPR 1	18-Oct-17	00:15:47
37	171017M4_38	B7J0099-BS1 OPR 1	18-Oct-17	00:26:28
38	171017M4_39	B7J0099-BSD1 LCS Dup 1	18-Oct-17	00:37:34
39	171017M4_40	B7J0092-BLK1 Method Blank 0.125	18-Oct-17	00:48:25
40	171017M4_41	B7J0093-BLK1 Method Blank 0.125	18-Oct-17	00:59:15
41	171017M4_42	B7J0081-BLK1 Method Blank 0.25	18-Oct-17	01:09:53
42	171017M4_43	B7J0098-BLK1 Method Blank 1	18-Oct-17	01:20:32
43	171017M4_44	B7J0099-BLK1 Method Blank 1	18-Oct-17	01:31:18
44	171017M4_45	1701405-01 RI17-MW19-(19-20)-100317 0.26...	18-Oct-17	01:41:56
45	171017M4_46	1701405-02 RI17-MW19-(29-30)-100317 0.26...	18-Oct-17	01:52:35
46	171017M4_47	1701405-03 RI17-MW19-(39-40)-100317 0.26...	18-Oct-17	02:03:21
47	171017M4_48	1701405-04 RI17-MW19-(49-50)-100317 0.25...	18-Oct-17	02:14:00
48	171017M4_49	1701405-05 RI17-MW24-(17-18)-100317 0.26...	18-Oct-17	02:24:46
49	171017M4_50	1701405-06 RI17-MW24-(26-27)-100317 0.2629	18-Oct-17	02:35:32
50	171017M4_51	IPA	18-Oct-17	02:46:20
51	171017M4_52	ST171017M4-3 PFC CS3 17J1602	18-Oct-17	02:57:11
52	171017M4_53	IPA	18-Oct-17	03:07:57
53	171017M4_54	1701405-07 RI17-MW24-(36-37)-100317 0.26...	18-Oct-17	03:18:36
54	171017M4_55	1701405-08 RI17-MW24-(46-47)-100317 0.26...	18-Oct-17	03:29:22
55	171017M4_56	1701405-09 RI17-FRB1-100317 0.25919	18-Oct-17	03:40:01
56	171017M4_57	1701405-10 RI17-MW25-(49-50)-100317-Dup ...	18-Oct-17	03:50:39
57	171017M4_58	1701451-01 IDW-TF5-FRAC 0.26565	18-Oct-17	04:01:26
58	171017M4_59	1701451-02 IDW-TF5-COMP1 0.24492	18-Oct-17	04:12:12
59	171017M4_60	1701452-01 IDW-TF4-FRAC 0.23028	18-Oct-17	04:22:59
60	171017M4_61	1701452-02 IDW-TF4-COMP1 0.25588	18-Oct-17	04:33:45
61	171017M4_62	1701452-03 IDW-TF4-COMP2 0.26426	18-Oct-17	04:44:23
62	171017M4_63	1701432-08RE1 Site 4-GW-04GW03-2017100...	18-Oct-17	04:55:10
63	171017M4_64	1701439-02 Site 3-GW-03GW02-20171005 0....	18-Oct-17	05:05:56
64	171017M4_65	IPA	18-Oct-17	05:16:43
65	171017M4_66	ST171017M4-4 PFC CS0 17J1603	18-Oct-17	05:27:22
66	171017M4_67	IPA	18-Oct-17	05:38:38
67	171017M4_68	1701439-04 Site 4-GW-04GW01-20171006 0....	18-Oct-17	05:49:23
68	171017M4_69	1701425-01 WT1710041515JNR 0.125	18-Oct-17	06:00:09

Dataset: U:\Q4.PRO\results\171017M4\IIIS.qld

Last Altered: Wednesday, October 18, 2017 15:34:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 18:08:49 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
69	171017M4_70	1701425-02 FB1710041520JNR 0.125	18-Oct-17	06:10:47
70	171017M4_71	1701425-03 WT1710041545JNR 0.125	18-Oct-17	06:21:26
71	171017M4_72	1701425-04 WT1710041605JNR 0.125	18-Oct-17	06:32:04
72	171017M4_73	1701425-05 WT1710041625JNR 0.125	18-Oct-17	06:42:51
73	171017M4_74	1701425-06 WT1710041645JNR 0.125	18-Oct-17	06:53:29
74	171017M4_75	1701425-07 WT1710041700JNR 0.125	18-Oct-17	07:04:07
75	171017M4_76	1701425-08 WT1710041715JNR 0.125	18-Oct-17	07:14:54
76	171017M4_77	1701425-09 WT1710050925JNR 0.125	18-Oct-17	07:25:40
77	171017M4_78	1701425-10 WT1710051000JNR 0.125	18-Oct-17	07:36:20
78	171017M4_79	IPA	18-Oct-17	07:47:21
79	171017M4_80	ST171017M4-5 PFC CS3 17J1602	18-Oct-17	07:58:06
80	171017M4_81	IPA	18-Oct-17	08:08:45
81	171017M4_82	1701425-11 WT1710040900JNR 0.125	18-Oct-17	08:19:23
82	171017M4_83	1701425-12 WT1710040915JNR 0.125	18-Oct-17	08:30:01
83	171017M4_84	1701425-13 WT1710040930JNR 0.125	18-Oct-17	08:40:39
84	171017M4_85	1701425-14 WT1710041015JNR 0.125	18-Oct-17	08:51:19
85	171017M4_86	1701425-15 WT1710041040JNR 0.125	18-Oct-17	09:02:05
86	171017M4_87	1701425-16 WT1710041055JNR 0.125	18-Oct-17	09:12:51
87	171017M4_88	1701425-17 WT1710041115JNR 0.125	18-Oct-17	09:23:29
88	171017M4_89	1701425-18 WT1710041250JNR 0.125	18-Oct-17	09:34:16
89	171017M4_90	1701425-19 WT1710041305JNR 0.125	18-Oct-17	09:44:54
90	171017M4_91	1701425-20 WT1710041500JNR 0.125	18-Oct-17	09:55:33
91	171017M4_92	IPA	18-Oct-17	10:06:28
92	171017M4_93	ST171017M4-6 PFC CS3 17J1602	18-Oct-17	10:17:22
93	171017M4_94	IPA	18-Oct-17	10:28:18
94	171017M4_95	1701321-07RE1 JFOSS-08-SB03-0-2 1.31	18-Oct-17	10:39:14
95	171017M4_96	IPA	18-Oct-17	10:49:53
96	171017M4_97	1701321-09RE1 JFOSS-08-SB04-0-2 1.13	18-Oct-17	11:00:31
97	171017M4_98	IPA	18-Oct-17	11:11:18
98	171017M4_99	1701321-12RE1 JFOSS-SO-DUP007-092117 ...	18-Oct-17	11:21:56
99	171017M4_100	IPA	18-Oct-17	11:32:34
100	171017M4_101	1701373-08RE1 GALP08213 1	18-Oct-17	11:43:21
101	171017M4_102	1701321-07RE1@20X JFOSS-08-SB03-0-2 1....	18-Oct-17	11:54:07
102	171017M4_103	1701321-09RE1@20X JFOSS-08-SB04-0-2 1....	18-Oct-17	12:04:46
103	171017M4_104	1701321-12RE1@20X JFOSS-SO-DUP007-0...	18-Oct-17	12:15:24
104	171017M4_105	IPA	18-Oct-17	12:26:11

Dataset: U:\Q4.PRO\results\171017M4\IIIS.qld

Last Altered: Wednesday, October 18, 2017 15:34:02 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 18:08:49 Pacific Daylight Time

Compound name: 13C4-PFBA

	Name	ID	Acq.Date	Acq.Time
105	171017M4_106	ST171017M4-3 PFC CS3 17J1602	18-Oct-17	12:36:50

Vista Analytical Laboratory

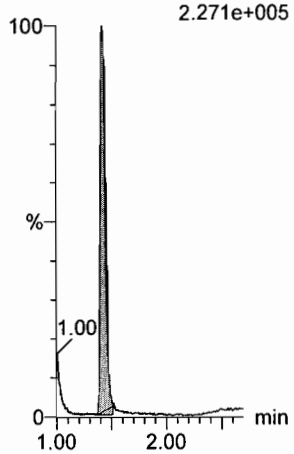
Dataset: U:\Q4.PRO\results\171017M4\171017M4-24.qld

Last Altered: Wednesday, October 18, 2017 11:28:40 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:33:39 Pacific Daylight Time

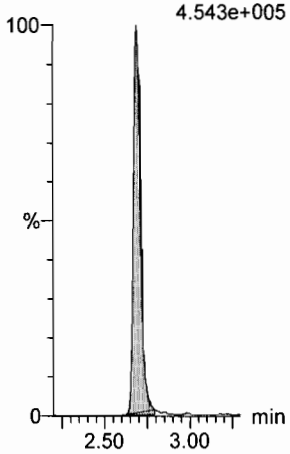
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171017M4_24, Date: 17-Oct-2017, Time: 21:56:33, ID: ST171017M4-2 PFC CS3 17J1602, Description: PFC CS3 17J1602

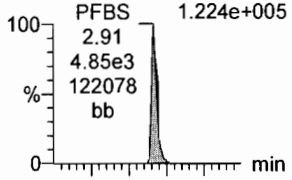
PFBA
F1:MRM of 1 channel,ES-
213.1 > 169.1
2.271e+005



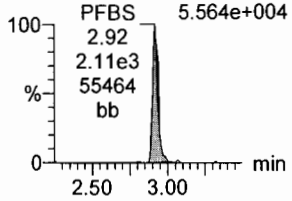
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 219.1
4.543e+005



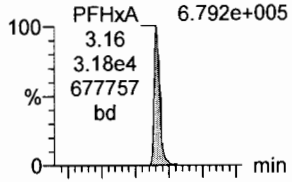
PFBS
F6:MRM of 2 channels,ES-
299.1 > 79.9
1.224e+005



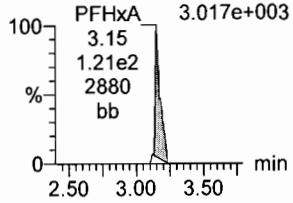
F6:MRM of 2 channels,ES-
299.1 > 98.9
5.564e+004



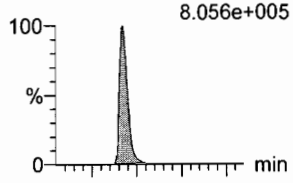
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
6.792e+005



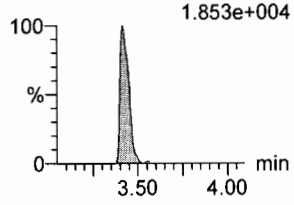
F8:MRM of 2 channels,ES-
313.2 > 119
3.017e+003



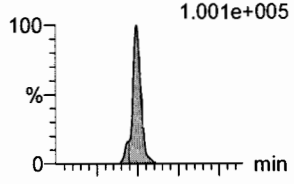
PFHpA
F14:MRM of 2 channels,ES-
363.1 > 319.1
8.056e+005



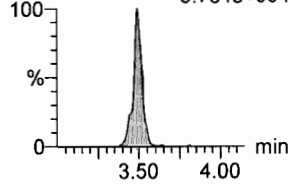
F14:MRM of 2 channels,ES-
363.1 > 169.1
1.853e+004



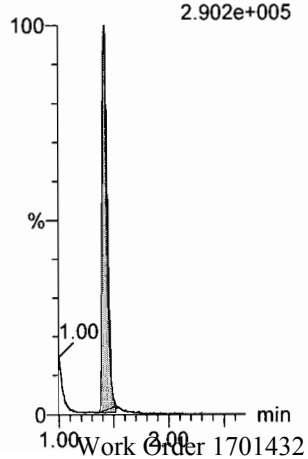
L-PFHxS
F16:MRM of 2 channels,ES-
399.0 > 80.0
1.001e+005



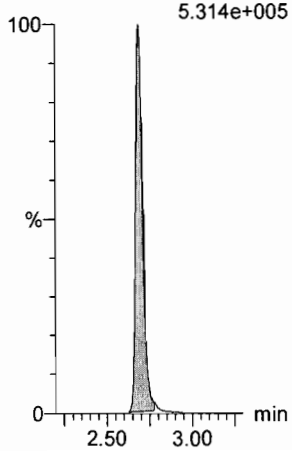
F16:MRM of 2 channels,ES-
399.0 > 99.0
5.734e+004



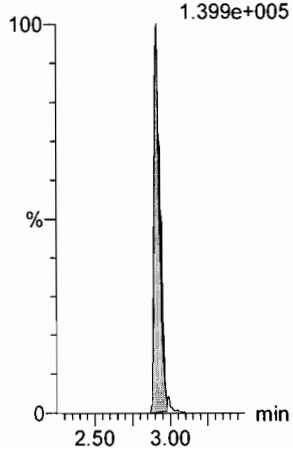
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 172.1
2.902e+005



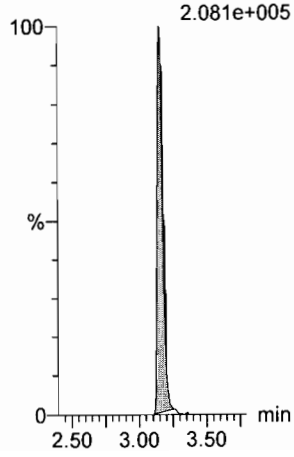
13C3-PFPeA
F5:MRM of 1 channel,ES-
266.1 > 222.1
5.314e+005



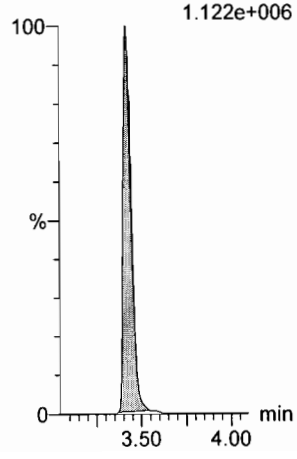
13C3-PFBS
F7:MRM of 1 channel,ES-
302.1 > 79.9
1.399e+005



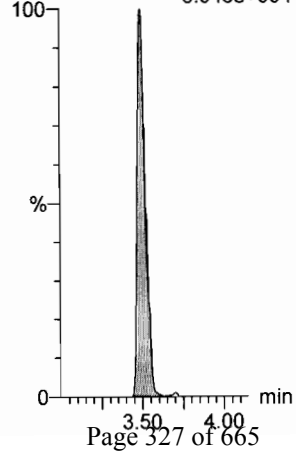
13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
2.081e+005



13C4-PFHpA
F15:MRM of 1 channel,ES-
367 > 322.1
1.122e+006



18O2-PFHxS
F18:MRM of 1 channel,ES-
403 > 103.0
6.048e+004

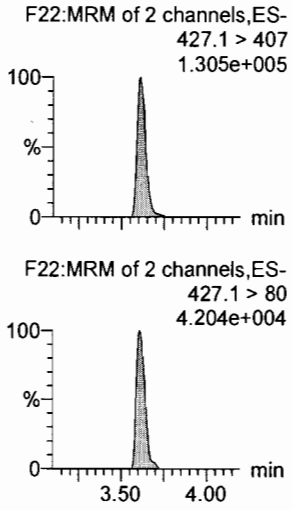


Dataset: U:\Q4.PRO\results\171017M4\171017M4-24.qld

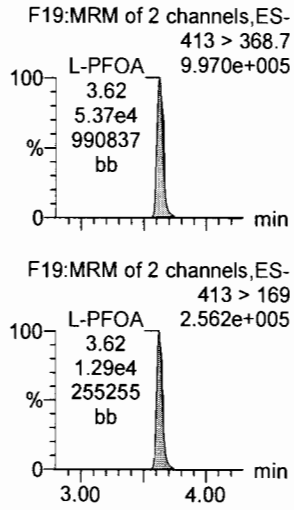
Last Altered: Wednesday, October 18, 2017 11:28:40 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:33:39 Pacific Daylight Time

Name: 171017M4_24, Date: 17-Oct-2017, Time: 21:56:33, ID: ST171017M4-2 PFC CS3 17J1602, Description: PFC CS3 17J1602

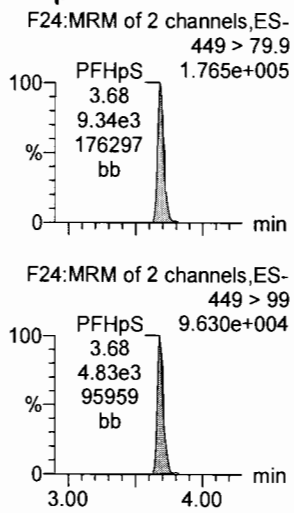
6:2 FTS



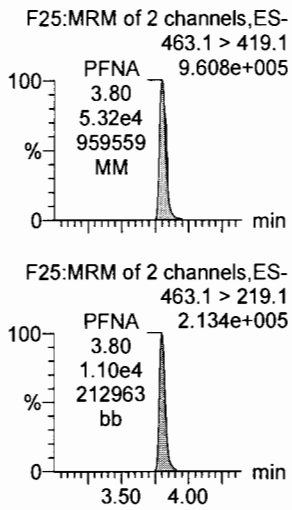
L-PFOA



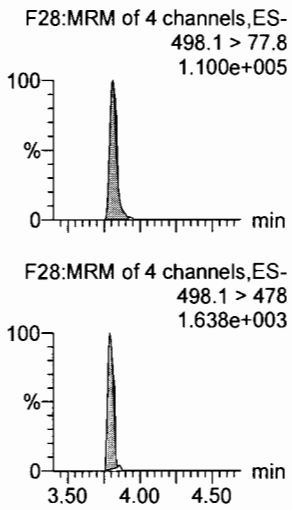
PFHpS



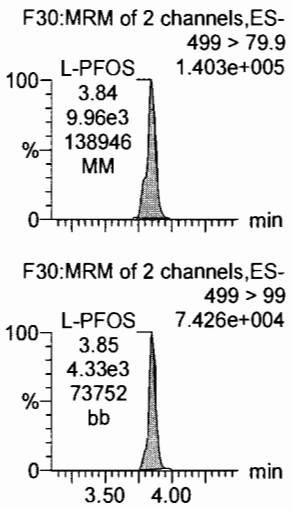
PFNA



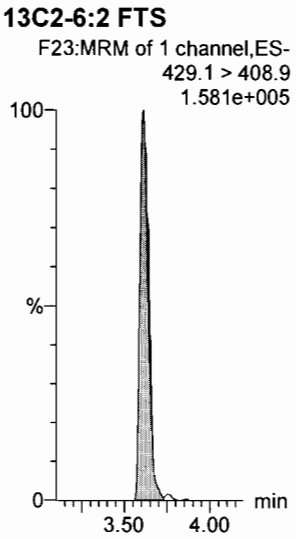
PFOSA



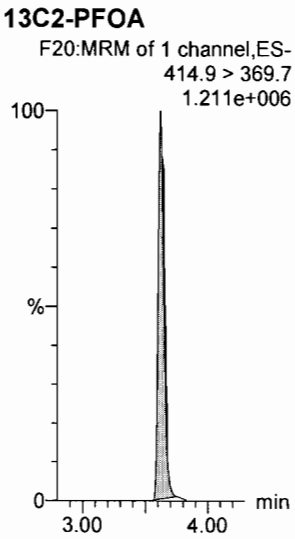
L-PFOS



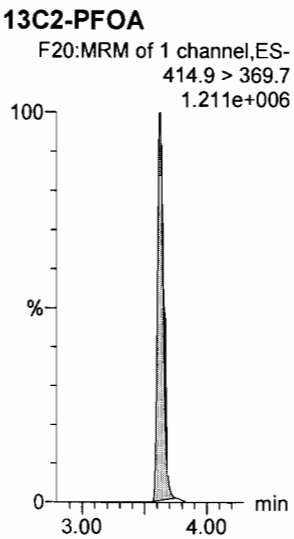
13C2-6:2 FTS



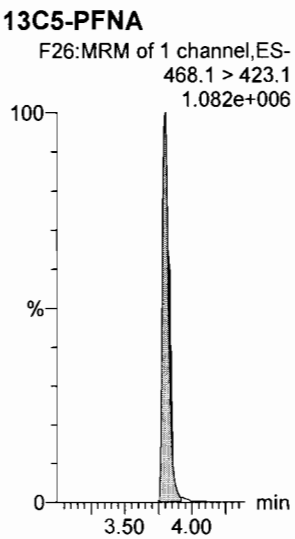
13C2-PFOA



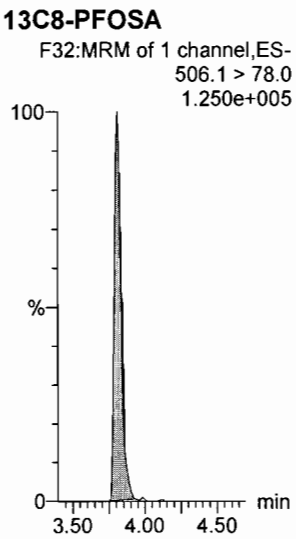
13C2-PFOA



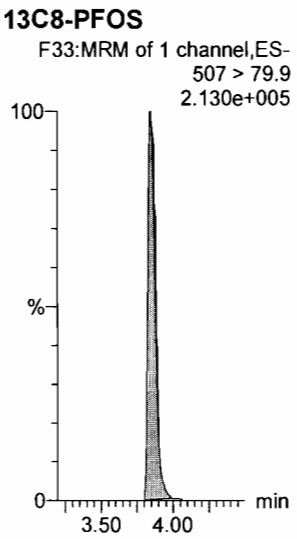
13C5-PFNA



13C8-PFOSA



13C8-PFOS

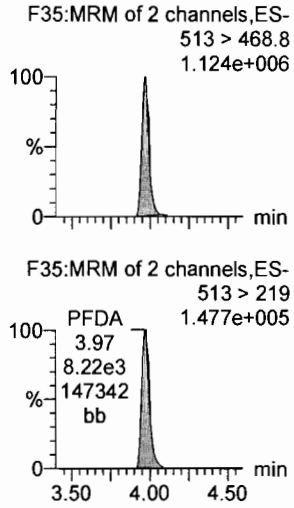


Dataset: U:\Q4.PRO\results\171017M4\171017M4-24.qld

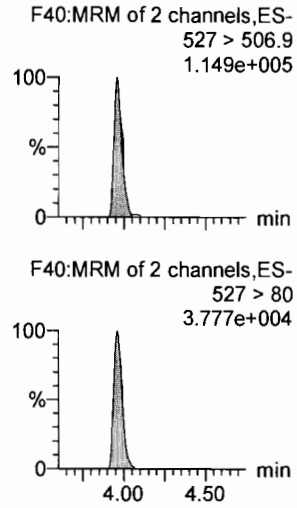
Last Altered: Wednesday, October 18, 2017 11:28:40 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:33:39 Pacific Daylight Time

Name: 171017M4_24, Date: 17-Oct-2017, Time: 21:56:33, ID: ST171017M4-2 PFC CS3 17J1602, Description: PFC CS3 17J1602

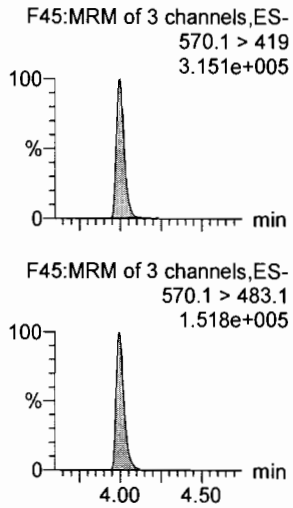
PFDA



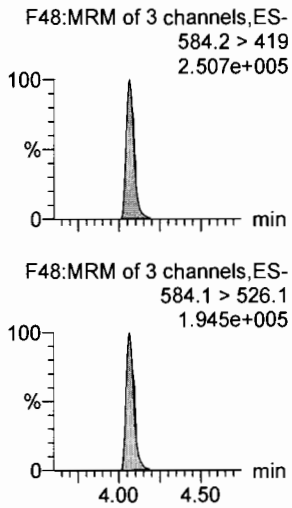
8:2 FTS



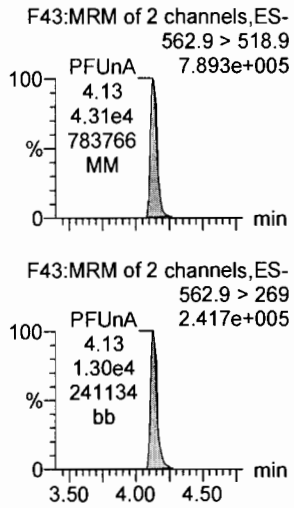
N-MeFOSAA



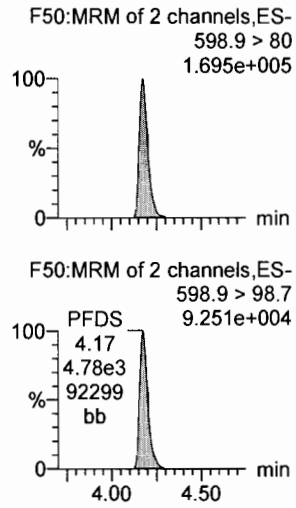
N-EtFOSAA



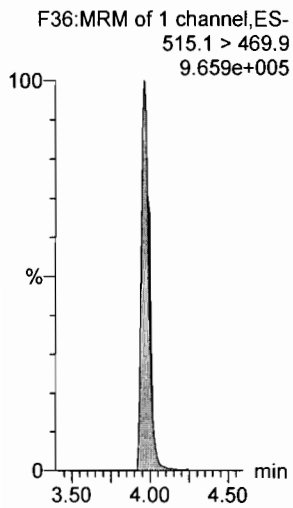
PFUnA



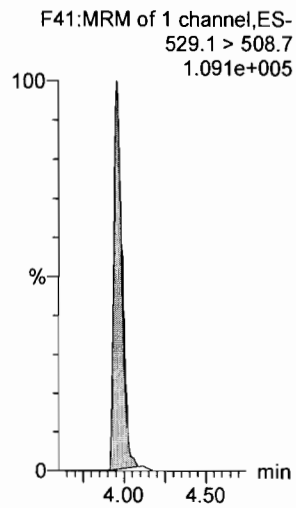
PFDS



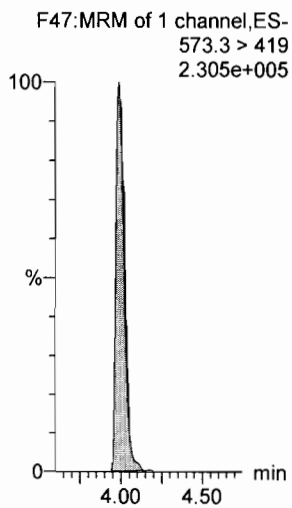
13C2-PFDA



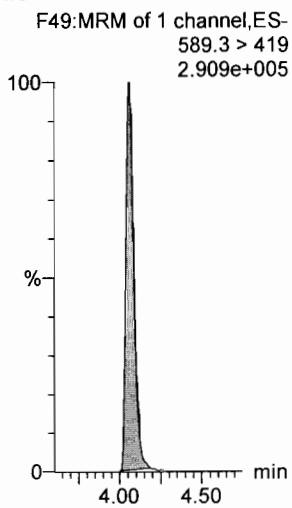
13C2-8:2 FTS



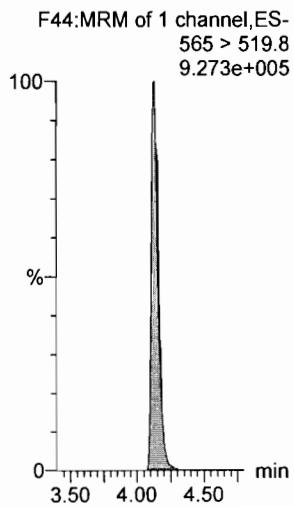
d3-N-MeFOSAA



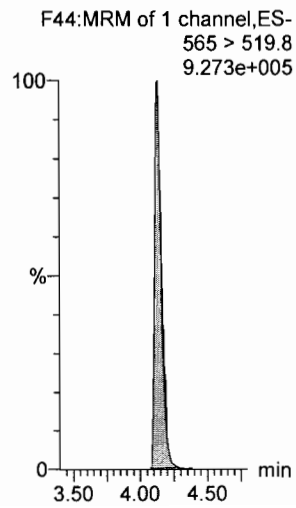
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

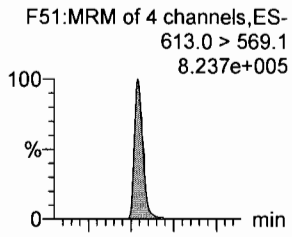


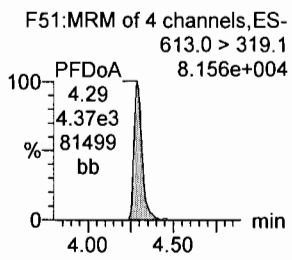
Dataset: U:\Q4.PRO\results\171017M4\171017M4-24.qld

Last Altered: Wednesday, October 18, 2017 11:28:40 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:33:39 Pacific Daylight Time

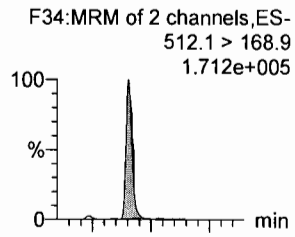
Name: 171017M4_24, Date: 17-Oct-2017, Time: 21:56:33, ID: ST171017M4-2 PFC CS3 17J1602, Description: PFC CS3 17J1602

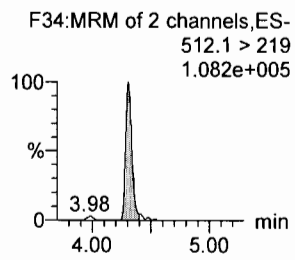
PFDoA



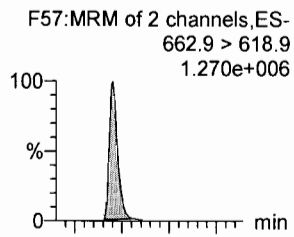


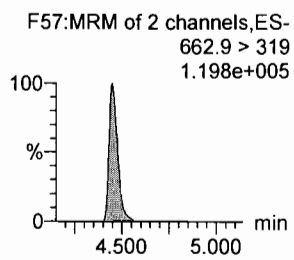
N-MeFOSA



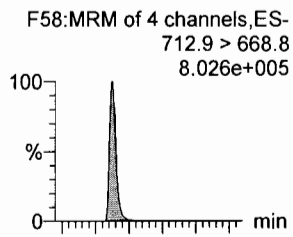


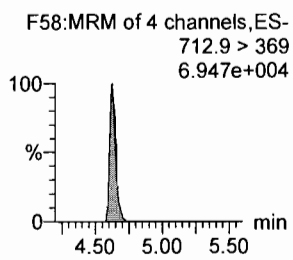
PFTrDA



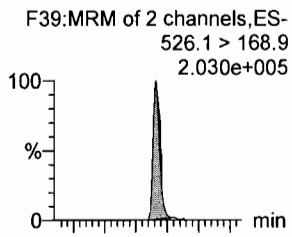


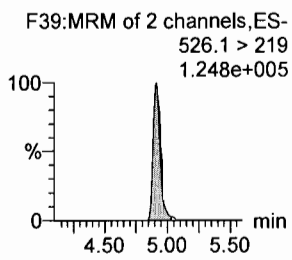
PFTeDA



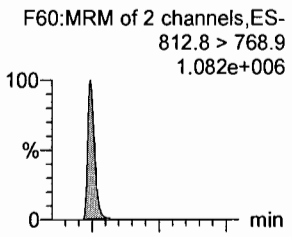


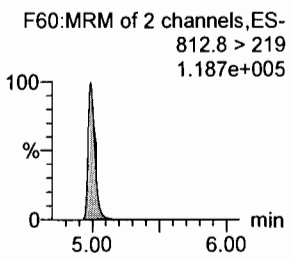
N-EtFOSA



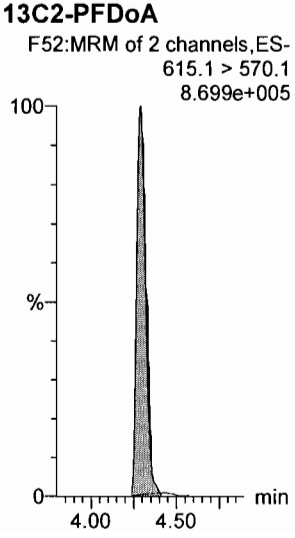


PFHxDA

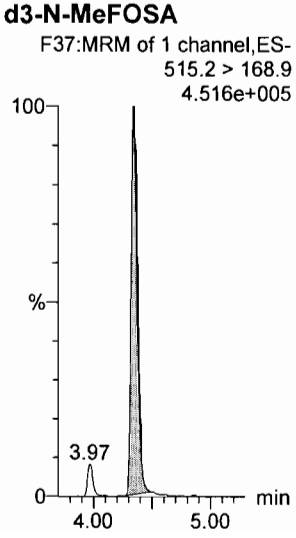




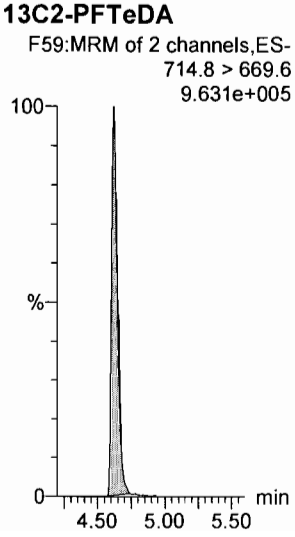
13C2-PFDoA



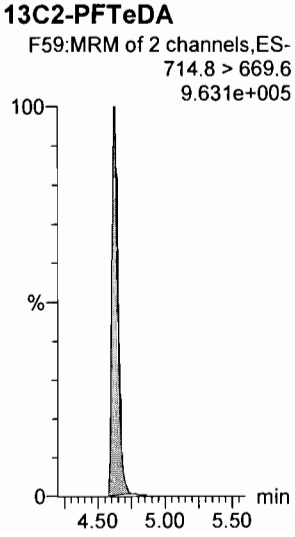
d3-N-MeFOSA



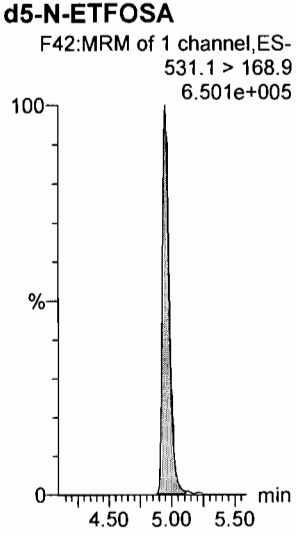
13C2-PFTeDA



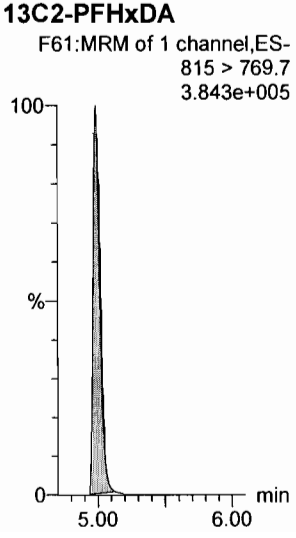
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

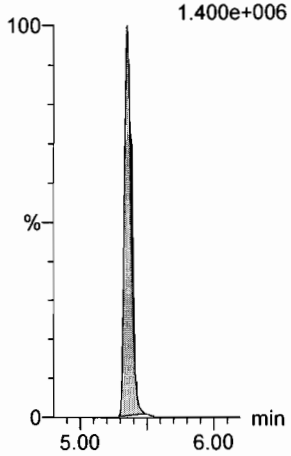


Dataset: U:\Q4.PRO\results\171017M4\171017M4-24.qld

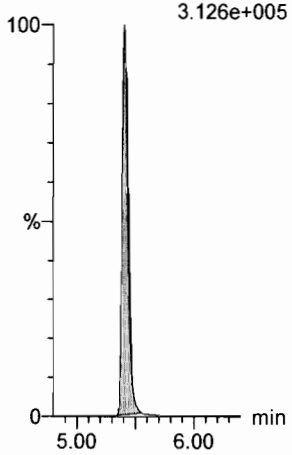
Last Altered: Wednesday, October 18, 2017 11:28:40 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:33:39 Pacific Daylight Time

Name: 171017M4_24, Date: 17-Oct-2017, Time: 21:56:33, ID: ST171017M4-2 PFC CS3 17J1602, Description: PFC CS3 17J1602

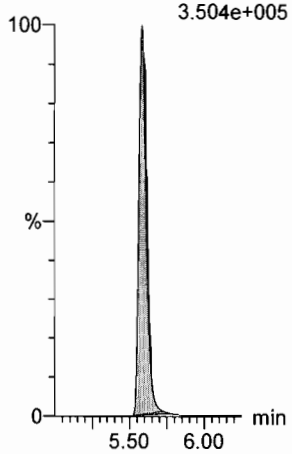
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
1.400e+006



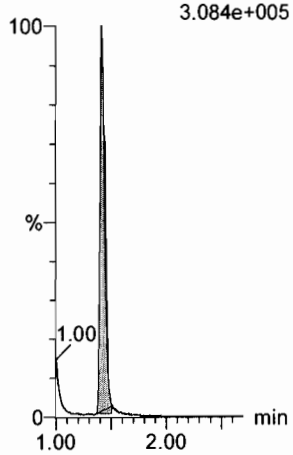
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
3.126e+005



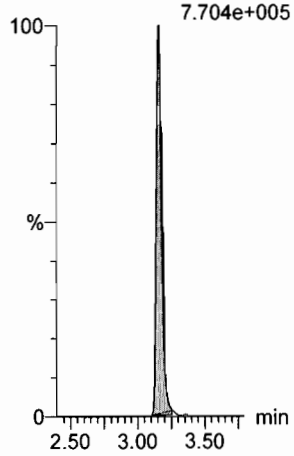
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
3.504e+005



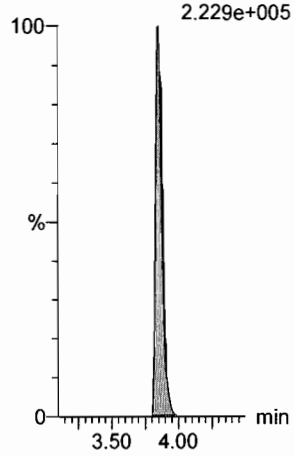
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
3.084e+005



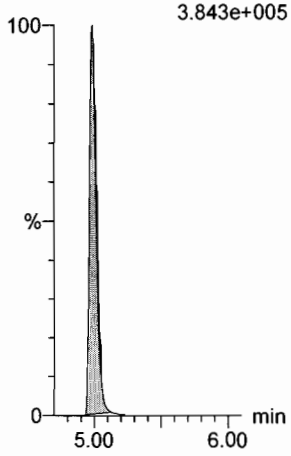
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
7.704e+005



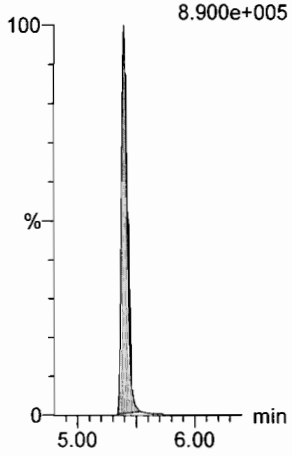
13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
2.229e+005



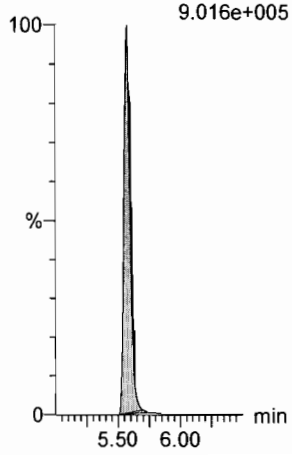
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.843e+005



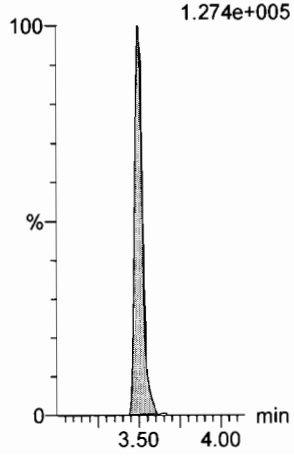
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
8.900e+005



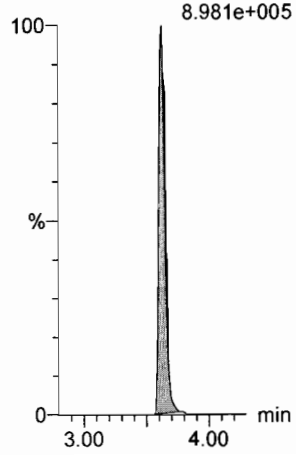
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
9.016e+005



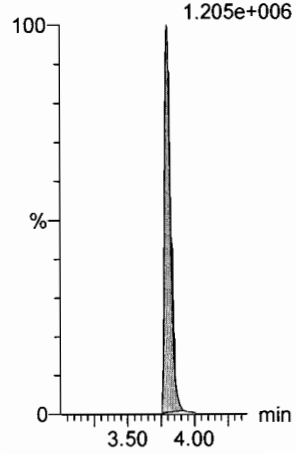
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
1.274e+005



13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
8.981e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
1.205e+006

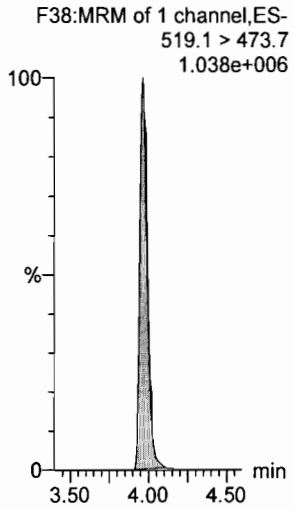


Dataset: U:\Q4.PRO\results\171017M4\171017M4-24.qld

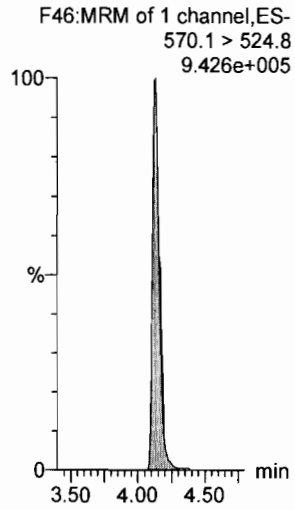
Last Altered: Wednesday, October 18, 2017 11:28:40 Pacific Daylight Time
Printed: Wednesday, October 18, 2017 11:33:39 Pacific Daylight Time

Name: 171017M4_24, Date: 17-Oct-2017, Time: 21:56:33, ID: ST171017M4-2 PFC CS3 17J1602, Description: PFC CS3 17J1602

13C6-PFDA



13C7-PFUnA



Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_RS-10-27-17.mdb 27 Oct 2017 15:32:48
Calibration: 27 Oct 2017 15:35:32

Name: 171026M1_7, Date: 26-Oct-2017, Time: 10:22:11, ID: ST171026M1-6 PFC CS3 17J1806, Description: PFC CS3 17J1806

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171026M1-6 PFC CS3 17J1806	9.46e3	100.0	NO
2	2 13C5-PFHxA	ST171026M1-6 PFC CS3 17J1806	1.31e4	100.0	NO
3	3 13C3-PFHxS	ST171026M1-6 PFC CS3 17J1806	2.28e3	100.0	NO
4	4 13C8-PFOA	ST171026M1-6 PFC CS3 17J1806	1.18e4	100.0	NO
5	5 13C9-PFNA	ST171026M1-6 PFC CS3 17J1806	1.12e4	100.0	NO
6	6 13C4-PFOS	ST171026M1-6 PFC CS3 17J1806	2.51e3	100.0	NO
7	7 13C6-PFDA	ST171026M1-6 PFC CS3 17J1806	1.20e4	100.0	NO
8	8 13C7-PFUnA	ST171026M1-6 PFC CS3 17J1806	1.38e4	100.0	NO

Name: 171026M1_8, Date: 26-Oct-2017, Time: 10:33:24, ID: ST171026M1-7 PFC CS4 17J2102, Description: PFC CS4 17J2102

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171026M1-7 PFC CS4 17J2102	8.00e3	84.5	NO
2	2 13C5-PFHxA	ST171026M1-7 PFC CS4 17J2102	1.17e4	89.3	NO
3	3 13C3-PFHxS	ST171026M1-7 PFC CS4 17J2102	1.96e3	85.7	NO
4	4 13C8-PFOA	ST171026M1-7 PFC CS4 17J2102	9.34e3	79.4	NO
5	5 13C9-PFNA	ST171026M1-7 PFC CS4 17J2102	1.05e4	94.3	NO
6	6 13C4-PFOS	ST171026M1-7 PFC CS4 17J2102	2.33e3	92.9	NO
7	7 13C6-PFDA	ST171026M1-7 PFC CS4 17J2102	1.10e4	91.9	NO
8	8 13C7-PFUnA	ST171026M1-7 PFC CS4 17J2102	1.30e4	94.1	NO

Name: 171026M1_9, Date: 26-Oct-2017, Time: 10:44:36, ID: ST171026M1-8 PFC CS5 17J2101, Description: PFC CS5 17J2101

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171026M1-8 PFC CS5 17J2101	7.89e3	83.3	NO
2	2 13C5-PFHxA	ST171026M1-8 PFC CS5 17J2101	9.83e3	75.0	NO
3	3 13C3-PFHxS	ST171026M1-8 PFC CS5 17J2101	1.91e3	83.6	NO
4	4 13C8-PFOA	ST171026M1-8 PFC CS5 17J2101	9.00e3	76.5	NO
5	5 13C9-PFNA	ST171026M1-8 PFC CS5 17J2101	9.96e3	89.1	NO
6	6 13C4-PFOS	ST171026M1-8 PFC CS5 17J2101	2.00e3	80.0	NO
7	7 13C6-PFDA	ST171026M1-8 PFC CS5 17J2101	1.03e4	86.1	NO
8	8 13C7-PFUnA	ST171026M1-8 PFC CS5 17J2101	1.00e4	72.3	NO

Name: 171026M1_10, Date: 26-Oct-2017, Time: 10:55:46, ID: ST171026M1-9 PFC CS6 17J2517, Description: PFC CS6 17J2517

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171026M1-9 PFC CS6 17J2517	7.54e3	79.6	NO
2	2 13C5-PFHxA	ST171026M1-9 PFC CS6 17J2517	9.52e3	72.6	NO
3	3 13C3-PFHxS	ST171026M1-9 PFC CS6 17J2517	1.81e3	79.2	NO
4	4 13C8-PFOA	ST171026M1-9 PFC CS6 17J2517	8.18e3	69.5	NO
5	5 13C9-PFNA	ST171026M1-9 PFC CS6 17J2517	9.05e3	81.0	NO
6	6 13C4-PFOS	ST171026M1-9 PFC CS6 17J2517	1.94e3	77.3	NO
7	7 13C6-PFDA	ST171026M1-9 PFC CS6 17J2517	8.81e3	73.4	NO
8	8 13C7-PFUnA	ST171026M1-9 PFC CS6 17J2517	9.76e3	70.5	NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_11, Date: 26-Oct-2017, Time: 11:07:20, ID: ST171026M1-10 PFC CS7 17J2518, Description: PFC CS7 17J2518

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171026M1-10 PFC CS7 17J2518	7.99e3	84.5	NO
2	2	13C5-PFHxA	ST171026M1-10 PFC CS7 17J2518	9.61e3	73.3	NO
3	3	13C3-PFHxS	ST171026M1-10 PFC CS7 17J2518	1.76e3	77.0	NO
4	4	13C8-PFOA	ST171026M1-10 PFC CS7 17J2518	9.10e3	77.3	NO
5	5	13C9-PFNA	ST171026M1-10 PFC CS7 17J2518	9.34e3	83.5	NO
6	6	13C4-PFOS	ST171026M1-10 PFC CS7 17J2518	1.80e3	72.0	NO
7	7	13C6-PFDA	ST171026M1-10 PFC CS7 17J2518	1.02e4	85.1	NO
8	8	13C7-PFUnA	ST171026M1-10 PFC CS7 17J2518	1.04e4	74.8	NO

Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171026M1_13, Date: 26-Oct-2017, Time: 11:30:01, ID: ICV171026M1-1 PFC ICV 17I3003, Description: PFC ICV 17I3003

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ICV171026M1-1 PFC ICV 17I3003	8.85e3	93.5	NO
2	2	13C5-PFHxA	ICV171026M1-1 PFC ICV 17I3003	1.20e4	91.7	NO
3	3	13C3-PFHxS	ICV171026M1-1 PFC ICV 17I3003	2.17e3	94.8	NO
4	4	13C8-PFOA	ICV171026M1-1 PFC ICV 17I3003	1.14e4	96.5	NO
5	5	13C9-PFNA	ICV171026M1-1 PFC ICV 17I3003	1.20e4	107.0	NO
6	6	13C4-PFOS	ICV171026M1-1 PFC ICV 17I3003	2.51e3	100.0	NO
7	7	13C6-PFDA	ICV171026M1-1 PFC ICV 17I3003	1.25e4	104.5	NO
8	8	13C7-PFUnA	ICV171026M1-1 PFC ICV 17I3003	1.46e4	105.8	NO

Name: 171026M1_14, Date: 26-Oct-2017, Time: 11:41:12, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_15, Date: 26-Oct-2017, Time: 11:52:22, ID: B7J0122-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0122-BS1 OPR 0.125	8.21e3	86.7	NO
2	2	13C5-PFHxA	B7J0122-BS1 OPR 0.125	1.13e4	86.5	NO
3	3	13C3-PFHxS	B7J0122-BS1 OPR 0.125	2.22e3	97.1	NO
4	4	13C8-PFOA	B7J0122-BS1 OPR 0.125	1.05e4	89.6	NO
5	5	13C9-PFNA	B7J0122-BS1 OPR 0.125	1.16e4	104.1	NO
6	6	13C4-PFOS	B7J0122-BS1 OPR 0.125	2.60e3	103.6	NO
7	7	13C6-PFDA	B7J0122-BS1 OPR 0.125	1.19e4	99.2	NO
8	8	13C7-PFUnA	B7J0122-BS1 OPR 0.125	1.39e4	100.6	NO

Name: 171026M1_16, Date: 26-Oct-2017, Time: 12:03:33, ID: B7J0092-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0092-BS1 OPR 0.125	9.00e3	95.2	NO
2	2	13C5-PFHxA	B7J0092-BS1 OPR 0.125	1.33e4	101.6	NO
3	3	13C3-PFHxS	B7J0092-BS1 OPR 0.125	2.39e3	104.7	NO
4	4	13C8-PFOA	B7J0092-BS1 OPR 0.125	1.18e4	100.5	NO
5	5	13C9-PFNA	B7J0092-BS1 OPR 0.125	1.29e4	115.4	NO
6	6	13C4-PFOS	B7J0092-BS1 OPR 0.125	2.78e3	111.1	NO
7	7	13C6-PFDA	B7J0092-BS1 OPR 0.125	1.43e4	118.8	NO
8	8	13C7-PFUnA	B7J0092-BS1 OPR 0.125	1.51e4	109.0	NO

Name: 171026M1_17, Date: 26-Oct-2017, Time: 12:14:43, ID: B7J0152-BS1 OPR 0.005, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0152-BS1 OPR 0.005	7.91e3	83.6	NO
2	2	13C5-PFHxA	B7J0152-BS1 OPR 0.005	1.03e4	78.7	NO
3	3	13C3-PFHxS	B7J0152-BS1 OPR 0.005	2.04e3	89.3	NO
4	4	13C8-PFOA	B7J0152-BS1 OPR 0.005	9.39e3	79.8	NO
5	5	13C9-PFNA	B7J0152-BS1 OPR 0.005	9.53e3	85.3	NO
6	6	13C4-PFOS	B7J0152-BS1 OPR 0.005	1.51e3	60.1	NO
7	7	13C6-PFDA	B7J0152-BS1 OPR 0.005	7.87e3	65.6	NO
8	8	13C7-PFUnA	B7J0152-BS1 OPR 0.005	4.15e3	29.9	YES

Name: 171026M1_18, Date: 26-Oct-2017, Time: 12:25:54, ID: B7J0136-BS1 OPR 1, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0136-BS1 OPR 1	7.43e3	78.5	NO
2	2	13C5-PFHxA	B7J0136-BS1 OPR 1	1.02e4	78.2	NO
3	3	13C3-PFHxS	B7J0136-BS1 OPR 1	2.04e3	89.4	NO
4	4	13C8-PFOA	B7J0136-BS1 OPR 1	9.77e3	83.0	NO
5	5	13C9-PFNA	B7J0136-BS1 OPR 1	1.04e4	93.3	NO
6	6	13C4-PFOS	B7J0136-BS1 OPR 1	1.91e3	76.3	NO
7	7	13C6-PFDA	B7J0136-BS1 OPR 1	9.16e3	76.4	NO
8	8	13C7-PFUnA	B7J0136-BS1 OPR 1	6.42e3	46.4	YES

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_19, Date: 26-Oct-2017, Time: 12:37:09, ID: B7J0136-BSD1 LCS Dup 1, Description: LCS Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0136-BSD1 LCS Dup 1	6.85e3	72.4	NO
2	2	13C5-PFHxA	B7J0136-BSD1 LCS Dup 1	9.37e3	71.5	NO
3	3	13C3-PFHxS	B7J0136-BSD1 LCS Dup 1	1.86e3	81.3	NO
4	4	13C8-PFOA	B7J0136-BSD1 LCS Dup 1	8.53e3	72.5	NO
5	5	13C9-PFNA	B7J0136-BSD1 LCS Dup 1	9.09e3	81.3	NO
6	6	13C4-PFOS	B7J0136-BSD1 LCS Dup 1	1.68e3	66.9	NO
7	7	13C6-PFDA	B7J0136-BSD1 LCS Dup 1	7.63e3	63.6	NO
8	8	13C7-PFUnA	B7J0136-BSD1 LCS Dup 1	4.59e3	33.1	YES

Name: 171026M1_20, Date: 26-Oct-2017, Time: 12:48:25, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171026M1_21, Date: 26-Oct-2017, Time: 12:59:36, ID: B7J0122-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0122-BLK1 Method Blank 0.125	7.89e3	83.4	NO
2	2	13C5-PFHxA	B7J0122-BLK1 Method Blank 0.125	1.07e4	81.3	NO
3	3	13C3-PFHxS	B7J0122-BLK1 Method Blank 0.125	1.95e3	85.4	NO
4	4	13C8-PFOA	B7J0122-BLK1 Method Blank 0.125	9.63e3	81.9	NO
5	5	13C9-PFNA	B7J0122-BLK1 Method Blank 0.125	1.09e4	97.8	NO
6	6	13C4-PFOS	B7J0122-BLK1 Method Blank 0.125	2.37e3	94.7	NO
7	7	13C6-PFDA	B7J0122-BLK1 Method Blank 0.125	1.12e4	93.3	NO
8	8	13C7-PFUnA	B7J0122-BLK1 Method Blank 0.125	1.44e4	103.8	NO

Name: 171026M1_22, Date: 26-Oct-2017, Time: 13:10:47, ID: B7J0092-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0092-BLK1 Method Blank 0.125	8.09e3	85.5	NO
2	2	13C5-PFHxA	B7J0092-BLK1 Method Blank 0.125	1.17e4	89.5	NO
3	3	13C3-PFHxS	B7J0092-BLK1 Method Blank 0.125	2.31e3	101.0	NO
4	4	13C8-PFOA	B7J0092-BLK1 Method Blank 0.125	1.13e4	96.4	NO
5	5	13C9-PFNA	B7J0092-BLK1 Method Blank 0.125	1.25e4	111.8	NO
6	6	13C4-PFOS	B7J0092-BLK1 Method Blank 0.125	2.41e3	96.1	NO
7	7	13C6-PFDA	B7J0092-BLK1 Method Blank 0.125	1.38e4	114.9	NO
8	8	13C7-PFUnA	B7J0092-BLK1 Method Blank 0.125	1.52e4	109.9	NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_23, Date: 26-Oct-2017, Time: 13:21:58, ID: B7J0152-BLK1 Method Blank 0.005, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0152-BLK1 Method Blank 0.005	6.71e3	70.9	NO
2	2	13C5-PFHxA	B7J0152-BLK1 Method Blank 0.005	9.43e3	71.9	NO
3	3	13C3-PFHxS	B7J0152-BLK1 Method Blank 0.005	1.81e3	79.2	NO
4	4	13C8-PFOA	B7J0152-BLK1 Method Blank 0.005	8.55e3	72.7	NO
5	5	13C9-PFNA	B7J0152-BLK1 Method Blank 0.005	8.47e3	75.8	NO
6	6	13C4-PFOS	B7J0152-BLK1 Method Blank 0.005	1.69e3	67.6	NO
7	7	13C6-PFDA	B7J0152-BLK1 Method Blank 0.005	7.70e3	64.1	NO
8	8	13C7-PFUnA	B7J0152-BLK1 Method Blank 0.005	5.27e3	38.0	YES

Name: 171026M1_24, Date: 26-Oct-2017, Time: 13:33:09, ID: B7J0136-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0136-BLK1 Method Blank 1	7.31e3	77.3	NO
2	2	13C5-PFHxA	B7J0136-BLK1 Method Blank 1	1.01e4	76.9	NO
3	3	13C3-PFHxS	B7J0136-BLK1 Method Blank 1	2.16e3	94.5	NO
4	4	13C8-PFOA	B7J0136-BLK1 Method Blank 1	9.47e3	80.5	NO
5	5	13C9-PFNA	B7J0136-BLK1 Method Blank 1	9.36e3	83.7	NO
6	6	13C4-PFOS	B7J0136-BLK1 Method Blank 1	1.84e3	73.4	NO
7	7	13C6-PFDA	B7J0136-BLK1 Method Blank 1	8.57e3	71.4	NO
8	8	13C7-PFUnA	B7J0136-BLK1 Method Blank 1	5.54e3	40.0	YES

Name: 171026M1_25, Date: 26-Oct-2017, Time: 13:44:19, ID: B7J0136-MS1 Matrix Spike 1.1, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0136-MS1 Matrix Spike 1.1	7.03e3	74.3	NO
2	2	13C5-PFHxA	B7J0136-MS1 Matrix Spike 1.1	9.40e3	71.7	NO
3	3	13C3-PFHxS	B7J0136-MS1 Matrix Spike 1.1	1.95e3	85.5	NO
4	4	13C8-PFOA	B7J0136-MS1 Matrix Spike 1.1	8.98e3	76.3	NO
5	5	13C9-PFNA	B7J0136-MS1 Matrix Spike 1.1	1.04e4	93.1	NO
6	6	13C4-PFOS	B7J0136-MS1 Matrix Spike 1.1	2.08e3	83.0	NO
7	7	13C6-PFDA	B7J0136-MS1 Matrix Spike 1.1	1.24e4	103.3	NO
8	8	13C7-PFUnA	B7J0136-MS1 Matrix Spike 1.1	1.16e4	83.5	NO

Name: 171026M1_26, Date: 26-Oct-2017, Time: 13:55:30, ID: B7J0136-MSD1 Matrix Spike Dup 1.1, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0136-MSD1 Matrix Spike Dup 1.1	7.63e3	80.6	NO
2	2	13C5-PFHxA	B7J0136-MSD1 Matrix Spike Dup 1.1	1.04e4	79.4	NO
3	3	13C3-PFHxS	B7J0136-MSD1 Matrix Spike Dup 1.1	2.36e3	103.4	NO
4	4	13C8-PFOA	B7J0136-MSD1 Matrix Spike Dup 1.1	1.05e4	89.2	NO
5	5	13C9-PFNA	B7J0136-MSD1 Matrix Spike Dup 1.1	1.06e4	95.0	NO
6	6	13C4-PFOS	B7J0136-MSD1 Matrix Spike Dup 1.1	2.23e3	89.1	NO
7	7	13C6-PFDA	B7J0136-MSD1 Matrix Spike Dup 1.1	1.12e4	93.0	NO
8	8	13C7-PFUnA	B7J0136-MSD1 Matrix Spike Dup 1.1	1.01e4	72.8	NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_27, Date: 26-Oct-2017, Time: 14:06:41, ID: B7J0136-MS2 Matrix Spike 1.12, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0136-MS2 Matrix Spike 1.12	8.42e3	89.0	NO
2	2	13C5-PFHxA	B7J0136-MS2 Matrix Spike 1.12	1.05e4	80.3	NO
3	3	13C3-PFHxS	B7J0136-MS2 Matrix Spike 1.12	2.27e3	99.4	NO
4	4	13C8-PFOA	B7J0136-MS2 Matrix Spike 1.12	7.89e3	67.1	NO
5	5	13C9-PFNA	B7J0136-MS2 Matrix Spike 1.12	1.17e4	105.0	NO
6	6	13C4-PFOS	B7J0136-MS2 Matrix Spike 1.12	2.32e3	92.4	NO
7	7	13C6-PFDA	B7J0136-MS2 Matrix Spike 1.12	6.49e3	54.1	NO
8	8	13C7-PFUnA	B7J0136-MS2 Matrix Spike 1.12	1.47e4	105.8	NO

Name: 171026M1_28, Date: 26-Oct-2017, Time: 14:17:51, ID: B7J0136-MSD2 Matrix Spike Dup 1.18, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7J0136-MSD2 Matrix Spike Dup 1.18	7.00e3	74.0	NO
2	2	13C5-PFHxA	B7J0136-MSD2 Matrix Spike Dup 1.18	8.82e3	67.3	NO
3	3	13C3-PFHxS	B7J0136-MSD2 Matrix Spike Dup 1.18	1.95e3	85.3	NO
4	4	13C8-PFOA	B7J0136-MSD2 Matrix Spike Dup 1.18	6.71e3	57.0	NO
5	5	13C9-PFNA	B7J0136-MSD2 Matrix Spike Dup 1.18	9.22e3	82.4	NO
6	6	13C4-PFOS	B7J0136-MSD2 Matrix Spike Dup 1.18	1.77e3	70.7	NO
7	7	13C6-PFDA	B7J0136-MSD2 Matrix Spike Dup 1.18	5.29e3	44.1	YES
8	8	13C7-PFUnA	B7J0136-MSD2 Matrix Spike Dup 1.18	9.79e3	70.7	NO

Name: 171026M1_29, Date: 26-Oct-2017, Time: 14:29:02, ID: 1701430-02RE2@20X Foam-6603 Loud 0.04537, Description: Foam-6603 Loud

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701430-02RE2@20X Foam-6603 Lou...	3.54e2	3.7	YES
2	2	13C5-PFHxA	1701430-02RE2@20X Foam-6603 Lou...	5.28e2	4.0	YES
3	3	13C3-PFHxS	1701430-02RE2@20X Foam-6603 Lou...	9.71e1	4.3	YES
4	4	13C8-PFOA	1701430-02RE2@20X Foam-6603 Lou...	4.96e2	4.2	YES
5	5	13C9-PFNA	1701430-02RE2@20X Foam-6603 Lou...	5.35e2	4.8	YES
6	6	13C4-PFOS	1701430-02RE2@20X Foam-6603 Lou...	1.13e2	4.5	YES
7	7	13C6-PFDA	1701430-02RE2@20X Foam-6603 Lou...	5.45e2	4.5	YES
8	8	13C7-PFUnA	1701430-02RE2@20X Foam-6603 Lou...	6.74e2	4.9	YES

Name: 171026M1_30, Date: 26-Oct-2017, Time: 14:40:13, ID: 1701430-02RE2 Foam-6603 Loud 0.04537, Description: Foam-6603 Loud

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701430-02RE2 Foam-6603 Loud 0.045...	7.69e3	81.2	NO
2	2	13C5-PFHxA	1701430-02RE2 Foam-6603 Loud 0.045...	1.06e4	81.1	NO
3	3	13C3-PFHxS	1701430-02RE2 Foam-6603 Loud 0.045...	1.98e3	86.7	NO
4	4	13C8-PFOA	1701430-02RE2 Foam-6603 Loud 0.045...	9.21e3	78.3	NO
5	5	13C9-PFNA	1701430-02RE2 Foam-6603 Loud 0.045...	1.06e4	95.0	NO
6	6	13C4-PFOS	1701430-02RE2 Foam-6603 Loud 0.045...	2.04e3	81.5	NO
7	7	13C6-PFDA	1701430-02RE2 Foam-6603 Loud 0.045...	1.20e4	100.1	NO
8	8	13C7-PFUnA	1701430-02RE2 Foam-6603 Loud 0.045...	1.44e4	103.8	NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_31, Date: 26-Oct-2017, Time: 14:51:24, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171026M1_32, Date: 26-Oct-2017, Time: 15:02:34, ID: 1701432-08RE1 Site 4-GW-04GW03-20171004 0.11516, Description: Site 4-GW-04GW03-20171004

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701432-08RE1 Site 4-GW-04GW03-2...	7.96e3	84.1	NO
2	2	13C5-PFHxA	1701432-08RE1 Site 4-GW-04GW03-2...	1.08e4	82.5	NO
3	3	13C3-PFHxS	1701432-08RE1 Site 4-GW-04GW03-2...	1.93e3	84.6	NO
4	4	13C8-PFOA	1701432-08RE1 Site 4-GW-04GW03-2...	9.84e3	83.6	NO
5	5	13C9-PFNA	1701432-08RE1 Site 4-GW-04GW03-2...	1.16e4	103.5	NO
6	6	13C4-PFOS	1701432-08RE1 Site 4-GW-04GW03-2...	2.44e3	97.3	NO
7	7	13C6-PFDA	1701432-08RE1 Site 4-GW-04GW03-2...	1.22e4	101.7	NO
8	8	13C7-PFUnA	1701432-08RE1 Site 4-GW-04GW03-2...	1.22e4	87.9	NO

Name: 171026M1_33, Date: 26-Oct-2017, Time: 15:13:45, ID: 1701384-01@10X MW-6 0.125, Description: MW-6

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701384-01@10X MW-6 0.125	3.54e3	18.7	YES
2	2	13C5-PFHxA	1701384-01@10X MW-6 0.125	5.19e3	19.8	YES
3	3	13C3-PFHxS	1701384-01@10X MW-6 0.125	1.01e3	22.1	YES
4	4	13C8-PFOA	1701384-01@10X MW-6 0.125	4.96e3	21.1	YES
5	5	13C9-PFNA	1701384-01@10X MW-6 0.125	5.68e3	25.4	YES
6	6	13C4-PFOS	1701384-01@10X MW-6 0.125	1.21e3	24.1	YES
7	7	13C6-PFDA	1701384-01@10X MW-6 0.125	5.36e3	22.3	YES
8	8	13C7-PFUnA	1701384-01@10X MW-6 0.125	6.05e3	21.9	YES

Name: 171026M1_34, Date: 26-Oct-2017, Time: 15:24:56, ID: 1701385-05@10X B-E-GW 0.11326, Description: B-E-GW

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701385-05@10X B-E-GW 0.11326	3.69e3	19.5	YES
2	2	13C5-PFHxA	1701385-05@10X B-E-GW 0.11326	4.71e3	18.0	YES
3	3	13C3-PFHxS	1701385-05@10X B-E-GW 0.11326	9.70e2	21.2	YES
4	4	13C8-PFOA	1701385-05@10X B-E-GW 0.11326	4.34e3	18.4	YES
5	5	13C9-PFNA	1701385-05@10X B-E-GW 0.11326	4.74e3	21.2	YES
6	6	13C4-PFOS	1701385-05@10X B-E-GW 0.11326	9.47e2	18.9	YES
7	7	13C6-PFDA	1701385-05@10X B-E-GW 0.11326	4.73e3	19.7	YES
8	8	13C7-PFUnA	1701385-05@10X B-E-GW 0.11326	5.45e3	19.7	YES

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_35, Date: 26-Oct-2017, Time: 15:36:06, ID: 1701385-06@10X B-H-GW 0.11258, Description: B-H-GW

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701385-06@10X B-H-GW 0.11258	3.34e3	17.6	YES
2	2	13C5-PFHxA	1701385-06@10X B-H-GW 0.11258	4.43e3	16.9	YES
3	3	13C3-PFHxS	1701385-06@10X B-H-GW 0.11258	8.81e2	19.3	YES
4	4	13C8-PFOA	1701385-06@10X B-H-GW 0.11258	4.20e3	17.8	YES
5	5	13C9-PFNA	1701385-06@10X B-H-GW 0.11258	4.08e3	18.2	YES
6	6	13C4-PFOS	1701385-06@10X B-H-GW 0.11258	9.42e2	18.8	YES
7	7	13C6-PFDA	1701385-06@10X B-H-GW 0.11258	5.26e3	21.9	YES
8	8	13C7-PFUnA	1701385-06@10X B-H-GW 0.11258	5.48e3	19.8	YES

Name: 171026M1_36, Date: 26-Oct-2017, Time: 15:47:17, ID: 1701385-07@10X B-I-GW 0.11542, Description: B-I-GW

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701385-07@10X B-I-GW 0.11542	2.92e3	15.4	YES
2	2	13C5-PFHxA	1701385-07@10X B-I-GW 0.11542	3.99e3	15.2	YES
3	3	13C3-PFHxS	1701385-07@10X B-I-GW 0.11542	7.76e2	17.0	YES
4	4	13C8-PFOA	1701385-07@10X B-I-GW 0.11542	3.57e3	15.2	YES
5	5	13C9-PFNA	1701385-07@10X B-I-GW 0.11542	3.96e3	17.7	YES
6	6	13C4-PFOS	1701385-07@10X B-I-GW 0.11542	7.93e2	15.8	YES
7	7	13C6-PFDA	1701385-07@10X B-I-GW 0.11542	3.99e3	16.6	YES
8	8	13C7-PFUnA	1701385-07@10X B-I-GW 0.11542	4.70e3	17.0	YES

Name: 171026M1_37, Date: 26-Oct-2017, Time: 15:58:27, ID: 1701385-08@10X B-J-GW 0.11666, Description: B-J-GW

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701385-08@10X B-J-GW 0.11666	3.84e3	20.3	YES
2	2	13C5-PFHxA	1701385-08@10X B-J-GW 0.11666	5.15e3	19.6	YES
3	3	13C3-PFHxS	1701385-08@10X B-J-GW 0.11666	9.41e2	20.6	YES
4	4	13C8-PFOA	1701385-08@10X B-J-GW 0.11666	4.93e3	20.9	YES
5	5	13C9-PFNA	1701385-08@10X B-J-GW 0.11666	4.54e3	20.3	YES
6	6	13C4-PFOS	1701385-08@10X B-J-GW 0.11666	1.07e3	21.4	YES
7	7	13C6-PFDA	1701385-08@10X B-J-GW 0.11666	5.06e3	21.1	YES
8	8	13C7-PFUnA	1701385-08@10X B-J-GW 0.11666	5.13e3	18.5	YES

Name: 171026M1_38, Date: 26-Oct-2017, Time: 16:09:38, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_39, Date: 26-Oct-2017, Time: 16:20:49, ID: 1701505-01 Breastmilk #1 0.005, Description: Breastmilk #1

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701505-01 Breastmilk #1 0.005	7.46e3	78.9	NO
2	2	13C5-PFHxA	1701505-01 Breastmilk #1 0.005	1.09e4	83.2	NO
3	3	13C3-PFHxS	1701505-01 Breastmilk #1 0.005	2.00e3	87.5	NO
4	4	13C8-PFOA	1701505-01 Breastmilk #1 0.005	8.60e3	73.1	NO
5	5	13C9-PFNA	1701505-01 Breastmilk #1 0.005	8.27e3	74.0	NO
6	6	13C4-PFOS	1701505-01 Breastmilk #1 0.005	1.57e3	62.8	NO
7	7	13C6-PFDA	1701505-01 Breastmilk #1 0.005	5.84e3	48.6	YES
8	8	13C7-PFUnA	1701505-01 Breastmilk #1 0.005	6.79e3	49.0	YES

Name: 171026M1_40, Date: 26-Oct-2017, Time: 16:32:00, ID: 1701505-02 Breastmilk #2 0.005, Description: Breastmilk #2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701505-02 Breastmilk #2 0.005	7.65e3	80.9	NO
2	2	13C5-PFHxA	1701505-02 Breastmilk #2 0.005	1.06e4	81.0	NO
3	3	13C3-PFHxS	1701505-02 Breastmilk #2 0.005	1.89e3	82.6	NO
4	4	13C8-PFOA	1701505-02 Breastmilk #2 0.005	9.51e3	80.8	NO
5	5	13C9-PFNA	1701505-02 Breastmilk #2 0.005	7.59e3	67.9	NO
6	6	13C4-PFOS	1701505-02 Breastmilk #2 0.005	1.35e3	53.9	NO
7	7	13C6-PFDA	1701505-02 Breastmilk #2 0.005	4.96e3	41.4	YES
8	8	13C7-PFUnA	1701505-02 Breastmilk #2 0.005	4.45e3	32.1	YES

Name: 171026M1_41, Date: 26-Oct-2017, Time: 16:43:10, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171026M1_42, Date: 26-Oct-2017, Time: 16:54:21, ID: ST171026M1-11 PFC CS3 17J1806, Description: PFC CS3 17J1806

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171026M1-11 PFC CS3 17J1806	9.63e3	101.8	NO
2	2	13C5-PFHxA	ST171026M1-11 PFC CS3 17J1806	1.29e4	98.3	NO
3	3	13C3-PFHxS	ST171026M1-11 PFC CS3 17J1806	2.20e3	96.3	NO
4	4	13C8-PFOA	ST171026M1-11 PFC CS3 17J1806	1.15e4	98.0	NO
5	5	13C9-PFNA	ST171026M1-11 PFC CS3 17J1806	1.30e4	116.5	NO
6	6	13C4-PFOS	ST171026M1-11 PFC CS3 17J1806	2.66e3	105.9	NO
7	7	13C6-PFDA	ST171026M1-11 PFC CS3 17J1806	1.49e4	124.3	NO
8	8	13C7-PFUnA	ST171026M1-11 PFC CS3 17J1806	1.77e4	127.5	NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_43, Date: 26-Oct-2017, Time: 17:05:32, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Name: 171026M1_44, Date: 26-Oct-2017, Time: 17:16:50, ID: 1701378-01 BRDLY-02-SB01-0-2 1.07, Description: BRDLY-02-SB01-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-01 BRDLY-02-SB01-0-2 1.07	7.82e3	82.7	NO
2	2	13C5-PFHxA	1701378-01 BRDLY-02-SB01-0-2 1.07	1.13e4	86.0	NO
3	3	13C3-PFHxS	1701378-01 BRDLY-02-SB01-0-2 1.07	2.11e3	92.4	NO
4	4	13C8-PFOA	1701378-01 BRDLY-02-SB01-0-2 1.07	9.27e3	78.8	NO
5	5	13C9-PFNA	1701378-01 BRDLY-02-SB01-0-2 1.07	9.39e3	84.0	NO
6	6	13C4-PFOS	1701378-01 BRDLY-02-SB01-0-2 1.07	1.95e3	77.7	NO
7	7	13C6-PFDA	1701378-01 BRDLY-02-SB01-0-2 1.07	8.88e3	74.0	NO
8	8	13C7-PFUnA	1701378-01 BRDLY-02-SB01-0-2 1.07	6.13e3	44.2	YES

Name: 171026M1_45, Date: 26-Oct-2017, Time: 17:28:15, ID: 1701378-02 BRDLY-02-SB01-13-15 1.2, Description: BRDLY-02-SB01-13-15

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-02 BRDLY-02-SB01-13-15 1.2	7.63e3	80.7	NO
2	2	13C5-PFHxA	1701378-02 BRDLY-02-SB01-13-15 1.2	1.06e4	80.9	NO
3	3	13C3-PFHxS	1701378-02 BRDLY-02-SB01-13-15 1.2	1.97e3	86.2	NO
4	4	13C8-PFOA	1701378-02 BRDLY-02-SB01-13-15 1.2	9.38e3	79.7	NO
5	5	13C9-PFNA	1701378-02 BRDLY-02-SB01-13-15 1.2	9.54e3	85.3	NO
6	6	13C4-PFOS	1701378-02 BRDLY-02-SB01-13-15 1.2	1.81e3	72.3	NO
7	7	13C6-PFDA	1701378-02 BRDLY-02-SB01-13-15 1.2	8.33e3	69.4	NO
8	8	13C7-PFUnA	1701378-02 BRDLY-02-SB01-13-15 1.2	4.69e3	33.9	YES

Name: 171026M1_46, Date: 26-Oct-2017, Time: 17:39:56, ID: 1701378-03 BRDLY-02-SB02-0-2 1.08, Description: BRDLY-02-SB02-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-03 BRDLY-02-SB02-0-2 1.08	7.13e3	75.3	NO
2	2	13C5-PFHxA	1701378-03 BRDLY-02-SB02-0-2 1.08	1.02e4	77.7	NO
3	3	13C3-PFHxS	1701378-03 BRDLY-02-SB02-0-2 1.08	2.15e3	94.0	NO
4	4	13C8-PFOA	1701378-03 BRDLY-02-SB02-0-2 1.08	1.07e4	90.6	NO
5	5	13C9-PFNA	1701378-03 BRDLY-02-SB02-0-2 1.08	9.78e3	87.5	NO
6	6	13C4-PFOS	1701378-03 BRDLY-02-SB02-0-2 1.08	2.59e3	103.4	NO
7	7	13C6-PFDA	1701378-03 BRDLY-02-SB02-0-2 1.08	1.07e4	89.3	NO
8	8	13C7-PFUnA	1701378-03 BRDLY-02-SB02-0-2 1.08	1.09e4	79.1	NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_47, Date: 26-Oct-2017, Time: 17:51:07, ID: 1701378-04 BRDLY-02-SB02-13-15 1.29, Description: BRDLY-02-SB02-13-15

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-04 BRDLY-02-SB02-13-15 1.29	8.42e3	88.9	NO
2	2	13C5-PFHxA	1701378-04 BRDLY-02-SB02-13-15 1.29	1.13e4	86.4	NO
3	3	13C3-PFHxS	1701378-04 BRDLY-02-SB02-13-15 1.29	2.37e3	103.9	NO
4	4	13C8-PFOA	1701378-04 BRDLY-02-SB02-13-15 1.29	1.07e4	91.1	NO
5	5	13C9-PFNA	1701378-04 BRDLY-02-SB02-13-15 1.29	1.17e4	104.6	NO
6	6	13C4-PFOS	1701378-04 BRDLY-02-SB02-13-15 1.29	1.99e3	79.3	NO
7	7	13C6-PFDA	1701378-04 BRDLY-02-SB02-13-15 1.29	1.02e4	85.0	NO
8	8	13C7-PFUnA	1701378-04 BRDLY-02-SB02-13-15 1.29	6.58e3	47.5	YES

Name: 171026M1_48, Date: 26-Oct-2017, Time: 18:02:17, ID: 1701378-05 BRDLY-02-SB03-0-2 1.08, Description: BRDLY-02-SB03-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-05 BRDLY-02-SB03-0-2 1.08	7.98e3	84.3	NO
2	2	13C5-PFHxA	1701378-05 BRDLY-02-SB03-0-2 1.08	1.07e4	81.9	NO
3	3	13C3-PFHxS	1701378-05 BRDLY-02-SB03-0-2 1.08	2.01e3	87.8	NO
4	4	13C8-PFOA	1701378-05 BRDLY-02-SB03-0-2 1.08	9.50e3	80.8	NO
5	5	13C9-PFNA	1701378-05 BRDLY-02-SB03-0-2 1.08	9.92e3	88.8	NO
6	6	13C4-PFOS	1701378-05 BRDLY-02-SB03-0-2 1.08	2.12e3	84.7	NO
7	7	13C6-PFDA	1701378-05 BRDLY-02-SB03-0-2 1.08	8.99e3	74.9	NO
8	8	13C7-PFUnA	1701378-05 BRDLY-02-SB03-0-2 1.08	6.93e3	50.0	NO

Name: 171026M1_49, Date: 26-Oct-2017, Time: 18:13:28, ID: 1701378-06 BRDLY-02-SB03-13-15 1.17, Description: BRDLY-02-SB03-13-15

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-06 BRDLY-02-SB03-13-15 1.17	7.11e3	75.2	NO
2	2	13C5-PFHxA	1701378-06 BRDLY-02-SB03-13-15 1.17	9.68e3	73.9	NO
3	3	13C3-PFHxS	1701378-06 BRDLY-02-SB03-13-15 1.17	2.01e3	88.1	NO
4	4	13C8-PFOA	1701378-06 BRDLY-02-SB03-13-15 1.17	9.18e3	78.1	NO
5	5	13C9-PFNA	1701378-06 BRDLY-02-SB03-13-15 1.17	8.22e3	73.5	NO
6	6	13C4-PFOS	1701378-06 BRDLY-02-SB03-13-15 1.17	1.55e3	62.0	NO
7	7	13C6-PFDA	1701378-06 BRDLY-02-SB03-13-15 1.17	8.42e3	70.2	NO
8	8	13C7-PFUnA	1701378-06 BRDLY-02-SB03-13-15 1.17	5.47e3	39.5	YES

Name: 171026M1_50, Date: 26-Oct-2017, Time: 18:24:38, ID: 1701378-07 BRDLY-05-SB01-0-2 1.08, Description: BRDLY-05-SB01-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-07 BRDLY-05-SB01-0-2 1.08	7.93e3	83.8	NO
2	2	13C5-PFHxA	1701378-07 BRDLY-05-SB01-0-2 1.08	1.07e4	81.5	NO
3	3	13C3-PFHxS	1701378-07 BRDLY-05-SB01-0-2 1.08	2.22e3	97.1	NO
4	4	13C8-PFOA	1701378-07 BRDLY-05-SB01-0-2 1.08	1.03e4	87.6	NO
5	5	13C9-PFNA	1701378-07 BRDLY-05-SB01-0-2 1.08	1.03e4	92.1	NO
6	6	13C4-PFOS	1701378-07 BRDLY-05-SB01-0-2 1.08	2.29e3	91.2	NO
7	7	13C6-PFDA	1701378-07 BRDLY-05-SB01-0-2 1.08	1.01e4	83.9	NO
8	8	13C7-PFUnA	1701378-07 BRDLY-05-SB01-0-2 1.08	9.15e3	66.1	NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_51, Date: 26-Oct-2017, Time: 18:35:49, ID: 1701378-08 BRDLY-05-SB02-0-2 1.07, Description: BRDLY-05-SB02-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-08 BRDLY-05-SB02-0-2 1.07	7.24e3	76.5	NO
2	2	13C5-PFHxA	1701378-08 BRDLY-05-SB02-0-2 1.07	9.77e3	74.6	NO
3	3	13C3-PFHxS	1701378-08 BRDLY-05-SB02-0-2 1.07	1.87e3	81.8	NO
4	4	13C8-PFOA	1701378-08 BRDLY-05-SB02-0-2 1.07	8.59e3	73.0	NO
5	5	13C9-PFNA	1701378-08 BRDLY-05-SB02-0-2 1.07	1.12e4	100.4	NO
6	6	13C4-PFOS	1701378-08 BRDLY-05-SB02-0-2 1.07	2.22e3	88.5	NO
7	7	13C6-PFDA	1701378-08 BRDLY-05-SB02-0-2 1.07	9.53e3	79.4	NO
8	8	13C7-PFUnA	1701378-08 BRDLY-05-SB02-0-2 1.07	9.29e3	67.1	NO

Name: 171026M1_52, Date: 26-Oct-2017, Time: 18:47:00, ID: 1701378-09 BRDLY-05-SB02-9-11 1.07, Description: BRDLY-05-SB02-9-11

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-09 BRDLY-05-SB02-9-11 1.07	8.09e3	85.5	NO
2	2	13C5-PFHxA	1701378-09 BRDLY-05-SB02-9-11 1.07	1.08e4	82.4	NO
3	3	13C3-PFHxS	1701378-09 BRDLY-05-SB02-9-11 1.07	1.97e3	86.4	NO
4	4	13C8-PFOA	1701378-09 BRDLY-05-SB02-9-11 1.07	9.21e3	78.3	NO
5	5	13C9-PFNA	1701378-09 BRDLY-05-SB02-9-11 1.07	1.03e4	91.7	NO
6	6	13C4-PFOS	1701378-09 BRDLY-05-SB02-9-11 1.07	2.06e3	82.1	NO
7	7	13C6-PFDA	1701378-09 BRDLY-05-SB02-9-11 1.07	9.53e3	79.4	NO
8	8	13C7-PFUnA	1701378-09 BRDLY-05-SB02-9-11 1.07	5.93e3	42.9	YES

Name: 171026M1_53, Date: 26-Oct-2017, Time: 18:58:11, ID: 1701378-10 BRDLY-05-SB03-0-2 1.05, Description: BRDLY-05-SB03-0-2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-10 BRDLY-05-SB03-0-2 1.05	7.07e3	74.7	NO
2	2	13C5-PFHxA	1701378-10 BRDLY-05-SB03-0-2 1.05	9.56e3	72.9	NO
3	3	13C3-PFHxS	1701378-10 BRDLY-05-SB03-0-2 1.05	1.84e3	80.5	NO
4	4	13C8-PFOA	1701378-10 BRDLY-05-SB03-0-2 1.05	8.19e3	69.6	NO
5	5	13C9-PFNA	1701378-10 BRDLY-05-SB03-0-2 1.05	9.31e3	83.3	NO
6	6	13C4-PFOS	1701378-10 BRDLY-05-SB03-0-2 1.05	2.04e3	81.4	NO
7	7	13C6-PFDA	1701378-10 BRDLY-05-SB03-0-2 1.05	1.01e4	84.1	NO
8	8	13C7-PFUnA	1701378-10 BRDLY-05-SB03-0-2 1.05	9.38e3	67.8	NO

Name: 171026M1_54, Date: 26-Oct-2017, Time: 19:09:21, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_55, Date: 26-Oct-2017, Time: 19:20:33, ID: ST171026M1-12 PFC CS3 17J1806, Description: PFC CS3 17J1806

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	ST171026M1-12 PFC CS3 17J1806	9.88e3	104.4	NO
2	2 13C5-PFHxA	ST171026M1-12 PFC CS3 17J1806	1.32e4	100.7	NO
3	3 13C3-PFHxS	ST171026M1-12 PFC CS3 17J1806	2.41e3	105.5	NO
4	4 13C8-PFOA	ST171026M1-12 PFC CS3 17J1806	1.20e4	102.1	NO
5	5 13C9-PFNA	ST171026M1-12 PFC CS3 17J1806	1.30e4	116.2	NO
6	6 13C4-PFOS	ST171026M1-12 PFC CS3 17J1806	2.89e3	115.2	NO
7	7 13C6-PFDA	ST171026M1-12 PFC CS3 17J1806	1.50e4	124.7	NO
8	8 13C7-PFUnA	ST171026M1-12 PFC CS3 17J1806	1.91e4	137.9	NO

Name: 171026M1_56, Date: 26-Oct-2017, Time: 19:31:43, ID: IPA, Description: IPA

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	IPA			NO
2	2 13C5-PFHxA	IPA			NO
3	3 13C3-PFHxS	IPA			NO
4	4 13C8-PFOA	IPA			NO
5	5 13C9-PFNA	IPA			NO
6	6 13C4-PFOS	IPA			NO
7	7 13C6-PFDA	IPA			NO
8	8 13C7-PFUnA	IPA			NO

Name: 171026M1_57, Date: 26-Oct-2017, Time: 19:42:53, ID: 1701378-11 BRDLY-05-SB03-9-11 1.38, Description: BRDLY-05-SB03-9-11

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701378-11 BRDLY-05-SB03-9-11 1.38	6.92e3	73.2	NO
2	2 13C5-PFHxA	1701378-11 BRDLY-05-SB03-9-11 1.38	9.77e3	74.6	NO
3	3 13C3-PFHxS	1701378-11 BRDLY-05-SB03-9-11 1.38	1.96e3	85.6	NO
4	4 13C8-PFOA	1701378-11 BRDLY-05-SB03-9-11 1.38	7.62e3	64.8	NO
5	5 13C9-PFNA	1701378-11 BRDLY-05-SB03-9-11 1.38	9.02e3	80.7	NO
6	6 13C4-PFOS	1701378-11 BRDLY-05-SB03-9-11 1.38	1.54e3	61.5	NO
7	7 13C6-PFDA	1701378-11 BRDLY-05-SB03-9-11 1.38	5.96e3	49.6	YES
8	8 13C7-PFUnA	1701378-11 BRDLY-05-SB03-9-11 1.38	3.42e3	24.7	YES

Name: 171026M1_58, Date: 26-Oct-2017, Time: 19:54:04, ID: 1701378-13 BRDLY-03-SB03-0-2 1.13, Description: BRDLY-03-SB03-0-2

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701378-13 BRDLY-03-SB03-0-2 1.13	7.09e3	75.0	NO
2	2 13C5-PFHxA	1701378-13 BRDLY-03-SB03-0-2 1.13	9.41e3	71.8	NO
3	3 13C3-PFHxS	1701378-13 BRDLY-03-SB03-0-2 1.13	1.98e3	86.6	NO
4	4 13C8-PFOA	1701378-13 BRDLY-03-SB03-0-2 1.13	9.65e3	82.0	NO
5	5 13C9-PFNA	1701378-13 BRDLY-03-SB03-0-2 1.13	1.10e4	98.8	NO
6	6 13C4-PFOS	1701378-13 BRDLY-03-SB03-0-2 1.13	2.15e3	85.9	NO
7	7 13C6-PFDA	1701378-13 BRDLY-03-SB03-0-2 1.13	1.13e4	94.3	NO
8	8 13C7-PFUnA	1701378-13 BRDLY-03-SB03-0-2 1.13	1.23e4	88.6	NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_59, Date: 26-Oct-2017, Time: 20:05:15, ID: 1701378-14 BRDLY-05-SB01-9-11 1.15, Description: BRDLY-05-SB01-9-11

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701378-14 BRDLY-05-SB01-9-11 1.15	7.71e3	81.4	NO
2	2	13C5-PFHxA	1701378-14 BRDLY-05-SB01-9-11 1.15	1.03e4	78.2	NO
3	3	13C3-PFHxS	1701378-14 BRDLY-05-SB01-9-11 1.15	2.14e3	93.5	NO
4	4	13C8-PFOA	1701378-14 BRDLY-05-SB01-9-11 1.15	9.66e3	82.1	NO
5	5	13C9-PFNA	1701378-14 BRDLY-05-SB01-9-11 1.15	1.10e4	98.0	NO
6	6	13C4-PFOS	1701378-14 BRDLY-05-SB01-9-11 1.15	2.09e3	83.3	NO
7	7	13C6-PFDA	1701378-14 BRDLY-05-SB01-9-11 1.15	9.36e3	78.0	NO
8	8	13C7-PFUnA	1701378-14 BRDLY-05-SB01-9-11 1.15	7.46e3	53.9	NO

Name: 171026M1_60, Date: 26-Oct-2017, Time: 20:16:25, ID: 1701411-01 BRDLY-03-SB03-11-13 1.21, Description: BRDLY-03-SB03-11-13

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701411-01 BRDLY-03-SB03-11-13 1.21	8.44e3	89.2	NO
2	2	13C5-PFHxA	1701411-01 BRDLY-03-SB03-11-13 1.21	1.14e4	87.2	NO
3	3	13C3-PFHxS	1701411-01 BRDLY-03-SB03-11-13 1.21	2.17e3	95.2	NO
4	4	13C8-PFOA	1701411-01 BRDLY-03-SB03-11-13 1.21	1.00e4	85.2	NO
5	5	13C9-PFNA	1701411-01 BRDLY-03-SB03-11-13 1.21	1.06e4	94.6	NO
6	6	13C4-PFOS	1701411-01 BRDLY-03-SB03-11-13 1.21	2.01e3	80.2	NO
7	7	13C6-PFDA	1701411-01 BRDLY-03-SB03-11-13 1.21	1.04e4	86.7	NO
8	8	13C7-PFUnA	1701411-01 BRDLY-03-SB03-11-13 1.21	9.15e3	66.1	NO

Name: 171026M1_61, Date: 26-Oct-2017, Time: 20:27:36, ID: 1701429-02 H1-SB-135-0'-2'-1017 1.2, Description: H1-SB-135-0'-2'-1017

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701429-02 H1-SB-135-0'-2'-1017 1.2	7.05e3	74.5	NO
2	2	13C5-PFHxA	1701429-02 H1-SB-135-0'-2'-1017 1.2	9.42e3	71.8	NO
3	3	13C3-PFHxS	1701429-02 H1-SB-135-0'-2'-1017 1.2	1.99e3	87.2	NO
4	4	13C8-PFOA	1701429-02 H1-SB-135-0'-2'-1017 1.2	9.33e3	79.3	NO
5	5	13C9-PFNA	1701429-02 H1-SB-135-0'-2'-1017 1.2	1.07e4	95.6	NO
6	6	13C4-PFOS	1701429-02 H1-SB-135-0'-2'-1017 1.2	2.26e3	90.2	NO
7	7	13C6-PFDA	1701429-02 H1-SB-135-0'-2'-1017 1.2	1.02e4	85.3	NO
8	8	13C7-PFUnA	1701429-02 H1-SB-135-0'-2'-1017 1.2	1.03e4	74.3	NO

Name: 171026M1_62, Date: 26-Oct-2017, Time: 20:38:47, ID: 1701429-03 H1-SB-136-0'-2'-1017 1.14, Description: H1-SB-136-0'-2'-1017

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701429-03 H1-SB-136-0'-2'-1017 1.14	7.97e3	84.2	NO
2	2	13C5-PFHxA	1701429-03 H1-SB-136-0'-2'-1017 1.14	1.06e4	80.5	NO
3	3	13C3-PFHxS	1701429-03 H1-SB-136-0'-2'-1017 1.14	2.02e3	88.5	NO
4	4	13C8-PFOA	1701429-03 H1-SB-136-0'-2'-1017 1.14	9.70e3	82.4	NO
5	5	13C9-PFNA	1701429-03 H1-SB-136-0'-2'-1017 1.14	1.04e4	93.3	NO
6	6	13C4-PFOS	1701429-03 H1-SB-136-0'-2'-1017 1.14	2.10e3	83.7	NO
7	7	13C6-PFDA	1701429-03 H1-SB-136-0'-2'-1017 1.14	1.04e4	86.5	NO
8	8	13C7-PFUnA	1701429-03 H1-SB-136-0'-2'-1017 1.14	1.02e4	73.6	NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_63, Date: 26-Oct-2017, Time: 20:49:57, ID: 1701429-04 H1-SB-137-0'-2'-1017 1.18, Description: H1-SB-137-0'-2'-1017

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701429-04 H1-SB-137-0'-2'-1017 1.18	7.73e3	81.7	NO
2	2	13C5-PFHxA	1701429-04 H1-SB-137-0'-2'-1017 1.18	1.11e4	84.6	NO
3	3	13C3-PFHxS	1701429-04 H1-SB-137-0'-2'-1017 1.18	2.16e3	94.7	NO
4	4	13C8-PFOA	1701429-04 H1-SB-137-0'-2'-1017 1.18	9.70e3	82.4	NO
5	5	13C9-PFNA	1701429-04 H1-SB-137-0'-2'-1017 1.18	1.07e4	95.7	NO
6	6	13C4-PFOS	1701429-04 H1-SB-137-0'-2'-1017 1.18	1.97e3	78.7	NO
7	7	13C6-PFDA	1701429-04 H1-SB-137-0'-2'-1017 1.18	9.87e3	82.2	NO
8	8	13C7-PFUnA	1701429-04 H1-SB-137-0'-2'-1017 1.18	6.98e3	50.4	NO

Name: 171026M1_64, Date: 26-Oct-2017, Time: 21:01:09, ID: 1701429-05 H1-SB-138-0'-2'-1017 1.1, Description: H1-SB-138-0'-2'-1017

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701429-05 H1-SB-138-0'-2'-1017 1.1	6.86e3	72.5	NO
2	2	13C5-PFHxA	1701429-05 H1-SB-138-0'-2'-1017 1.1	9.17e3	70.0	NO
3	3	13C3-PFHxS	1701429-05 H1-SB-138-0'-2'-1017 1.1	1.88e3	82.4	NO
4	4	13C8-PFOA	1701429-05 H1-SB-138-0'-2'-1017 1.1	7.11e3	60.4	NO
5	5	13C9-PFNA	1701429-05 H1-SB-138-0'-2'-1017 1.1	9.04e3	80.9	NO
6	6	13C4-PFOS	1701429-05 H1-SB-138-0'-2'-1017 1.1	1.87e3	74.8	NO
7	7	13C6-PFDA	1701429-05 H1-SB-138-0'-2'-1017 1.1	6.33e3	52.7	NO
8	8	13C7-PFUnA	1701429-05 H1-SB-138-0'-2'-1017 1.1	1.15e4	83.3	NO

Name: 171026M1_65, Date: 26-Oct-2017, Time: 21:12:19, ID: 1701426-05RE1@5x FOAM1710050900JNR 0.00104, Description: FOAM1710050900JNR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701426-05RE1@5x FOAM171005090...	4.24e3	44.9	YES
2	2	13C5-PFHxA	1701426-05RE1@5x FOAM171005090...	5.65e3	43.1	YES
3	3	13C3-PFHxS	1701426-05RE1@5x FOAM171005090...	1.09e3	47.8	YES
4	4	13C8-PFOA	1701426-05RE1@5x FOAM171005090...	5.30e3	45.1	YES
5	5	13C9-PFNA	1701426-05RE1@5x FOAM171005090...	5.85e3	52.3	NO
6	6	13C4-PFOS	1701426-05RE1@5x FOAM171005090...	1.12e3	44.6	YES
7	7	13C6-PFDA	1701426-05RE1@5x FOAM171005090...	5.94e3	49.5	YES
8	8	13C7-PFUnA	1701426-05RE1@5x FOAM171005090...	7.58e3	54.8	NO

Name: 171026M1_66, Date: 26-Oct-2017, Time: 21:23:30, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Dataset: Untitled

Last Altered: Friday, October 27, 2017 15:35:32 Pacific Daylight Time
Printed: Friday, October 27, 2017 15:36:12 Pacific Daylight Time

Name: 171026M1_67, Date: 26-Oct-2017, Time: 21:34:41, ID: ST171026M1-13 PFC CS3 17J1806, Description: PFC CS3 17J1806

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST171026M1-13 PFC CS3 17J1806	1.02e4	108.3	NO
2	2	13C5-PFHxA	ST171026M1-13 PFC CS3 17J1806	1.37e4	104.2	NO
3	3	13C3-PFHxS	ST171026M1-13 PFC CS3 17J1806	2.65e3	116.0	NO
4	4	13C8-PFOA	ST171026M1-13 PFC CS3 17J1806	1.25e4	105.9	NO
5	5	13C9-PFNA	ST171026M1-13 PFC CS3 17J1806	1.35e4	121.1	NO
6	6	13C4-PFOS	ST171026M1-13 PFC CS3 17J1806	2.64e3	105.3	NO
7	7	13C6-PFDA	ST171026M1-13 PFC CS3 17J1806	1.39e4	116.2	NO
8	8	13C7-PFUnA	ST171026M1-13 PFC CS3 17J1806	1.73e4	124.8	NO

Name: 171026M1_68, Date: 26-Oct-2017, Time: 21:45:51, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA			NO
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA			NO
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUnA	IPA			NO

Vista Analytical Laboratory

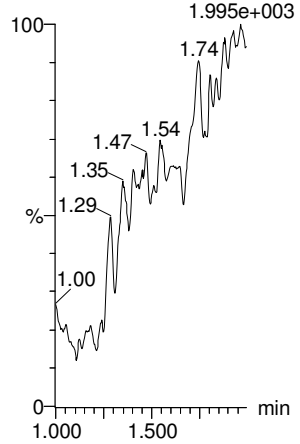
Dataset: Untitled

Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

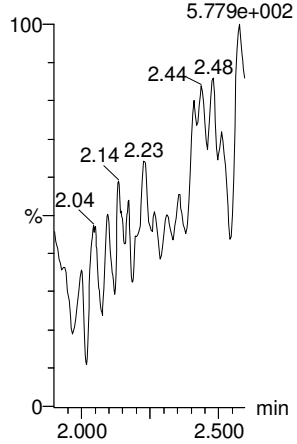
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 26 Oct 2017 08:20:12
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 26 Oct 2017 16:54:06

Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

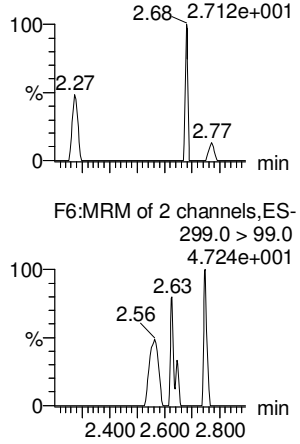
PFBA



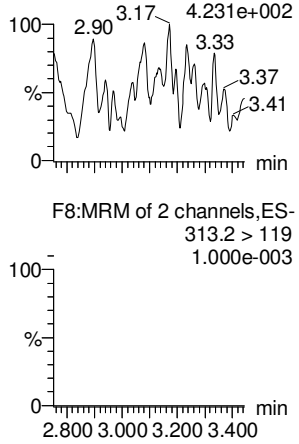
PFPeA



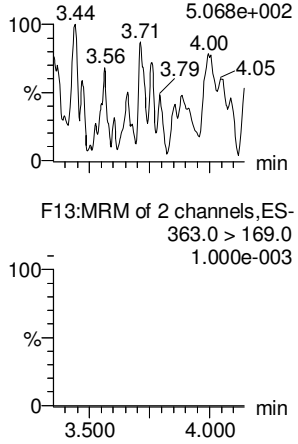
PFBS



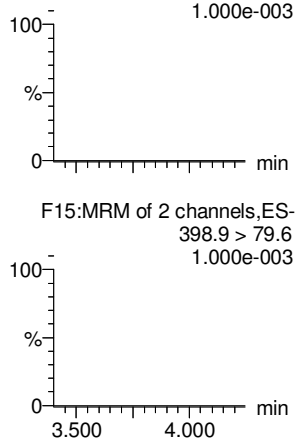
PFHxA



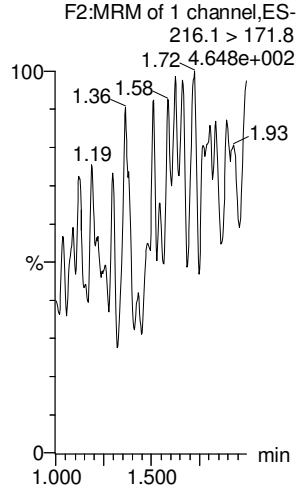
PFHpA



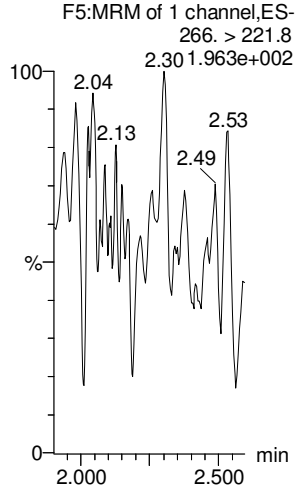
L-PFHxS



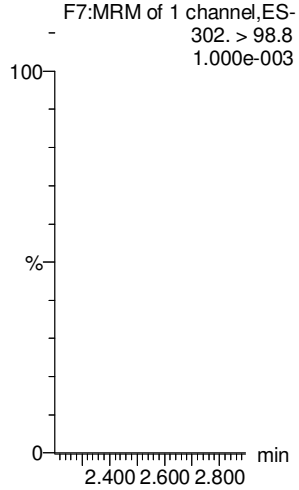
13C3-PFBA



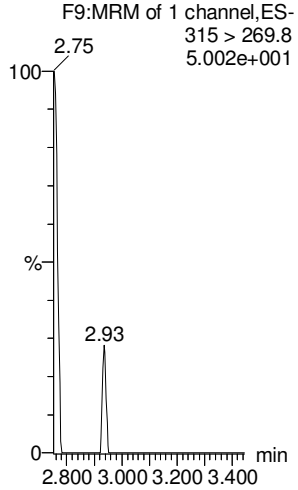
13C3-PFPeA



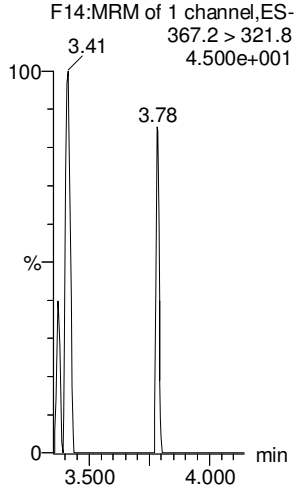
13C3-PFBS



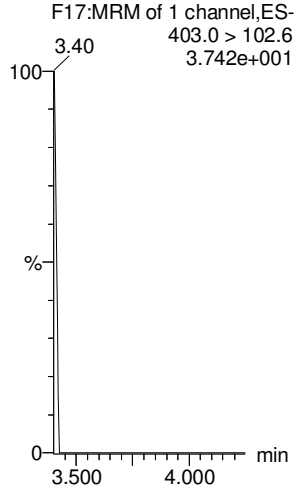
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



GM 10/26/17

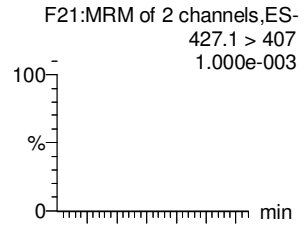
Vista Analytical Laboratory

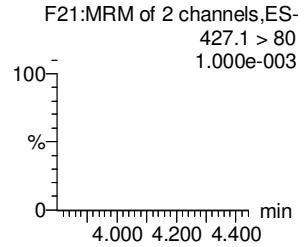
Dataset: Untitled

Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

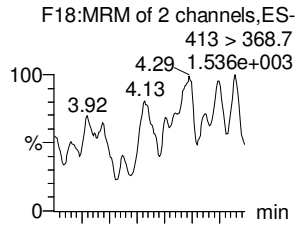
Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

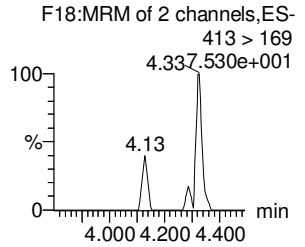
6:2 FTS



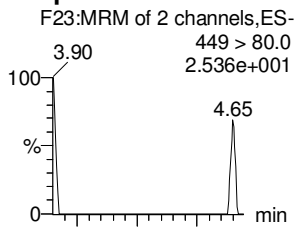


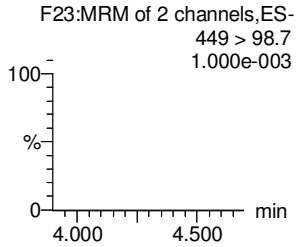
L-PFOA



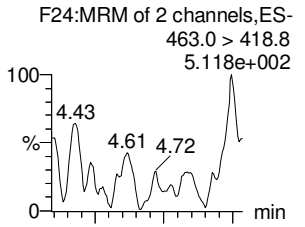


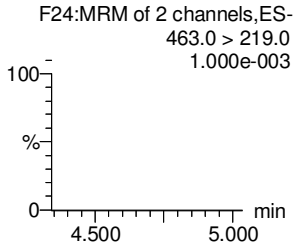
PFHpS



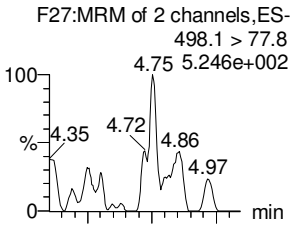


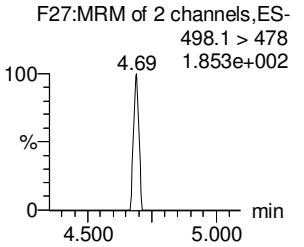
PFNA



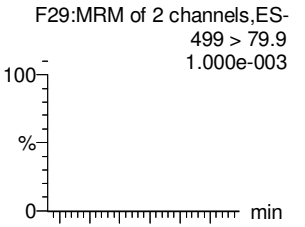


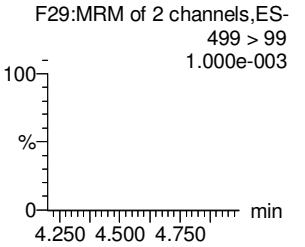
PFOSA



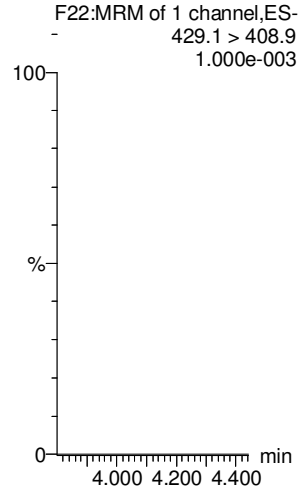


L-PFOS

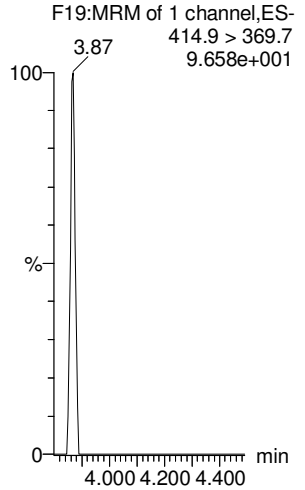




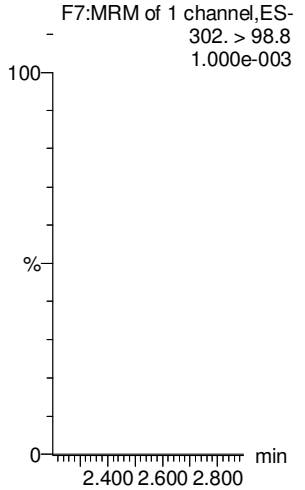
13C2-6:2 FTS



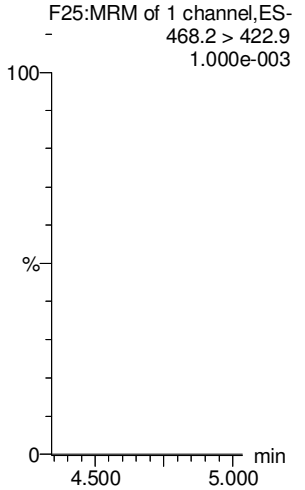
13C2-PFOA



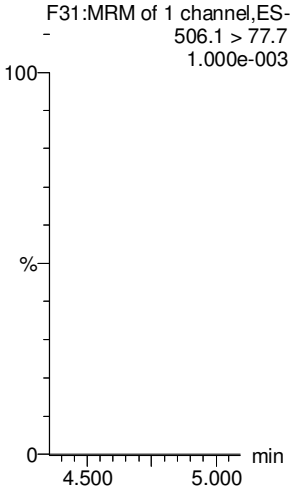
13C3-PFBS



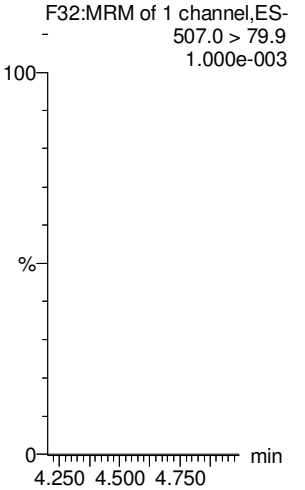
13C5-PFNA



13C8-PFOSA



13C8-PFOS



GM 10/26/17

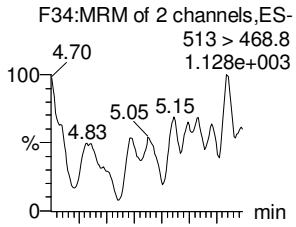
Vista Analytical Laboratory

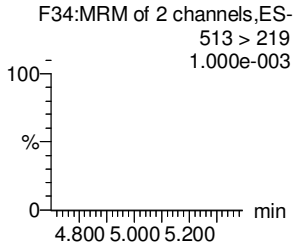
Dataset: Untitled

Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

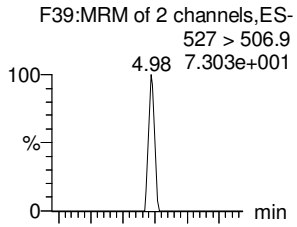
Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

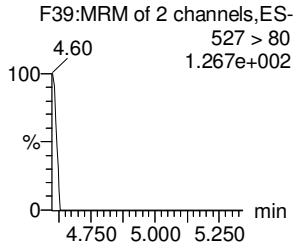
PFDA



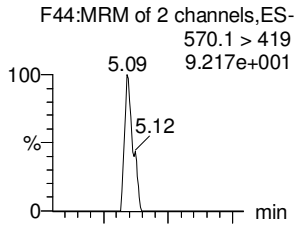


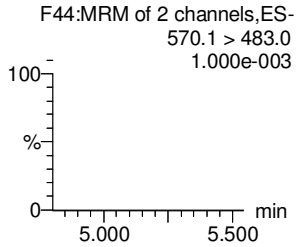
8:2 FTS



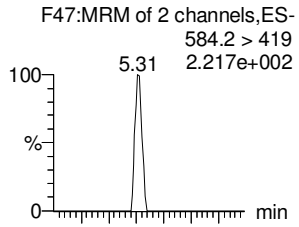


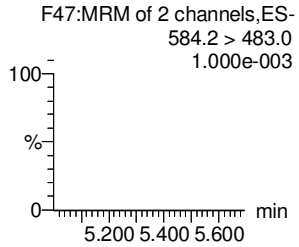
N-MeFOSAA



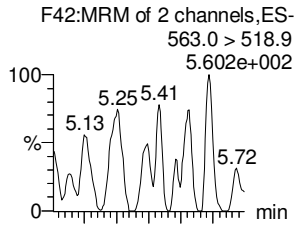


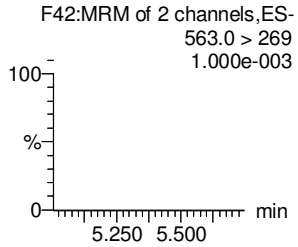
N-EtFOSAA



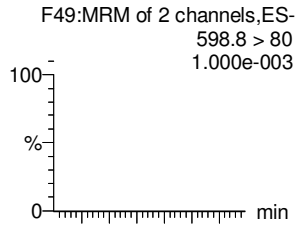


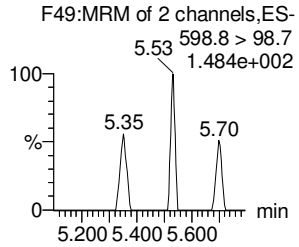
PFUnA



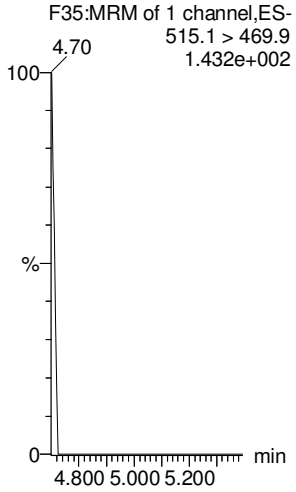


PFDS

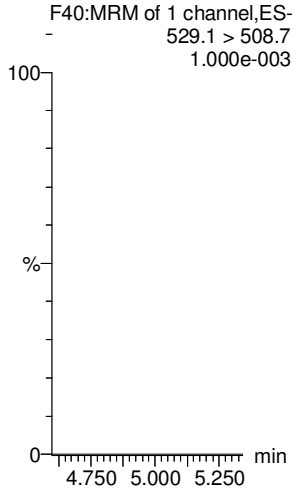




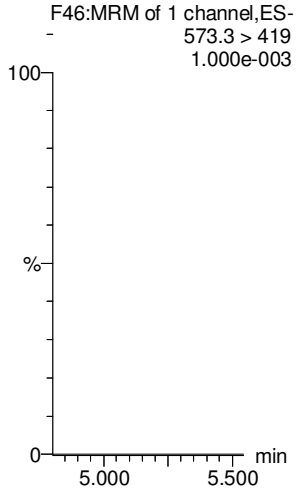
13C2-PFDA



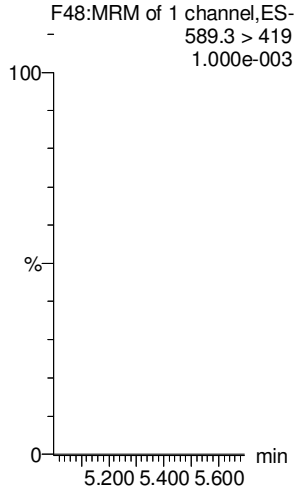
13C2-8:2 FTS



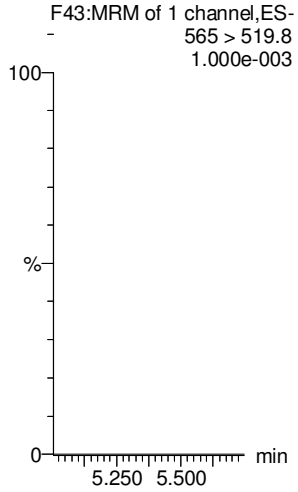
d3-N-MeFOSAA



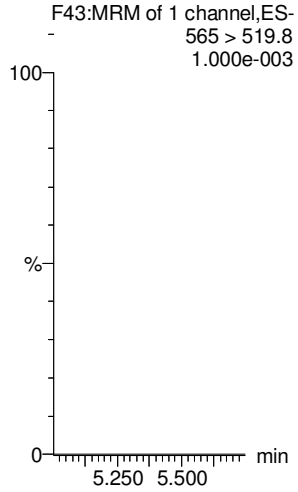
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



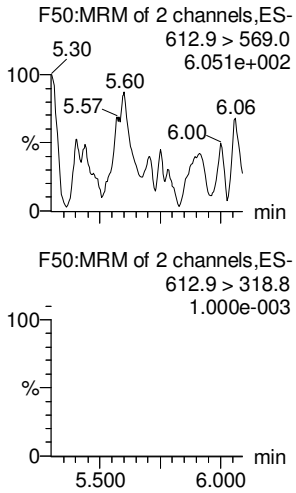
GM 10/26/17

Dataset: Untitled

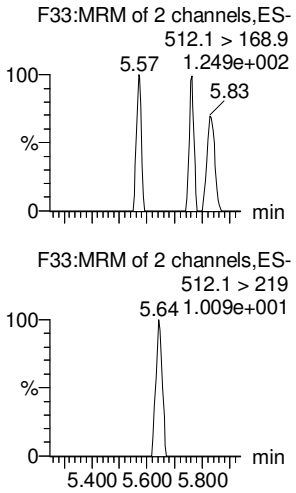
Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

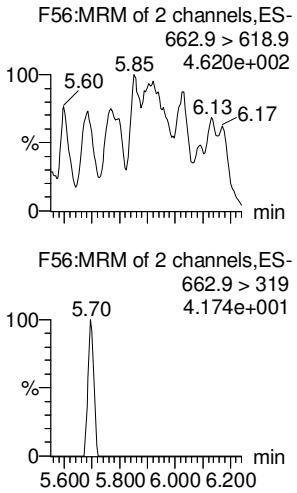
PFDoA



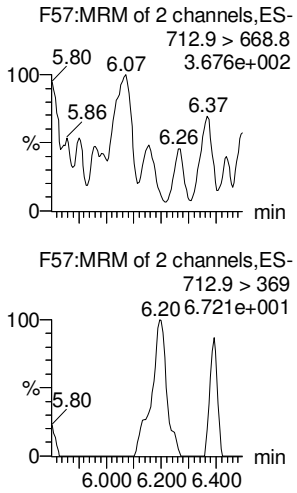
N-MeFOSA



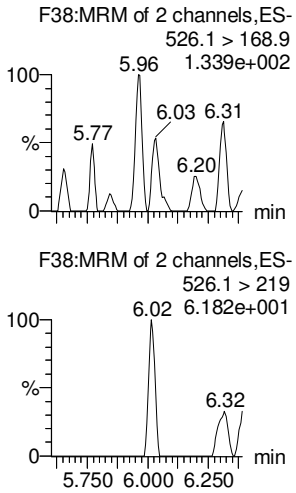
PFTrDA



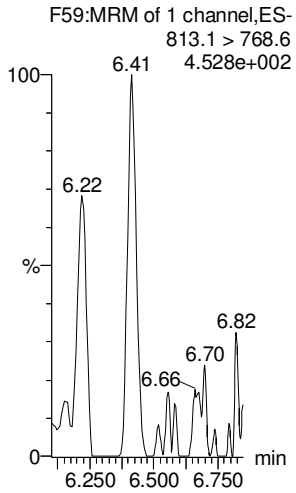
PFTeDA



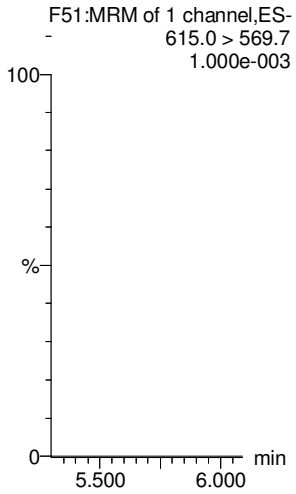
N-EtFOSA



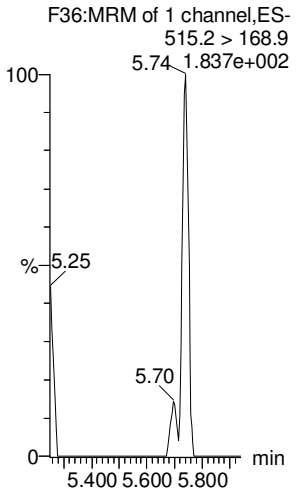
PFHxDA



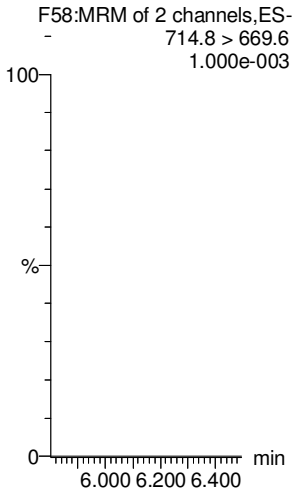
13C2-PFDoA



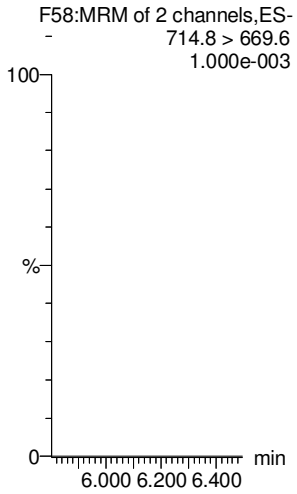
d3-N-MeFOSA



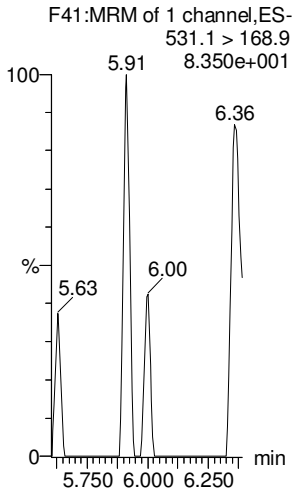
13C2-PFTeDA



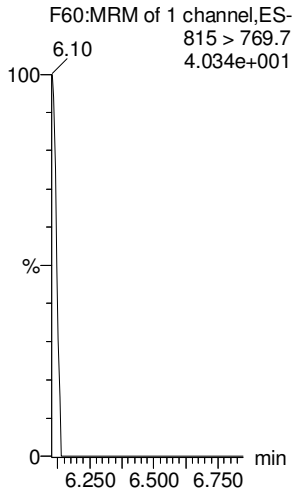
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



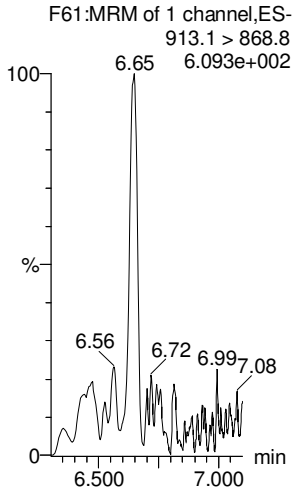
GM 10/26/17

Dataset: Untitled

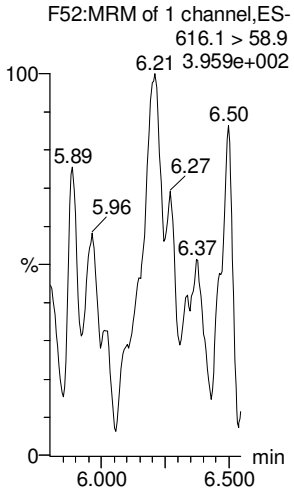
Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

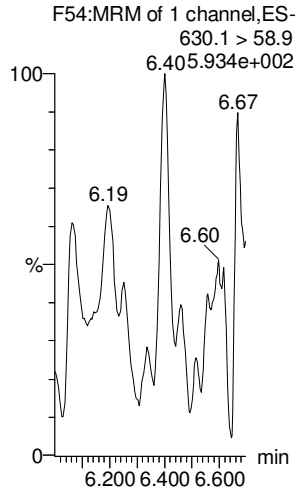
PFODA



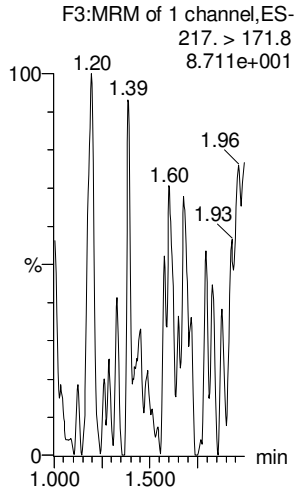
N-MeFOSE



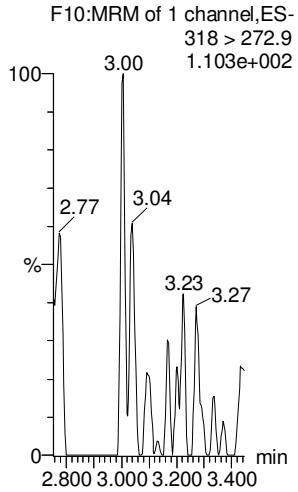
N-EtFOSE



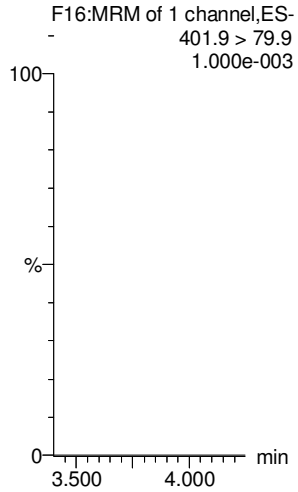
13C4-PFBA



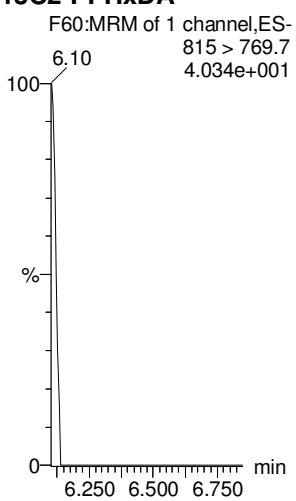
13C5-PFHxA



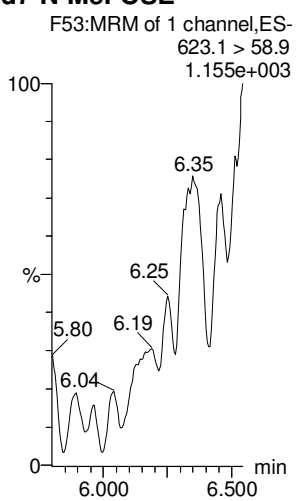
13C3-PFHxS



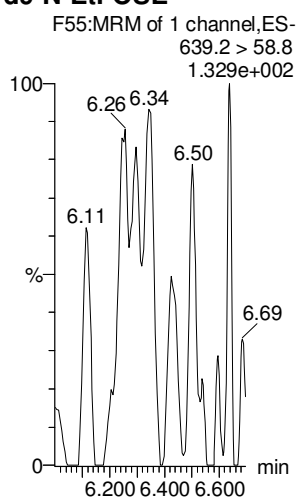
13C2-PFHxDA



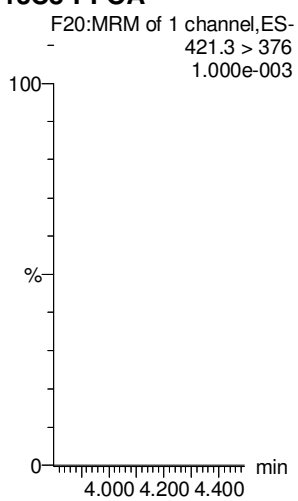
d7-N-MeFOSE



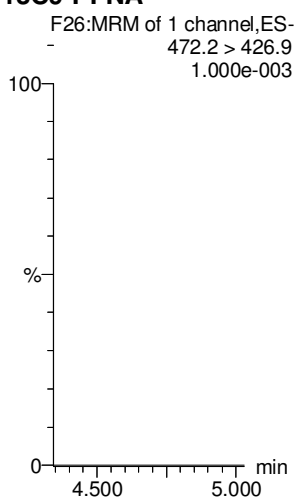
d9-N-EtFOSE



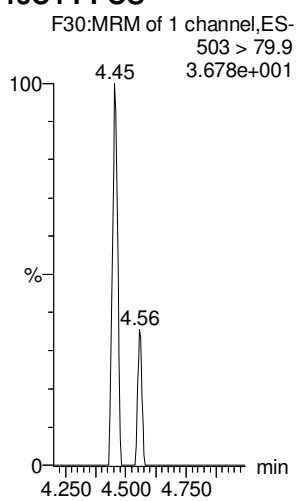
13C8-PFOA



13C9-PFNA



13C4-PFOS



GM 10/26/17

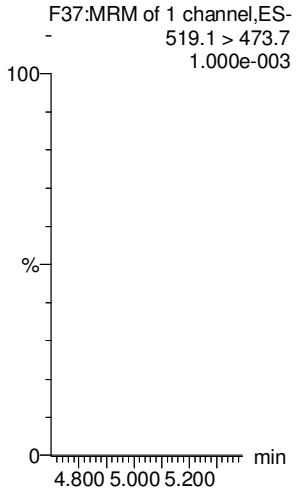
Vista Analytical Laboratory

Dataset: Untitled

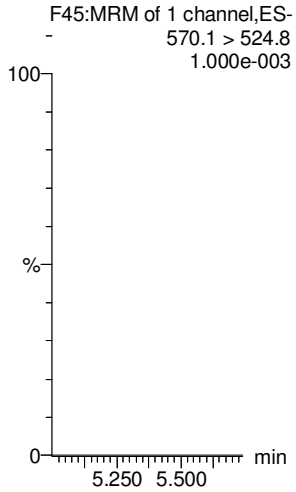
Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

13C6-PFDA



13C7-PFUnA



GM 10/26/17

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171026M1\171026M1-42.qld

Last Altered: Friday, October 27, 2017 10:51:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:52:07 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 10:03:44
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

(A) Above limit criteria

Name: 171026M1_42, Date: 26-Oct-2017, Time: 16:54:21, ID: ST171026M1-11 PFC CS3 17J1806, Description: PFC CS3 17J1806

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.0 > 168.8	9.56e3	8.95e3		1.32	1.22	13.4	10.7	106.7
2	2	PFPeA	263.1 > 218.9	9.69e3	9.79e3		2.31	2.20	12.4	10.7	107.2
3	3	PFBS	299.0 > 79.7	2.34e3	1.22e3		2.59	2.50	23.9	9.82	98.2
4	4	PFHxA	313.2 > 268.9	1.42e4	3.89e3		3.08	2.99	18.2	10.9	109.2
5	5	PFHpA	363.0 > 318.9	1.20e4	9.39e3		3.70	3.61	15.9	10.5	105.2
6	6	L-PFHxS	398.9 > 79.6	2.02e3	9.52e2		3.86	3.77	26.5	11.0	109.5
7	8	6:2 FTS	427.1 > 407	2.63e3	2.78e3		4.18	4.09	11.8	11.5	115.4
8	9	L-PFOA	413 > 368.7	1.35e4	1.29e4		4.23	4.14	13.1	11.4	113.8
9	11	PFHpS	449 > 80.0	2.34e3	1.29e4		4.34	4.26	2.27	11.0	110.2
10	12	PFNA	463.0 > 418.8	1.50e4	1.17e4		4.67	4.59	16.0	11.1	110.5
11	13	PFOSA	498.1 > 77.8	3.83e3	3.74e3		4.72	4.64	12.8	11.0	109.9
12	14	L-PFOS	499 > 79.9	2.39e3	2.79e3		4.76	4.68	10.7	9.29	92.9
13	16	PFDA	513 > 468.8	1.87e4	1.37e4		5.05	4.97	17.0	12.6	125.9
14	17	8:2 FTS	527 > 506.9	3.10e3	2.41e3		5.03	4.94	16.1	12.1	121.2
15	18	N-MeFOSAA	570.1 > 419	7.81e3	5.29e3		5.21	5.13	18.5	11.7	116.8
16	19	N-EtFOSAA	584.2 > 419	6.38e3	5.40e3		5.37	5.29	14.8	11.7	116.5
17	20	PFUnA	563.0 > 518.9	1.69e4	1.61e4		5.38	5.30	13.1	11.5	114.9
18	21	PFDS	598.8 > 80	3.47e3	1.61e4		5.43	5.36	2.70	13.8	(A) 137.8
19	22	PFDoA	612.9 > 569.0	2.16e4	1.67e4		5.67	5.59	16.2	12.8	128.2
20	23	N-MeFOSA	512.1 > 168.9	5.74e3	1.35e4		5.63	5.59	64.0	52.8	105.5
21	24	PFTrDA	662.9 > 618.9	2.30e4	1.67e4		5.92	5.85	17.3	12.9	128.7
22	25	PFTeDA	712.9 > 668.8	1.82e4	1.43e4		6.13	6.06	16.0	9.74	97.4
23	26	N-EtFOSA	526.1 > 168.9	6.68e3	1.95e4		6.04	6.03	51.4	50.7	101.3
24	27	PFHxDA	813.1 > 768.6	5.50e3	2.88e3		6.46	6.40	9.55	13.0	129.7
25	29	N-MeFOSE	616.1 > 58.9	9.78e3	2.31e4		6.23	6.24	63.5	59.2	118.4
26	30	N-EtFOSE	630.1 > 58.9	9.95e3	2.00e4		6.39	6.40	74.5	57.7	115.4
27	31	13C3-PFBA	216.1 > 171.8	8.95e3	9.63e3	0.928	1.33	1.22	11.6	12.5	100.2
28	32	13C3-PFPeA	266. > 221.8	9.79e3	1.29e4	0.757	2.31	2.20	9.50	12.5	100.4
29	33	13C3-PFBS	302. > 98.8	1.22e3	1.29e4	0.091	2.59	2.50	1.19	13.1	104.6
30	34	13C2-PFHxA	315 > 269.8	3.89e3	1.29e4	0.739	3.08	2.99	3.77	5.10	102.0
31	35	13C4-PFHpA	367.2 > 321.8	9.39e3	1.29e4	0.684	3.70	3.61	9.11	13.3	106.6

30-130

50-150

DM 10/27/17

JA. 10/27/2017

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171026M1\171026M1-42.qld

Last Altered: Friday, October 27, 2017 10:51:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:52:07 Pacific Daylight Time

Name: 171026M1_42, Date: 26-Oct-2017, Time: 16:54:21, ID: ST171026M1-11 PFC CS3 17J1806, Description: PFC CS3 17J1806

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	36	18O2-PFHxS	403.0 > 102.6	9.52e2	2.20e3	0.412	3.85	3.77	5.40	13.1	104.7
33	37	13C2-6:2 FTS	429.1 > 408.9	2.78e3	1.15e4	0.248	4.18	4.08	3.01	12.1	97.2
34	38	13C2-PFOA	414.9 > 369.7	1.29e4	1.15e4	1.120	4.23	4.15	13.9	12.4	99.6
35	39	13C5-PFNA	468.2 > 422.9	1.17e4	1.30e4	0.929	4.67	4.59	11.2	12.1	96.9
36	40	13C8-PFOSA	506.1 > 77.7	3.74e3	1.77e4	0.246	4.72	4.64	2.65	10.7	85.9
37	41	13C8-PFOS	507.0 > 79.9	2.79e3	2.66e3	1.027	4.76	4.67	13.1	12.8	102.1
38	42	13C2-PFDA	515.1 > 469.9	1.37e4	1.49e4	0.946	5.05	4.97	11.5	12.2	97.4
39	43	13C2-8:2 FTS	529.1 > 508.7	2.41e3	1.49e4	0.171	5.03	4.94	2.02	11.8	94.3
40	44	d3-N-MeFOSAA	573.3 > 419	5.29e3	1.77e4	0.358	5.20	5.12	3.74	10.5	83.7
41	45	d5-N-EtFOSAA	589.3 > 419	5.40e3	1.77e4	0.360	5.36	5.28	3.82	10.6	84.9
42	46	13C2-PFUdA	565 > 519.8	1.61e4	1.77e4	1.045	5.38	5.30	11.4	10.9	87.1
43	47	13C2-PFDoA	615.0 > 569.7	1.67e4	1.77e4	1.141	5.67	5.59	11.8	10.3	82.7
44	48	d3-N-MeFOSA	515.2 > 168.9	1.35e4	1.77e4	0.093	5.65	5.62	9.53	102	68.0
45	49	13C2-PFTeDA	714.8 > 669.6	1.43e4	1.77e4	0.934	6.13	6.07	10.1	10.8	86.6
46	50	d5-N-ETFOSA	531.1 > 168.9	1.95e4	1.77e4	0.132	6.06	6.04	13.8	105	69.7
47	51	13C2-PFHxDA	815 > 769.7	2.88e3	1.77e4	0.809	6.45	6.40	2.04	2.52	50.4
48	52	d7-N-MeFOSE	623.1 > 58.9	2.31e4	1.77e4	0.142	6.22	6.23	16.3	115	76.7
49	53	d9-N-EtFOSE	639.2 > 58.8	2.00e4	1.77e4	0.131	6.37	6.39	14.2	109	72.4
50	54	13C4-PFBA	217. > 171.8	9.63e3	9.63e3	1.000	1.33	1.22	12.5	12.5	100.0
51	55	13C5-PFHxA	318 > 272.9	1.29e4	1.29e4	1.000	3.08	2.99	12.5	12.5	100.0
52	56	13C3-PFHxS	401.9 > 79.9	2.20e3	2.20e3	1.000	3.85	3.77	12.5	12.5	100.0
53	57	13C8-PFOA	421.3 > 376	1.15e4	1.15e4	1.000	4.23	4.15	12.5	12.5	100.0
54	58	13C9-PFNA	472.2 > 426.9	1.30e4	1.30e4	1.000	4.67	4.59	12.5	12.5	100.0
55	59	13C4-PFOS	503 > 79.9	2.66e3	2.66e3	1.000	4.76	4.68	12.5	12.5	100.0
56	60	13C6-PFDA	519.1 > 473.7	1.49e4	1.49e4	1.000	5.05	4.97	12.5	12.5	100.0
57	61	13C7-PFUnA	570.1 > 524.8	1.77e4	1.77e4	1.000	5.38	5.30	12.5	12.5	100.0

50-150

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Friday, October 27, 2017 09:45:04 Pacific Daylight Time
Printed: Friday, October 27, 2017 09:46:52 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 26 Oct 2017 08:20:12
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 26 Oct 2017 16:54:06

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171026M1_1	IPA	26-Oct-17	09:14:50
2	171026M1_2	ST171026M1-1 PFC CS-2 17I3006	26-Oct-17	09:26:00
3	171026M1_3	ST171026M1-2 PFC CS-1 17I3007	26-Oct-17	09:37:20
4	171026M1_4	ST171026M1-3 PFC CS0 17J1805	26-Oct-17	09:48:39
5	171026M1_5	ST171026M1-4 PFC CS1 17J3009	26-Oct-17	09:59:50
6	171026M1_6	ST171026M1-5 PFC CS2 17J2519	26-Oct-17	10:11:00
7	171026M1_7	ST171026M1-6 PFC CS3 17J1806	26-Oct-17	10:22:11
8	171026M1_8	ST171026M1-7 PFC CS4 17J2102	26-Oct-17	10:33:24
9	171026M1_9	ST171026M1-8 PFC CS5 17J2101	26-Oct-17	10:44:36
10	171026M1_10	ST171026M1-9 PFC CS6 17J2517	26-Oct-17	10:55:46
11	171026M1_11	ST171026M1-10 PFC CS7 17J2518	26-Oct-17	11:07:20
12	171026M1_12	IPA	26-Oct-17	11:18:50
13	171026M1_13	ICV171026M1-1 PFC ICV 17I3003	26-Oct-17	11:30:01
14	171026M1_14	IPA	26-Oct-17	11:41:12
15	171026M1_15	B7J0122-BS1 OPR 0.125	26-Oct-17	11:52:22
16	171026M1_16	B7J0092-BS1 OPR 0.125	26-Oct-17	12:03:33
17	171026M1_17	B7J0152-BS1 OPR 0.005	26-Oct-17	12:14:43
18	171026M1_18	B7J0136-BS1 OPR 1	26-Oct-17	12:25:54
19	171026M1_19	B7J0136-BSD1 LCS Dup 1	26-Oct-17	12:37:09
20	171026M1_20	IPA	26-Oct-17	12:48:25
21	171026M1_21	B7J0122-BLK1 Method Blank 0.125	26-Oct-17	12:59:36
22	171026M1_22	B7J0092-BLK1 Method Blank 0.125	26-Oct-17	13:10:47
23	171026M1_23	B7J0152-BLK1 Method Blank 0.005	26-Oct-17	13:21:58
24	171026M1_24	B7J0136-BLK1 Method Blank 1	26-Oct-17	13:33:09
25	171026M1_25	B7J0136-MS1 Matrix Spike 1.1	26-Oct-17	13:44:19
26	171026M1_26	B7J0136-MSD1 Matrix Spike Dup 1.1	26-Oct-17	13:55:30
27	171026M1_27	B7J0136-MS2 Matrix Spike 1.12	26-Oct-17	14:06:41
28	171026M1_28	B7J0136-MSD2 Matrix Spike Dup 1.18	26-Oct-17	14:17:51
29	171026M1_29	1701430-02RE2@20X Foam-6603 Loud 0.04...	26-Oct-17	14:29:02
30	171026M1_30	1701430-02RE2 Foam-6603 Loud 0.04537	26-Oct-17	14:40:13
31	171026M1_31	IPA	26-Oct-17	14:51:24

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Friday, October 27, 2017 09:45:04 Pacific Daylight Time
Printed: Friday, October 27, 2017 09:46:52 Pacific Daylight Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	171026M1_32	1701432-08RE1 Site 4-GW-04GW03-201710...	26-Oct-17	15:02:34
33	171026M1_33	1701384-01@10X MW-6 0.125	26-Oct-17	15:13:45
34	171026M1_34	1701385-05@10X B-E-GW 0.11326	26-Oct-17	15:24:56
35	171026M1_35	1701385-06@10X B-H-GW 0.11258	26-Oct-17	15:36:06
36	171026M1_36	1701385-07@10X B-I-GW 0.11542	26-Oct-17	15:47:17
37	171026M1_37	1701385-08@10X B-J-GW 0.11666	26-Oct-17	15:58:27
38	171026M1_38	IPA	26-Oct-17	16:09:38
39	171026M1_39	1701505-01 Breastmilk #1 0.005	26-Oct-17	16:20:49
40	171026M1_40	1701505-02 Breastmilk #2 0.005	26-Oct-17	16:32:00
41	171026M1_41	IPA	26-Oct-17	16:43:10
42	171026M1_42	ST171026M1-11 PFC CS3 17J1806	26-Oct-17	16:54:21
43	171026M1_43	IPA	26-Oct-17	17:05:32
44	171026M1_44	1701378-01 BRDLY-02-SB01-0-2 1.07	26-Oct-17	17:16:50
45	171026M1_45	1701378-02 BRDLY-02-SB01-13-15 1.2	26-Oct-17	17:28:15
46	171026M1_46	1701378-03 BRDLY-02-SB02-0-2 1.08	26-Oct-17	17:39:56
47	171026M1_47	1701378-04 BRDLY-02-SB02-13-15 1.29	26-Oct-17	17:51:07
48	171026M1_48	1701378-05 BRDLY-02-SB03-0-2 1.08	26-Oct-17	18:02:17
49	171026M1_49	1701378-06 BRDLY-02-SB03-13-15 1.17	26-Oct-17	18:13:28
50	171026M1_50	1701378-07 BRDLY-05-SB01-0-2 1.08	26-Oct-17	18:24:38
51	171026M1_51	1701378-08 BRDLY-05-SB02-0-2 1.07	26-Oct-17	18:35:49
52	171026M1_52	1701378-09 BRDLY-05-SB02-9-11 1.07	26-Oct-17	18:47:00
53	171026M1_53	1701378-10 BRDLY-05-SB03-0-2 1.05	26-Oct-17	18:58:11
54	171026M1_54	IPA	26-Oct-17	19:09:21
55	171026M1_55	ST171026M1-12 PFC CS3 17J1806	26-Oct-17	19:20:33
56	171026M1_56	IPA	26-Oct-17	19:31:43
57	171026M1_57	1701378-11 BRDLY-05-SB03-9-11 1.38	26-Oct-17	19:42:53
58	171026M1_58	1701378-13 BRDLY-03-SB03-0-2 1.13	26-Oct-17	19:54:04
59	171026M1_59	1701378-14 BRDLY-05-SB01-9-11 1.15	26-Oct-17	20:05:15
60	171026M1_60	1701411-01 BRDLY-03-SB03-11-13 1.21	26-Oct-17	20:16:25
61	171026M1_61	1701429-02 H1-SB-135-0'-2'-1017 1.2	26-Oct-17	20:27:36
62	171026M1_62	1701429-03 H1-SB-136-0'-2'-1017 1.14	26-Oct-17	20:38:47
63	171026M1_63	1701429-04 H1-SB-137-0'-2'-1017 1.18	26-Oct-17	20:49:57
64	171026M1_64	1701429-05 H1-SB-138-0'-2'-1017 1.1	26-Oct-17	21:01:09
65	171026M1_65	1701426-05RE1@5x FOAM1710050900JNR ...	26-Oct-17	21:12:19

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Friday, October 27, 2017 09:45:04 Pacific Daylight Time
Printed: Friday, October 27, 2017 09:46:52 Pacific Daylight Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	171026M1_66	IPA	26-Oct-17	21:23:30
67	171026M1_67	ST171026M1-13 PFC CS3 17J1806	26-Oct-17	21:34:41

LC Calibration Standards Review Checklist Aq

			ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	
Calibration ID:	ST171026M1-11	L (M) H	NA	☑ (A)	☑	☑	☑	☑	☐
Calibration ID:	-12	L (M) H	☐	☑ (B)	☑	☑	☑	☑	☐
Calibration ID:	-13	L (M) H	☑	☑ (C)	☑	☑	☑	☑	☑
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐
Calibration ID:		L M H	☐	☐	☐	☐	☐	☐	☐

Full Mass Cal. Date: 6/21/17

Run Log Present: ☑

# of Samples per Sequence Checked: ☑

Reviewed By: JA, 10/27/2017
Initials/Date

Comments: R1

(A) PFDS = 137.8%.
(B) $^{13}C_2$ PFHxDA 40.2%.
(C) 8:2 FTS = 149.8%. $^{13}C_2$PFHxDA = 35.3%.

Vista Analytical Laboratory

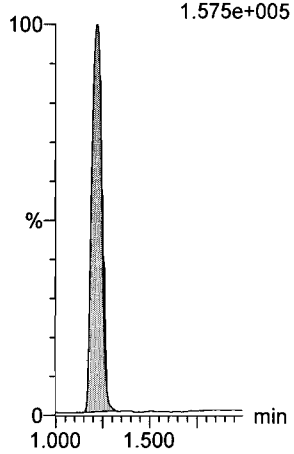
Dataset: U:\Q4.PRO\results\171026M1\171026M1-42.qld

Last Altered: Friday, October 27, 2017 10:51:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:52:07 Pacific Daylight Time

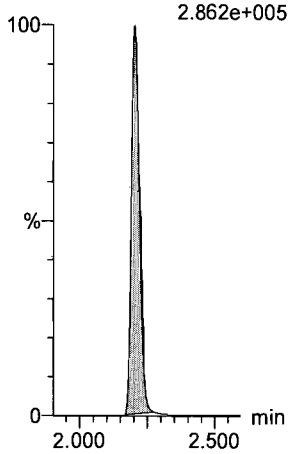
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 10:03:44
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_42, Date: 26-Oct-2017, Time: 16:54:21, ID: ST171026M1-11 PFC CS3 17J1806, Description: PFC CS3 17J1806

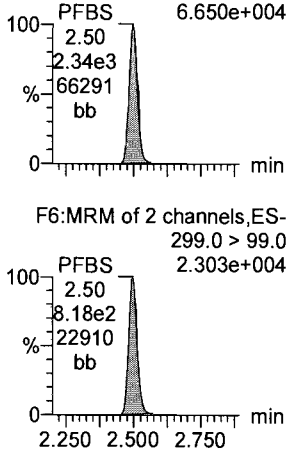
PFBA



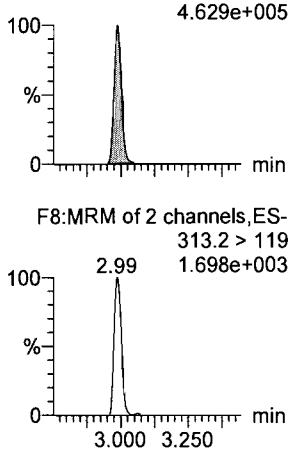
PFPeA



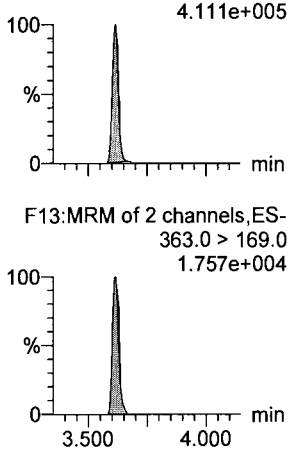
PFBS



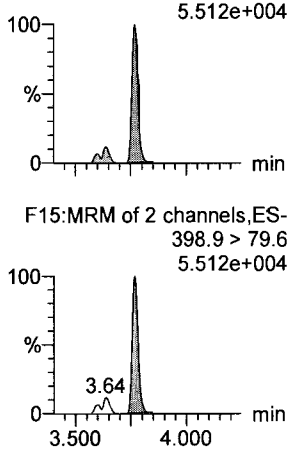
PFHxA



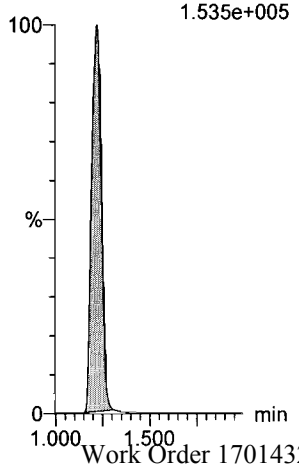
PFHpA



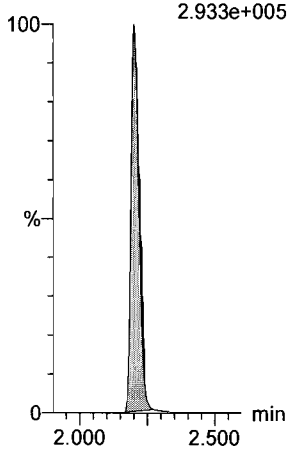
L-PFHxS



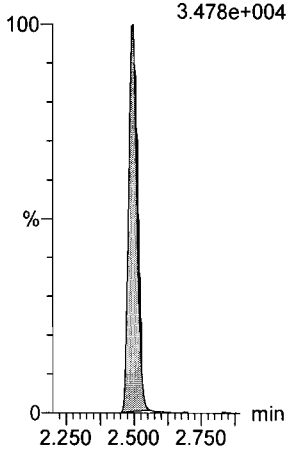
13C3-PFBA



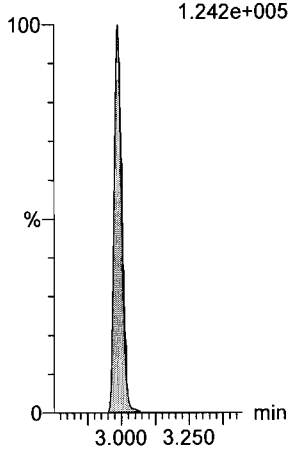
13C3-PFPeA



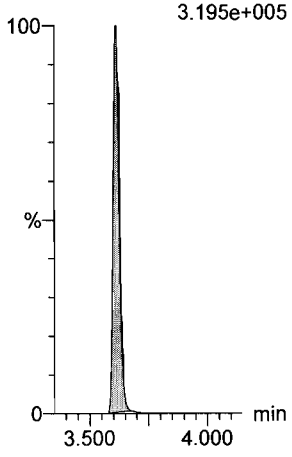
13C3-PFBS



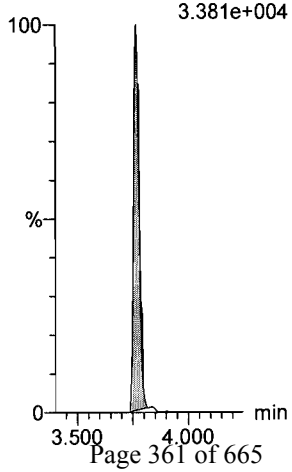
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

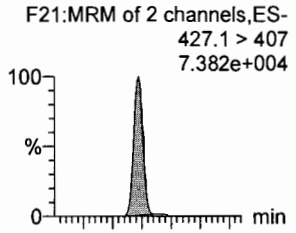


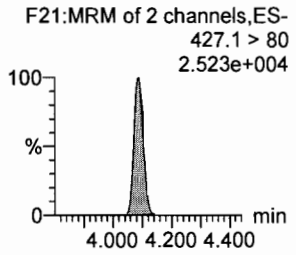
Dataset: U:\Q4.PRO\results\171026M1\171026M1-42.qld

Last Altered: Friday, October 27, 2017 10:51:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:52:07 Pacific Daylight Time

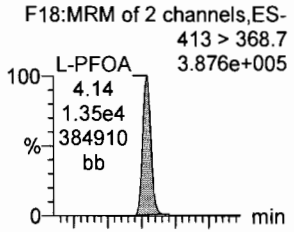
Name: 171026M1_42, Date: 26-Oct-2017, Time: 16:54:21, ID: ST171026M1-11 PFC CS3 17J1806, Description: PFC CS3 17J1806

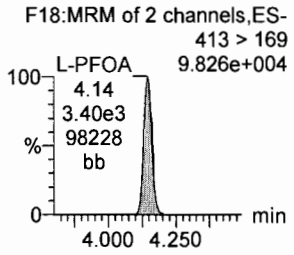
6:2 FTS



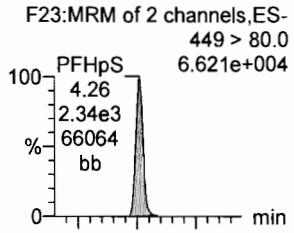


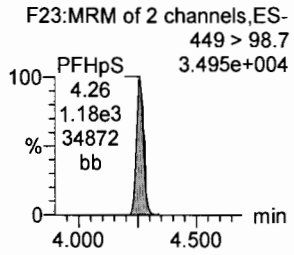
L-PFOA



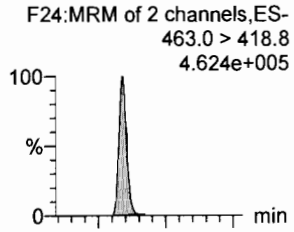


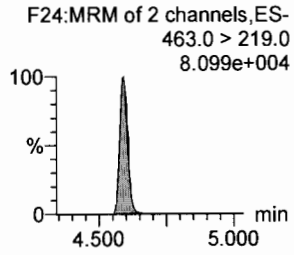
PFHpS



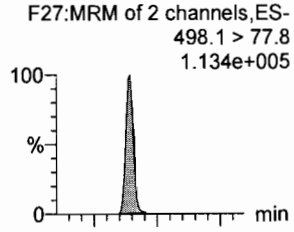


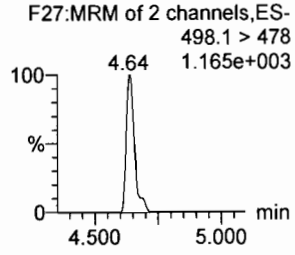
PFNA



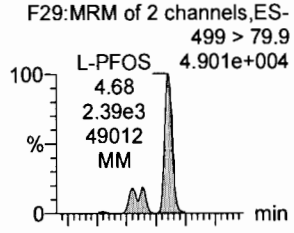


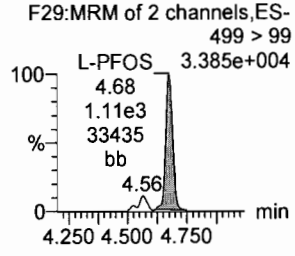
PFOSA



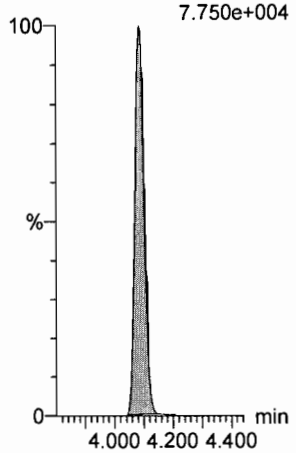


L-PFOS

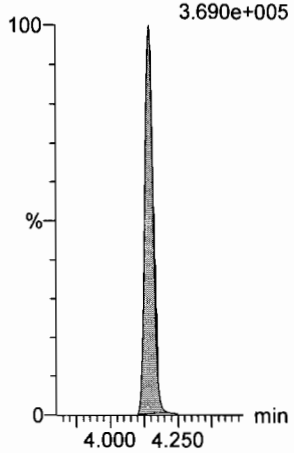




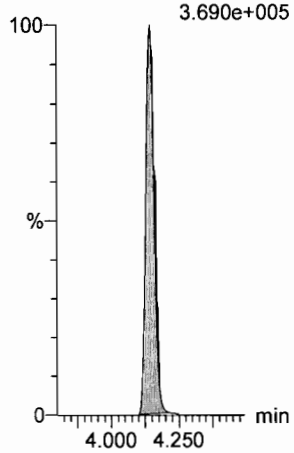
13C2-6:2 FTS



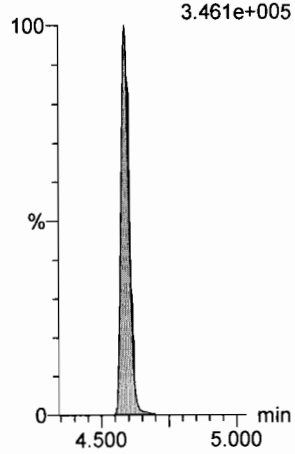
13C2-PFOA



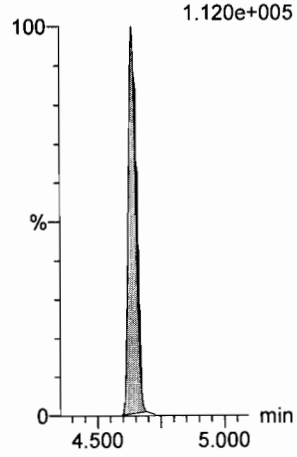
13C2-PFOA



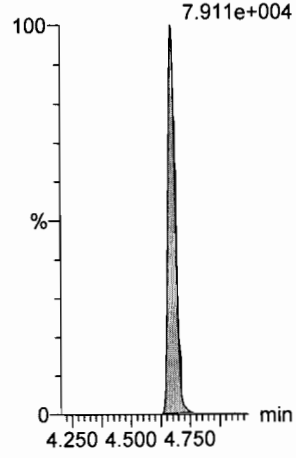
13C5-PFNA



13C8-PFOSA



13C8-PFOS

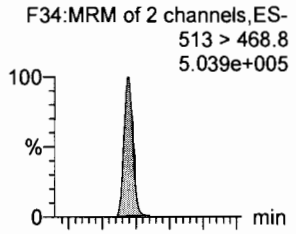


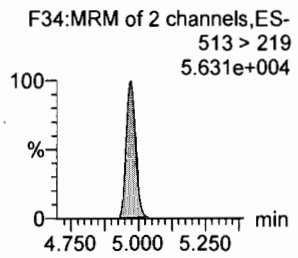
Dataset: U:\Q4.PRO\results\171026M1\171026M1-42.qld

Last Altered: Friday, October 27, 2017 10:51:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:52:07 Pacific Daylight Time

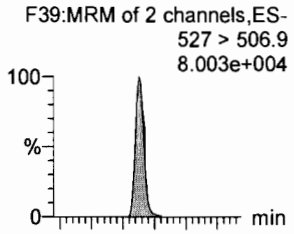
Name: 171026M1_42, Date: 26-Oct-2017, Time: 16:54:21, ID: ST171026M1-11 PFC CS3 17J1806, Description: PFC CS3 17J1806

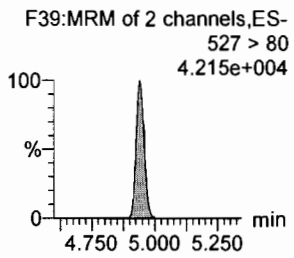
PFDA



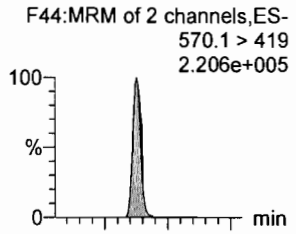


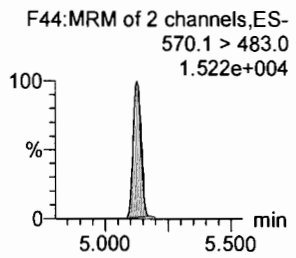
8:2 FTS



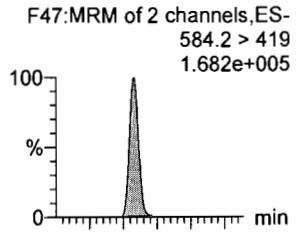


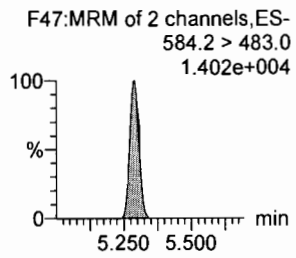
N-MeFOSAA



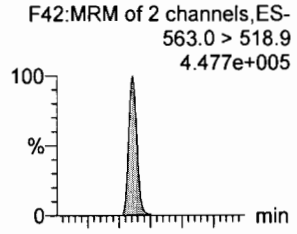


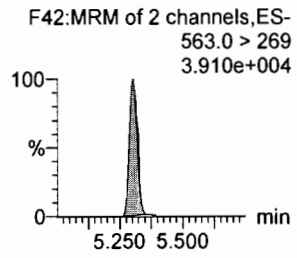
N-EtFOSAA



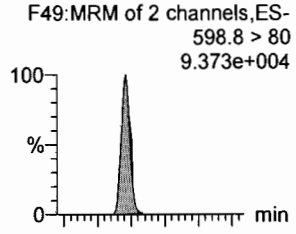


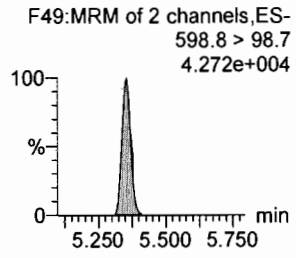
PFUnA



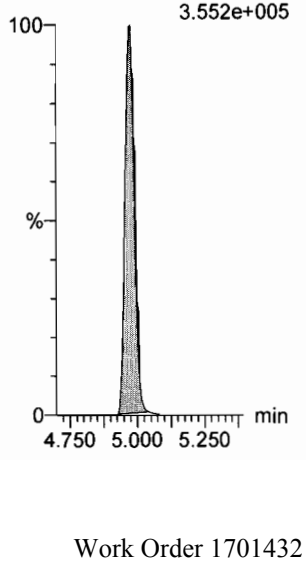


PFDS

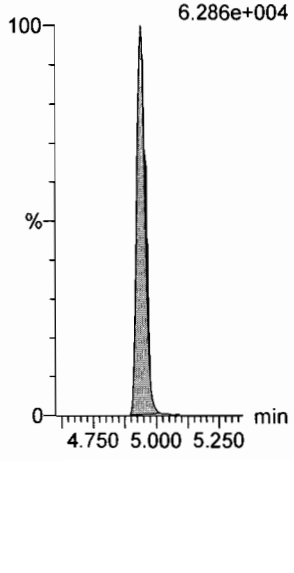




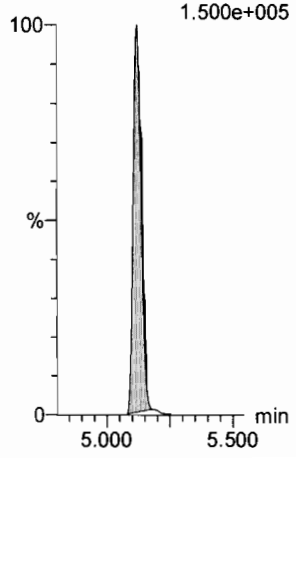
13C2-PFDA



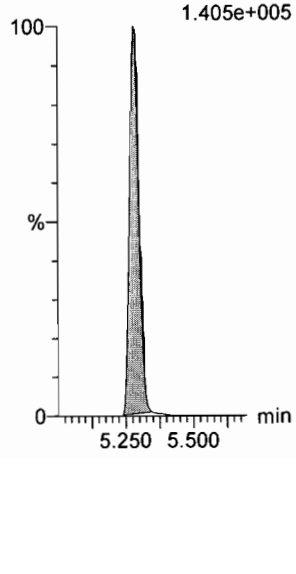
13C2-8:2 FTS



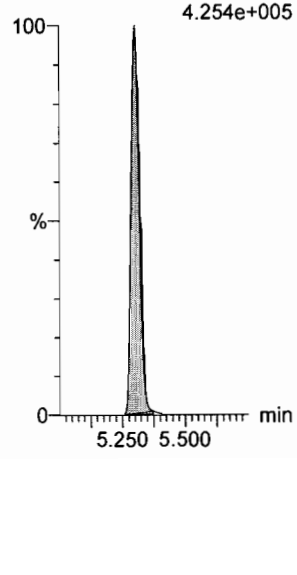
d3-N-MeFOSAA



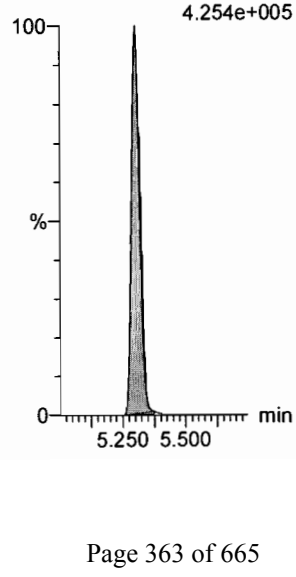
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA

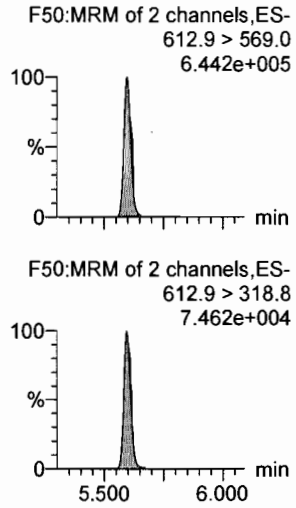


Dataset: U:\Q4.PRO\results\171026M1\171026M1-42.qld

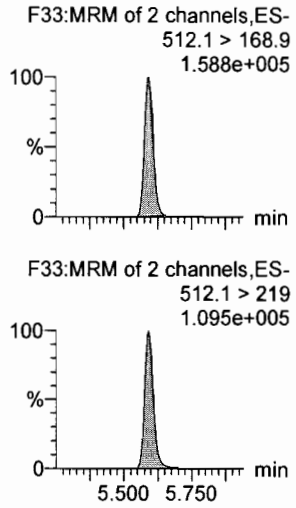
Last Altered: Friday, October 27, 2017 10:51:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:52:07 Pacific Daylight Time

Name: 171026M1_42, Date: 26-Oct-2017, Time: 16:54:21, ID: ST171026M1-11 PFC CS3 17J1806, Description: PFC CS3 17J1806

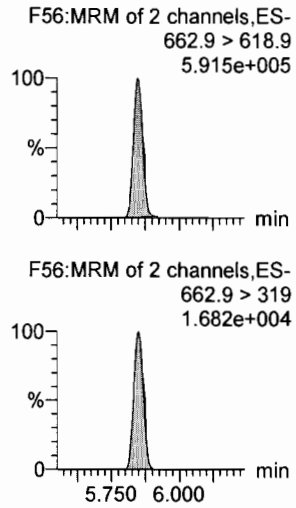
PFDoA



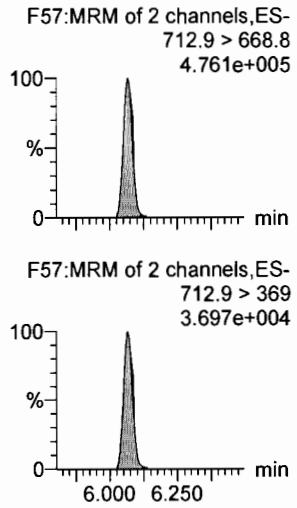
N-MeFOSA



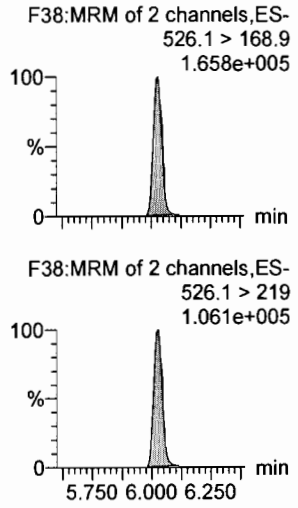
PFTrDA



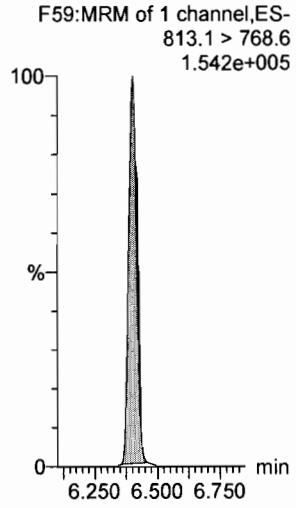
PFTeDA



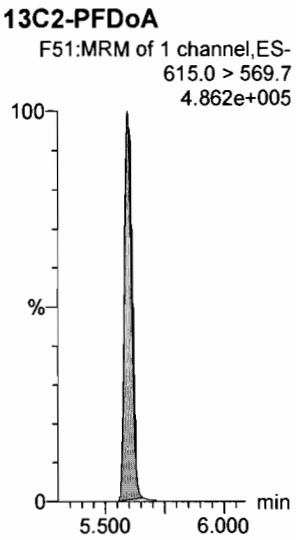
N-EtFOSA



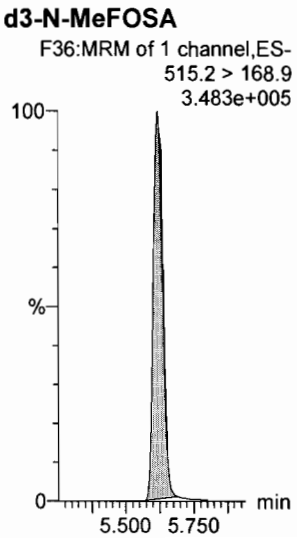
PFHxDA



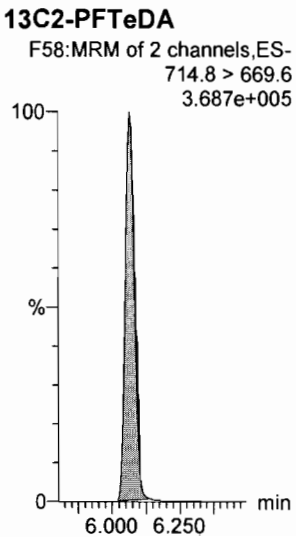
13C2-PFDoA



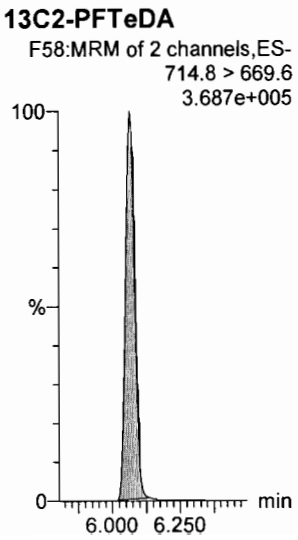
d3-N-MeFOSA



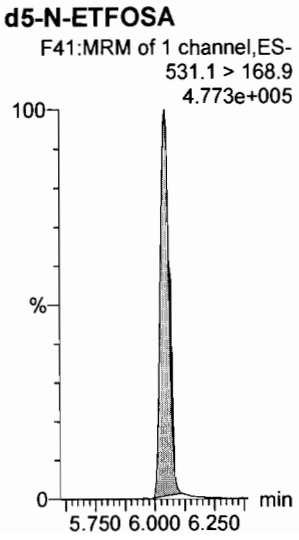
13C2-PFTeDA



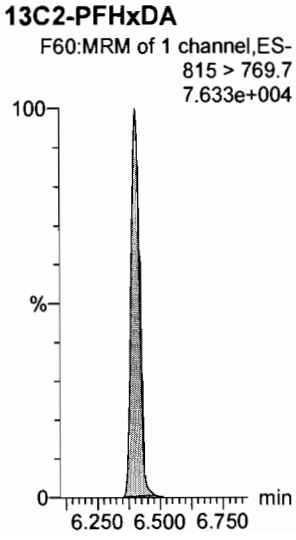
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

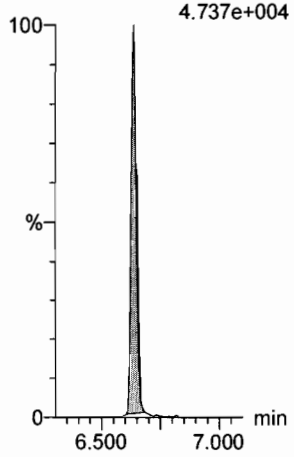


Dataset: U:\Q4.PRO\results\171026M1\171026M1-42.qld

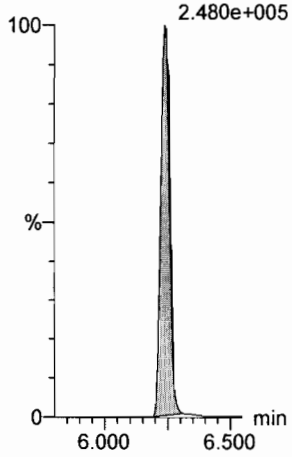
Last Altered: Friday, October 27, 2017 10:51:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:52:07 Pacific Daylight Time

Name: 171026M1_42, Date: 26-Oct-2017, Time: 16:54:21, ID: ST171026M1-11 PFC CS3 17J1806, Description: PFC CS3 17J1806

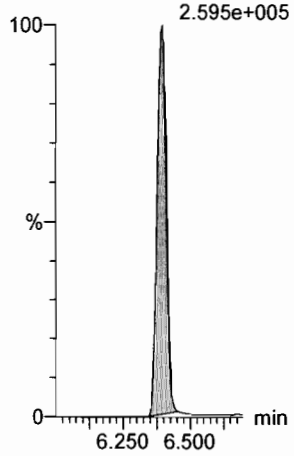
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
4.737e+004



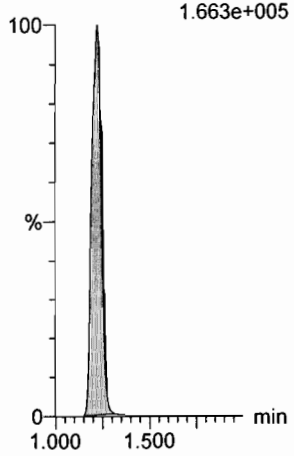
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
2.480e+005



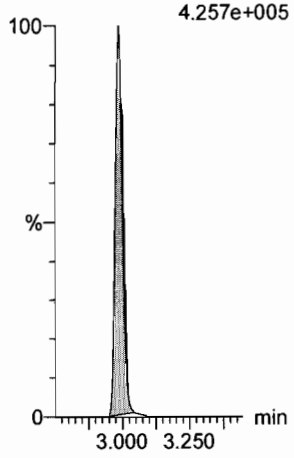
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
2.595e+005



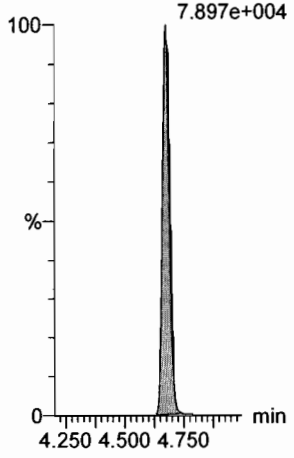
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.663e+005



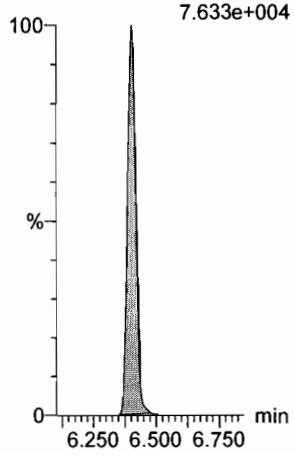
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
4.257e+005



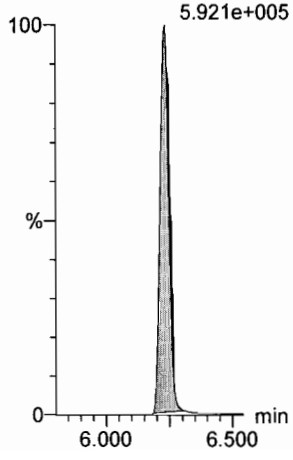
13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
7.897e+004



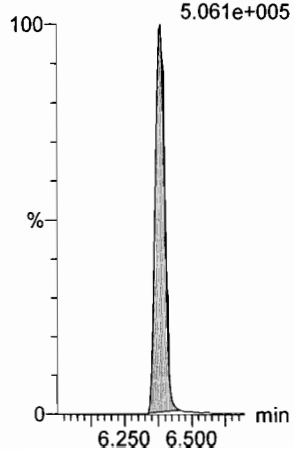
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
7.633e+004



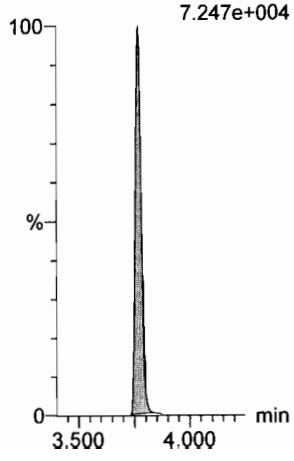
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
5.921e+005



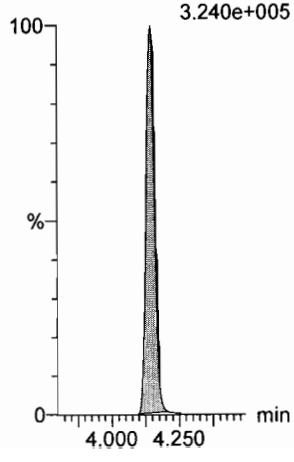
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
5.061e+005



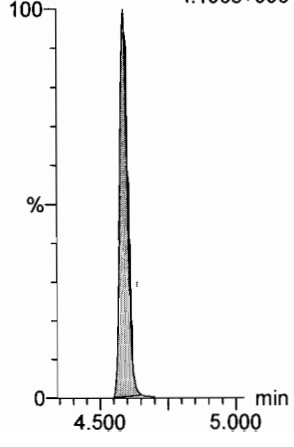
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
7.247e+004



13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
3.240e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
4.105e+005

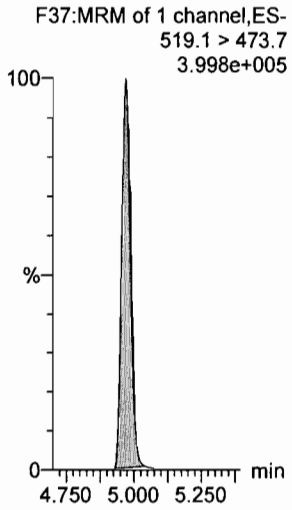


Dataset: U:\Q4.PRO\results\171026M1\171026M1-42.qld

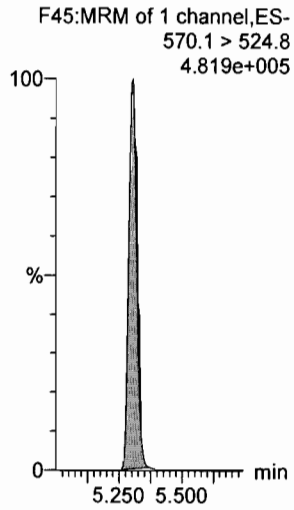
Last Altered: Friday, October 27, 2017 10:51:51 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:52:07 Pacific Daylight Time

Name: 171026M1_42, Date: 26-Oct-2017, Time: 16:54:21, ID: ST171026M1-11 PFC CS3 17J1806, Description: PFC CS3 17J1806

13C6-PFDA



13C7-PFUnA



INITIAL CALIBRATION (ICAL)

INCLUDING ASSOCIATED

INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)

Vista Analytical Laboratory

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:55:15 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

AC 10/29/17

VJA 10/30/2017

Compound name: PFBS
Coefficient of Determination: R^2 = 0.999301
Calibration curve: 0.90814 * x
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.443	2.94	132.322	9355.505	0.406	0.4	1.0	NO	0.999	NO	bb
2	2	171015G2_3	Standard	0.885	2.95	210.559	8808.157	0.686	0.8	-14.6	NO	0.999	NO	bb
3	3	171015G2_4	Standard	1.770	2.95	550.827	9193.999	1.719	1.9	7.0	NO	0.999	NO	bb
4	4	171015G2_5	Standard	4.420	2.95	1244.348	9117.822	3.917	4.3	-2.4	NO	0.999	NO	bb
5	5	171015G2_6	Standard	8.850	2.95	2400.383	9546.549	7.216	7.9	-10.2	NO	0.999	NO	bb
6	6	171015G2_7	Standard	22.100	2.95	6598.105	9099.229	20.811	22.9	3.7	NO	0.999	NO	bb
7	7	171015G2_8	Standard	44.200	2.95	12174.134	8668.153	40.308	44.4	0.4	NO	0.999	NO	bb
8	8	171015G2_9	Standard	66.300	2.95	17222.107	8196.755	60.301	66.4	0.2	NO	0.999	NO	bb
9	9	171015G2_10	Standard	88.400	2.95	20983.623	7509.310	80.198	88.3	-0.1	NO	0.999	NO	bb

Compound name: PFHxA
Coefficient of Determination: R^2 = 0.998620
Calibration curve: 0.202105 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	3.33	126.968	7782.836	0.163	0.8	61.4	NO	0.999	NO	bbX
2	2	171015G2_3	Standard	1.000	3.33	229.215	8111.162	0.283	1.4	39.8	NO	0.999	NO	bbX
3	3	171015G2_4	Standard	2.000	3.33	415.403	7655.132	0.543	2.7	34.2	NO	0.999	NO	bb
4	4	171015G2_5	Standard	5.000	3.33	792.839	7695.018	1.030	5.1	2.0	NO	0.999	NO	bb
5	5	171015G2_6	Standard	10.000	3.33	1677.259	8191.529	2.048	10.1	1.3	NO	0.999	NO	bb
6	6	171015G2_7	Standard	25.000	3.33	4253.114	8793.335	4.837	23.9	-4.3	NO	0.999	NO	bb
7	7	171015G2_8	Standard	50.000	3.33	8025.033	7928.319	10.122	50.1	0.2	NO	0.999	NO	bb
8	8	171015G2_9	Standard	75.000	3.33	11314.540	7480.286	15.126	74.8	-0.2	NO	0.999	NO	bb
9	9	171015G2_10	Standard	100.000	3.33	15926.626	7862.295	20.257	100.2	0.2	NO	0.999	NO	bb

Vista Analytical Laboratory

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:55:15 Pacific Daylight Time

Compound name: PFHpA
Coefficient of Determination: R^2 = 0.997047
Calibration curve: 0.743773 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	3.82	457.635	7782.836	0.588	0.8	58.1	NO	0.997	NO	bbX
2	2	171015G2_3	Standard	1.000	3.82	628.787	8111.162	0.775	1.0	4.2	NO	0.997	NO	bb
3	3	171015G2_4	Standard	2.000	3.83	1268.535	7655.132	1.657	2.2	11.4	NO	0.997	NO	bb
4	4	171015G2_5	Standard	5.000	3.83	3040.322	7695.018	3.951	5.3	6.2	NO	0.997	NO	bb
5	5	171015G2_6	Standard	10.000	3.83	6172.419	8191.529	7.535	10.1	1.3	NO	0.997	NO	bb
6	6	171015G2_7	Standard	25.000	3.83	15554.116	8793.335	17.689	23.8	-4.9	NO	0.997	NO	bb
7	7	171015G2_8	Standard	50.000	3.83	30446.543	7928.319	38.402	51.6	3.3	NO	0.997	NO	bb
8	8	171015G2_9	Standard	75.000	3.83	44081.758	7480.286	58.931	79.2	5.6	NO	0.997	NO	bb
9	9	171015G2_10	Standard	100.000	3.83	55343.813	7862.295	70.391	94.6	-5.4	NO	0.997	NO	bb

Compound name: PFHxS
Coefficient of Determination: R^2 = 0.998000
Calibration curve: 1.02758 * x
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.455	3.94	183.798	9355.505	0.564	0.5	20.6	NO	0.998	NO	MM
2	2	171015G2_3	Standard	0.910	3.94	338.662	8808.157	1.103	1.1	18.0	NO	0.998	NO	MM
3	3	171015G2_4	Standard	1.820	3.95	576.751	9193.999	1.800	1.8	-3.7	NO	0.998	NO	MM
4	4	171015G2_5	Standard	4.560	3.94	1423.021	9117.822	4.479	4.4	-4.4	NO	0.998	NO	MM
5	5	171015G2_6	Standard	9.120	3.95	2779.602	9546.549	8.356	8.1	-10.8	NO	0.998	NO	MM
6	6	171015G2_7	Standard	22.800	3.95	7108.225	9099.229	22.420	21.8	-4.3	NO	0.998	NO	MM
7	7	171015G2_8	Standard	45.600	3.95	13653.516	8668.153	45.206	44.0	-3.5	NO	0.998	NO	MM
8	8	171015G2_9	Standard	68.400	3.95	19931.428	8196.755	69.788	67.9	-0.7	NO	0.998	NO	MM
9	9	171015G2_10	Standard	91.200	3.95	25615.500	7509.310	97.900	95.3	4.5	NO	0.998	NO	MM

Vista Analytical Laboratory

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:55:15 Pacific Daylight Time

Compound name: PFOA
Coefficient of Determination: R^2 = 0.998998
Calibration curve: 0.761496 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	4.22	531.562	7782.836	0.683	0.9	79.4	NO	0.999	NO	bbX
2	2	171015G2_3	Standard	1.000	4.22	616.945	8111.162	0.761	1.0	-0.1	NO	0.999	NO	bb
3	3	171015G2_4	Standard	2.000	4.23	1249.079	7655.132	1.632	2.1	7.1	NO	0.999	NO	bb
4	4	171015G2_5	Standard	5.000	4.23	3130.566	7695.018	4.068	5.3	6.9	NO	0.999	NO	bb
5	5	171015G2_6	Standard	10.000	4.23	5990.677	8191.529	7.313	9.6	-4.0	NO	0.999	NO	bb
6	6	171015G2_7	Standard	25.000	4.23	17022.225	8793.335	19.358	25.4	1.7	NO	0.999	NO	bb
7	7	171015G2_8	Standard	50.000	4.23	31533.688	7928.319	39.773	52.2	4.5	NO	0.999	NO	bb
8	8	171015G2_9	Standard	75.000	4.23	42748.004	7480.286	57.148	75.0	0.1	NO	0.999	NO	bb
9	9	171015G2_10	Standard	100.000	4.23	58203.031	7862.295	74.028	97.2	-2.8	NO	0.999	NO	bb

Compound name: PFNA
Coefficient of Determination: R^2 = 0.994306
Calibration curve: 0.845533 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	4.56	476.190	7782.836	0.612	0.7	44.7	NO	0.994	NO	bbX
2	2	171015G2_3	Standard	1.000	4.56	755.781	8111.162	0.932	1.1	10.2	NO	0.994	NO	bb
3	3	171015G2_4	Standard	2.000	4.56	1470.047	7655.132	1.920	2.3	13.6	NO	0.994	NO	bb
4	4	171015G2_5	Standard	5.000	4.56	3708.816	7695.018	4.820	5.7	14.0	NO	0.994	NO	bb
5	5	171015G2_6	Standard	10.000	4.56	7367.864	8191.529	8.994	10.6	6.4	NO	0.994	NO	bb
6	6	171015G2_7	Standard	25.000	4.56	20153.945	8793.335	22.920	27.1	8.4	NO	0.994	NO	bb
7	7	171015G2_8	Standard	50.000	4.56	34872.336	7928.319	43.985	52.0	4.0	NO	0.994	NO	bb
8	8	171015G2_9	Standard	75.000	4.56	49254.379	7480.286	65.846	77.9	3.8	NO	0.994	NO	bb
9	9	171015G2_10	Standard	100.000	4.56	60686.500	7862.295	77.187	91.3	-8.7	NO	0.994	NO	bb

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:55:15 Pacific Daylight Time

Compound name: PFOS
Coefficient of Determination: R^2 = 0.998647
Calibration curve: 0.00142706 * x^2 + 1.07017 * x
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.464	4.62	205.286	9355.505	0.630	0.6	26.7	NO	0.999	NO	MM
2	2	171015G2_3	Standard	0.924	4.63	217.146	8808.157	0.708	0.7	-28.5	NO	0.999	NO	MM
3	3	171015G2_4	Standard	1.850	4.63	685.348	9193.999	2.139	2.0	7.8	NO	0.999	NO	MM
4	4	171015G2_5	Standard	4.620	4.62	1691.431	9117.822	5.324	4.9	7.0	NO	0.999	NO	MM
5	5	171015G2_6	Standard	9.240	4.63	3204.083	9546.549	9.633	8.9	-3.7	NO	0.999	NO	MM
6	6	171015G2_7	Standard	23.100	4.62	8374.992	9099.229	26.416	23.9	3.6	NO	0.999	NO	MM
7	7	171015G2_8	Standard	46.200	4.63	15927.030	8668.153	52.734	46.4	0.4	NO	0.999	NO	MM
8	8	171015G2_9	Standard	69.300	4.63	22202.211	8196.755	77.739	66.7	-3.7	NO	0.999	NO	MM
9	9	171015G2_10	Standard	92.400	4.63	29615.525	7509.310	113.188	94.0	1.7	NO	0.999	NO	MM

Compound name: PFDA
Coefficient of Determination: R^2 = 0.996855
Calibration curve: -0.000557603 * x^2 + 0.595203 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	4.86	371.097	7782.836	0.477	0.8	60.3	NO	0.997	NO	bbX
2	2	171015G2_3	Standard	1.000	4.86	530.738	8111.162	0.654	1.1	10.0	NO	0.997	NO	bb
3	3	171015G2_4	Standard	2.000	4.86	1102.971	7655.132	1.441	2.4	21.3	NO	0.997	NO	bb
4	4	171015G2_5	Standard	5.000	4.86	2241.050	7695.018	2.912	4.9	-1.7	NO	0.997	NO	bb
5	5	171015G2_6	Standard	10.000	4.86	4963.265	8191.529	6.059	10.3	2.8	NO	0.997	NO	bb
6	6	171015G2_7	Standard	25.000	4.86	11328.722	8793.335	12.883	22.1	-11.6	NO	0.997	NO	bb
7	7	171015G2_8	Standard	50.000	4.86	24000.004	7928.319	30.271	53.5	7.1	NO	0.997	NO	bb
8	8	171015G2_9	Standard	75.000	4.87	30680.213	7480.286	41.015	74.0	-1.3	NO	0.997	NO	bb
9	9	171015G2_10	Standard	100.000	4.86	42260.715	7862.295	53.751	99.6	-0.4	NO	0.997	NO	bb

Vista Analytical Laboratory

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:55:15 Pacific Daylight Time

Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.990399
Calibration curve: 0.00321788 * x^2 + 2.24971 * x
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	4.98	213.792	4584.848	1.865	0.8	65.6	NO	0.990	NO	MMX
2	2	171015G2_3	Standard	1.000	4.99	217.665	4478.443	1.944	0.9	-13.7	NO	0.990	NO	bbX
3	3	171015G2_4	Standard	2.000	4.99	760.185	4794.046	6.343	2.8	40.4	NO	0.990	NO	bb
4	4	171015G2_5	Standard	5.000	4.99	1242.525	5325.714	9.332	4.1	-17.5	NO	0.990	NO	bb
5	5	171015G2_6	Standard	10.000	4.99	2985.051	5296.909	22.542	9.9	-1.2	NO	0.990	NO	bb
6	6	171015G2_7	Standard	25.000	4.99	8449.123	5240.297	64.493	27.6	10.3	NO	0.990	NO	bb
7	7	171015G2_8	Standard	50.000	4.99	13502.334	4954.204	109.017	45.5	-9.0	NO	0.990	NO	bb
8	8	171015G2_9	Standard	75.000	4.99	19961.996	4146.969	192.545	77.1	2.8	NO	0.990	NO	bd
9	9	171015G2_10	Standard	100.000	4.99	25879.682	5091.297	203.325	81.0	-19.0	NO	0.990	NO	bbX

Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.994238
Calibration curve: 1.43155 * x
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	5.11	89.319	4584.848	0.779	0.5	8.9	NO	0.994	NO	bb
2	2	171015G2_3	Standard	1.000	5.12	160.814	4478.443	1.436	1.0	0.3	NO	0.994	NO	MM
3	3	171015G2_4	Standard	2.000	5.11	350.297	4794.046	2.923	2.0	2.1	NO	0.994	NO	bb
4	4	171015G2_5	Standard	5.000	5.12	949.745	5325.714	7.133	5.0	-0.3	NO	0.994	NO	bb
5	5	171015G2_6	Standard	10.000	5.11	2033.745	5296.909	15.358	10.7	7.3	NO	0.994	NO	bb
6	6	171015G2_7	Standard	25.000	5.11	5134.460	5240.297	39.192	27.4	9.5	NO	0.994	NO	bb
7	7	171015G2_8	Standard	50.000	5.11	8740.477	4954.204	70.570	49.3	-1.4	NO	0.994	NO	bb
8	8	171015G2_9	Standard	75.000	5.12	11992.377	4146.969	115.674	80.8	7.7	NO	0.994	NO	bb
9	9	171015G2_10	Standard	100.000	5.11	16712.836	5091.297	131.305	91.7	-8.3	NO	0.994	NO	bb

Vista Analytical Laboratory

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:55:15 Pacific Daylight Time

Compound name: PFUnA
Coefficient of Determination: R^2 = 0.992289
Calibration curve: 0.513064 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	5.11	302.150	7782.836	0.388	0.8	51.3	NO	0.992	NO	bbX
2	2	171015G2_3	Standard	1.000	5.11	411.810	8111.162	0.508	1.0	-1.0	NO	0.992	NO	bb
3	3	171015G2_4	Standard	2.000	5.12	797.388	7655.132	1.042	2.0	1.5	NO	0.992	NO	bb
4	4	171015G2_5	Standard	5.000	5.11	2318.182	7695.018	3.013	5.9	17.4	NO	0.992	NO	bb
5	5	171015G2_6	Standard	10.000	5.12	4127.505	8191.529	5.039	9.8	-1.8	NO	0.992	NO	bb
6	6	171015G2_7	Standard	25.000	5.12	11761.579	8793.335	13.376	26.1	4.3	NO	0.992	NO	bb
7	7	171015G2_8	Standard	50.000	5.12	21884.004	7928.319	27.602	53.8	7.6	NO	0.992	NO	bb
8	8	171015G2_9	Standard	75.000	5.12	30541.967	7480.286	40.830	79.6	6.1	NO	0.992	NO	bb
9	9	171015G2_10	Standard	100.000	5.12	36239.461	7862.295	46.093	89.8	-10.2	NO	0.992	NO	bb

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.992900
Calibration curve: -0.000216899 * x^2 + 0.117035 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	5.33	54.942	7782.836	0.071	0.6	20.8	NO	0.993	NO	MM
2	2	171015G2_3	Standard	1.000	5.33	84.983	8111.162	0.105	0.9	-10.3	NO	0.993	NO	bb
3	3	171015G2_4	Standard	2.000	5.33	180.927	7655.132	0.236	2.0	1.4	NO	0.993	NO	bb
4	4	171015G2_5	Standard	5.000	5.33	425.645	7695.018	0.553	4.8	-4.6	NO	0.993	NO	bb
5	5	171015G2_6	Standard	10.000	5.34	937.738	8191.529	1.145	10.0	-0.3	NO	0.993	NO	bb
6	6	171015G2_7	Standard	25.000	5.34	2293.501	8793.335	2.608	23.3	-6.8	NO	0.993	NO	bb
7	7	171015G2_8	Standard	50.000	5.34	4087.208	7928.319	5.155	48.4	-3.2	NO	0.993	NO	bb
8	8	171015G2_9	Standard	75.000	5.34	6369.318	7480.286	8.515	86.7	15.6	NO	0.993	NO	bb
9	9	171015G2_10	Standard	100.000	5.34	7029.723	7862.295	8.941	92.1	-7.9	NO	0.993	NO	bb

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:55:15 Pacific Daylight Time

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.997219
Calibration curve: -0.00107804 * x^2 + 0.963206 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	5.52	521.940	7782.836	0.671	0.7	39.4	NO	0.997	NO	bbX
2	2	171015G2_3	Standard	1.000	5.52	723.703	8111.162	0.892	0.9	-7.3	NO	0.997	NO	bb
3	3	171015G2_4	Standard	2.000	5.53	1590.502	7655.132	2.078	2.2	8.1	NO	0.997	NO	bb
4	4	171015G2_5	Standard	5.000	5.53	3913.542	7695.018	5.086	5.3	6.2	NO	0.997	NO	bb
5	5	171015G2_6	Standard	10.000	5.53	7398.674	8191.529	9.032	9.5	-5.2	NO	0.997	NO	bb
6	6	171015G2_7	Standard	25.000	5.53	19055.078	8793.335	21.670	23.1	-7.6	NO	0.997	NO	bb
7	7	171015G2_8	Standard	50.000	5.53	36589.137	7928.319	46.150	50.8	1.6	NO	0.997	NO	bb
8	8	171015G2_9	Standard	75.000	5.53	52606.852	7480.286	70.327	80.2	7.0	NO	0.997	NO	bb
9	9	171015G2_10	Standard	100.000	5.53	64903.813	7862.295	82.551	96.0	-4.0	NO	0.997	NO	bb

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.998205
Calibration curve: 0.86847 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	0.500	5.69	436.174	7782.836	0.560	0.6	29.1	NO	0.998	NO	MM
2	2	171015G2_3	Standard	1.000	5.69	824.274	8111.162	1.016	1.2	17.0	NO	0.998	NO	MM
3	3	171015G2_4	Standard	2.000	5.69	1552.604	7655.132	2.028	2.3	16.8	NO	0.998	NO	MM
4	4	171015G2_5	Standard	5.000	5.70	3336.738	7695.018	4.336	5.0	-0.1	NO	0.998	NO	MM
5	5	171015G2_6	Standard	10.000	5.69	7754.117	8191.529	9.466	10.9	9.0	NO	0.998	NO	MM
6	6	171015G2_7	Standard	25.000	5.70	19331.936	8793.335	21.985	25.3	1.3	NO	0.998	NO	MM
7	7	171015G2_8	Standard	50.000	5.70	34044.605	7928.319	42.941	49.4	-1.1	NO	0.998	NO	MM
8	8	171015G2_9	Standard	75.000	5.70	50314.293	7480.286	67.263	77.4	3.3	NO	0.998	NO	MM
9	9	171015G2_10	Standard	100.000	5.70	65720.477	7862.295	83.589	96.2	-3.8	NO	0.998	NO	MM

Vista Analytical Laboratory

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:55:15 Pacific Daylight Time

Compound name: 13C2-PFHxA
Response Factor: 0.42172
RRF SD: 0.0225588, Relative SD: 5.34923
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	10.000	3.33	3491.611	7782.836	4.486	10.6	6.4	NO		NO	bb
2	2	171015G2_3	Standard	10.000	3.33	3270.905	8111.162	4.033	9.6	-4.4	NO		NO	bb
3	3	171015G2_4	Standard	10.000	3.33	3583.106	7655.132	4.681	11.1	11.0	NO		NO	bb
4	4	171015G2_5	Standard	10.000	3.33	3275.408	7695.018	4.257	10.1	0.9	NO		NO	bb
5	5	171015G2_6	Standard	10.000	3.33	3395.545	8191.529	4.145	9.8	-1.7	NO		NO	bb
6	6	171015G2_7	Standard	10.000	3.33	3539.625	8793.335	4.025	9.5	-4.5	NO		NO	bb
7	7	171015G2_8	Standard	10.000	3.33	3309.311	7928.319	4.174	9.9	-1.0	NO		NO	bb
8	8	171015G2_9	Standard	10.000	3.33	3031.802	7480.286	4.053	9.6	-3.9	NO		NO	bb
9	9	171015G2_10	Standard	10.000	3.33	3224.375	7862.295	4.101	9.7	-2.8	NO		NO	bb

Compound name: 13C2-PFDA
Response Factor: 0.490967
RRF SD: 0.0258759, Relative SD: 5.27039
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	10.000	4.86	3723.340	7782.836	4.784	9.7	-2.6	NO		NO	bb
2	2	171015G2_3	Standard	10.000	4.86	4066.177	8111.162	5.013	10.2	2.1	NO		NO	bb
3	3	171015G2_4	Standard	10.000	4.86	3712.216	7655.132	4.849	9.9	-1.2	NO		NO	bb
4	4	171015G2_5	Standard	10.000	4.86	3744.290	7695.018	4.866	9.9	-0.9	NO		NO	bb
5	5	171015G2_6	Standard	10.000	4.86	4195.453	8191.529	5.122	10.4	4.3	NO		NO	bb
6	6	171015G2_7	Standard	10.000	4.86	3826.897	8793.335	4.352	8.9	-11.4	NO		NO	bb
7	7	171015G2_8	Standard	10.000	4.86	4192.108	7928.319	5.288	10.8	7.7	NO		NO	bd
8	8	171015G2_9	Standard	10.000	4.86	3719.783	7480.286	4.973	10.1	1.3	NO		NO	bb
9	9	171015G2_10	Standard	10.000	4.86	3884.529	7862.295	4.941	10.1	0.6	NO		NO	bb

Vista Analytical Laboratory

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:55:15 Pacific Daylight Time

Compound name: d5-N-EtFOSAA
Response Factor: 1.11037
RRF SD: 0.107402, Relative SD: 9.67258
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	40.000	5.11	5648.799	4584.848	49.282	44.4	11.0	NO		NO	bb
2	2	171015G2_3	Standard	40.000	5.11	4454.045	4478.443	39.782	35.8	-10.4	NO		NO	bd
3	3	171015G2_4	Standard	40.000	5.11	5865.354	4794.046	48.939	44.1	10.2	NO		NO	bb
4	4	171015G2_5	Standard	40.000	5.11	6479.107	5325.714	48.663	43.8	9.6	NO		NO	bb
5	5	171015G2_6	Standard	40.000	5.11	5129.388	5296.909	38.735	34.9	-12.8	NO		NO	bb
6	6	171015G2_7	Standard	40.000	5.11	5725.529	5240.297	43.704	39.4	-1.6	NO		NO	bb
7	7	171015G2_8	Standard	40.000	5.11	5438.078	4954.204	43.907	39.5	-1.1	NO		NO	bb
8	8	171015G2_9	Standard	40.000	5.11	4888.501	4146.969	47.153	42.5	6.2	NO		NO	bb
9	9	171015G2_10	Standard	40.000	5.11	5036.661	5091.297	39.571	35.6	-10.9	NO		NO	bb

Compound name: 13C2-PFOA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171015G2_2	Standard	10.000	4.22	7782.836	7782.836	10.000	10.0	0.0	NO		NO	bb
2	2	171015G2_3	Standard	10.000	4.22	8111.162	8111.162	10.000	10.0	0.0	NO		NO	bb
3	3	171015G2_4	Standard	10.000	4.23	7655.132	7655.132	10.000	10.0	0.0	NO		NO	bb
4	4	171015G2_5	Standard	10.000	4.23	7695.018	7695.018	10.000	10.0	0.0	NO		NO	bb
5	5	171015G2_6	Standard	10.000	4.23	8191.529	8191.529	10.000	10.0	0.0	NO		NO	bb
6	6	171015G2_7	Standard	10.000	4.23	8793.335	8793.335	10.000	10.0	0.0	NO		NO	bb
7	7	171015G2_8	Standard	10.000	4.23	7928.319	7928.319	10.000	10.0	0.0	NO		NO	bb
8	8	171015G2_9	Standard	10.000	4.23	7480.286	7480.286	10.000	10.0	0.0	NO		NO	bb
9	9	171015G2_10	Standard	10.000	4.23	7862.295	7862.295	10.000	10.0	0.0	NO		NO	bb

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:55:15 Pacific Daylight Time

Compound name: 13C4-PFOS
Response Factor: 1
RRF SD: 5.93439e-017, Relative SD: 5.93439e-015
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171015G2_2	Standard	28.700	4.62	9355.505	9355.505	28.700	28.7	0.0	NO		NO	bb
2	2 171015G2_3	Standard	28.700	4.62	8808.157	8808.157	28.700	28.7	0.0	NO		NO	bb
3	3 171015G2_4	Standard	28.700	4.62	9193.999	9193.999	28.700	28.7	0.0	NO		NO	bb
4	4 171015G2_5	Standard	28.700	4.63	9117.822	9117.822	28.700	28.7	0.0	NO		NO	bb
5	5 171015G2_6	Standard	28.700	4.63	9546.549	9546.549	28.700	28.7	0.0	NO		NO	bb
6	6 171015G2_7	Standard	28.700	4.63	9099.229	9099.229	28.700	28.7	0.0	NO		NO	bb
7	7 171015G2_8	Standard	28.700	4.63	8668.153	8668.153	28.700	28.7	0.0	NO		NO	bb
8	8 171015G2_9	Standard	28.700	4.63	8196.755	8196.755	28.700	28.7	0.0	NO		NO	bb
9	9 171015G2_10	Standard	28.700	4.63	7509.310	7509.310	28.700	28.7	0.0	NO		NO	bbX

Compound name: d3-N-MeFOSAA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171015G2_2	Standard	40.000	4.98	4584.848	4584.848	40.000	40.0	0.0	NO		NO	bb
2	2 171015G2_3	Standard	40.000	4.98	4478.443	4478.443	40.000	40.0	0.0	NO		NO	bb
3	3 171015G2_4	Standard	40.000	4.99	4794.046	4794.046	40.000	40.0	0.0	NO		NO	bb
4	4 171015G2_5	Standard	40.000	4.99	5325.714	5325.714	40.000	40.0	0.0	NO		NO	bd
5	5 171015G2_6	Standard	40.000	4.98	5296.909	5296.909	40.000	40.0	0.0	NO		NO	bb
6	6 171015G2_7	Standard	40.000	4.99	5240.297	5240.297	40.000	40.0	0.0	NO		NO	bb
7	7 171015G2_8	Standard	40.000	4.99	4954.204	4954.204	40.000	40.0	0.0	NO		NO	bb
8	8 171015G2_9	Standard	40.000	4.99	4146.969	4146.969	40.000	40.0	0.0	NO		NO	bdX
9	9 171015G2_10	Standard	40.000	4.99	5091.297	5091.297	40.000	40.0	0.0	NO		NO	bbX

Quantify Compound Summary Report

Printed Sun Oct 29 13:58:25 2017

Compound 18: 13C2-PFOA

	#	Name	Type	Std. Con	RT	Area	IS Area	Respons	Primary	Conc.	%Dev	Acq.Date	Acq.Time	Cal.Date	%Rec	RRF	Divisor1	
1	1	171015G2_2	Standard	10	4.22	7782.8	7782.8	10	bb	10	0	15-Oct-17	18:49:15	29-Oct-17	100	1	1	
2	2	171015G2_3	Standard	10	4.22	8111.2	8111.2	10	bb	10	0	15-Oct-17	19:01:38	29-Oct-17	100	1	1	
3	3	171015G2_4	Standard	10	4.23	7655.1	7655.1	10	bb	10	0	15-Oct-17	19:14:01	29-Oct-17	100	1	1	
4	4	171015G2_5	Standard	10	4.23	7695	7695	10	bb	10	0	15-Oct-17	19:26:25	29-Oct-17	100	1	1	
5	5	171015G2_6	Standard	10	4.23	8191.5	8191.5	10	bb	10	0	15-Oct-17	19:38:48	29-Oct-17	100	1	1	
6	6	171015G2_7	Standard	10	4.23	8793.3	8793.3	10	bb	10	0	15-Oct-17	19:51:14	29-Oct-17	100	1	1	
7	7	171015G2_8	Standard	10	4.23	7928.3	7928.3	10	bb	10	0	15-Oct-17	20:03:38	29-Oct-17	100	1	1	
8	8	171015G2_9	Standard	10	4.23	7480.3	7480.3	10	bb	10	0	15-Oct-17	20:16:12	29-Oct-17	100	1	1	
9	9	171015G2_10	Standard	10	4.23	7862.3	7862.3	10	bb	10	0	15-Oct-17	20:28:41	29-Oct-17	100	1	1	

Compound 18: 13C2-PFOA

RPD

HIGH ARE	8793
LOW AREA	7480
RPD %	16.1

INSTRUCTIONS: IN TARGETLYNX, VERIFY YOU ARE USING THE LIST14 DW LAYOUT. RIGHT CLICK ON THE SUMMARY BOX AND SELECT "LIST BY COMPOUND". SELECT 13C2-PFOA, 13C4-PFOS OR D3-NMEFOSAA. CLICK ON EDIT. SELECT COPY CURRENT SUMMARY. PASTE IN CELL A1.

Quantify Compound Summary Report

Printed Sun Oct 29 13:59:27 2017

Compound 19: 13C4-PFOS

	#	Name	Type	Std. Con	RT	Area	IS Area	Respons	Primary	Conc.	%Dev	Acq.Date	Acq.Time	Cal.Date	%Rec	RRF	Divisor1	
1	1	171015G2_2	Standard	28.7	4.62	9355.5	9355.5	28.7	bb	28.7	0	15-Oct-17	18:49:15	29-Oct-17	100	1	1	
2	2	171015G2_3	Standard	28.7	4.62	8808.2	8808.2	28.7	bb	28.7	0	15-Oct-17	19:01:38	29-Oct-17	100	1	1	
3	3	171015G2_4	Standard	28.7	4.62	9194	9194	28.7	bb	28.7	0	15-Oct-17	19:14:01	29-Oct-17	100	1	1	
4	4	171015G2_5	Standard	28.7	4.63	9117.8	9117.8	28.7	bb	28.7	0	15-Oct-17	19:26:25	29-Oct-17	100	1	1	
5	5	171015G2_6	Standard	28.7	4.63	9546.5	9546.5	28.7	bb	28.7	0	15-Oct-17	19:38:48	29-Oct-17	100	1	1	
6	6	171015G2_7	Standard	28.7	4.63	9099.2	9099.2	28.7	bb	28.7	0	15-Oct-17	19:51:14	29-Oct-17	100	1	1	
7	7	171015G2_8	Standard	28.7	4.63	8668.2	8668.2	28.7	bb	28.7	0	15-Oct-17	20:03:38	29-Oct-17	100	1	1	
8	8	171015G2_9	Standard	28.7	4.63	8196.8	8196.8	28.7	bb	28.7	0	15-Oct-17	20:16:12	29-Oct-17	100	1	1	

Compound 19: 13C4-PFOS

RPD	HIGH ARE	9547
	LOW AREA	8197
	RPD %	15.2

INSTRUCTIONS: IN TARGETLYNX, VERIFY YOU ARE USING THE LIST14 DW LAYOUT. RIGHT CLICK ON THE SUMMARY BOX AND SELECT "LIST BY COMPOUND". SELECT 13C2-PFOA, 13C4-PFOS OR D3-NMEFOSAA. CLICK ON EDIT. SELECT COPY CURRENT SUMMARY. PASTE IN CELL A1.

Quantify Compound Summary Report

Printed Sun Oct 29 14:00:23 2017

Compound 20: d3-N-MeFOSAA

	#	Name	Type	Std. Con	RT	Area	IS Area	Respons	Primary	Conc.	%Dev	Acq.Date	Acq.Time	Cal.Date	%Rec	RRF	Divisor1	
1	1	171015G2_2	Standard	40	4.98	4584.8	4584.8	40	bb	40	0	15-Oct-17	18:49:15	29-Oct-17	100	1	1	
2	2	171015G2_3	Standard	40	4.98	4478.4	4478.4	40	bb	40	0	15-Oct-17	19:01:38	29-Oct-17	100	1	1	
3	3	171015G2_4	Standard	40	4.99	4794	4794	40	bb	40	0	15-Oct-17	19:14:01	29-Oct-17	100	1	1	
4	4	171015G2_5	Standard	40	4.99	5325.7	5325.7	40	bd	40	0	15-Oct-17	19:26:25	29-Oct-17	100	1	1	
5	5	171015G2_6	Standard	40	4.98	5296.9	5296.9	40	bb	40	0	15-Oct-17	19:38:48	29-Oct-17	100	1	1	
6	6	171015G2_7	Standard	40	4.99	5240.3	5240.3	40	bb	40	0	15-Oct-17	19:51:14	29-Oct-17	100	1	1	
7	7	171015G2_8	Standard	40	4.99	4954.2	4954.2	40	bb	40	0	15-Oct-17	20:03:38	29-Oct-17	100	1	1	

Compound 20: d3-N-MeFOSAA

RPD		
	HIGH ARE	5326
	LOW AREA	4478
	RPD %	17.3

INSTRUCTIONS: IN TARGETLYNX, VERIFY YOU ARE USING THE LIST14 DW LAYOUT. RIGHT CLICK ON THE SUMMARY BOX AND SELECT "LIST BY COMPOUND". SELECT 13C2-PFOA, 13C4-PFOS OR D3-NMEFOSAA. CLICK ON EDIT. SELECT COPY CURRENT SUMMARY. PASTE IN CELL A1.

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Sunday, October 29, 2017 14:05:16 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:06:35 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Compound name: PFBS

	Name	ID	Acq.Date	Acq.Time
1	171015G2_1	IPA	15-Oct-17	18:36:44
2	171015G2_2	ST171015G2-1 PFC CS-3 537 17J1308	15-Oct-17	18:49:15
3	171015G2_3	ST171015G2-2 PFC CS-2 537 17J1310	15-Oct-17	19:01:38
4	171015G2_4	ST171015G2-3 PFC CS-1 537 17J1311	15-Oct-17	19:14:01
5	171015G2_5	ST171015G2-4 PFC CS0 537 17J1312	15-Oct-17	19:26:25
6	171015G2_6	ST171015G2-5 PFC CS1 537 17J1313	15-Oct-17	19:38:48
7	171015G2_7	ST171015G2-6 PFC CS2 537 17J1314	15-Oct-17	19:51:14
8	171015G2_8	ST171015G2-7 PFC CS3 537 17J1315	15-Oct-17	20:03:38
9	171015G2_9	ST171015G2-8 PFC CS4 537 17J1316	15-Oct-17	20:16:12
10	171015G2_10	ST171015G2-9 PFC CS5 537 17J1317	15-Oct-17	20:28:41
11	171015G2_11	IPA	15-Oct-17	20:41:03
12	171015G2_12	ICV171015G2-1 PFC ICV 537 17J1307	15-Oct-17	20:53:29
13	171015G2_13	IPA	15-Oct-17	21:05:51

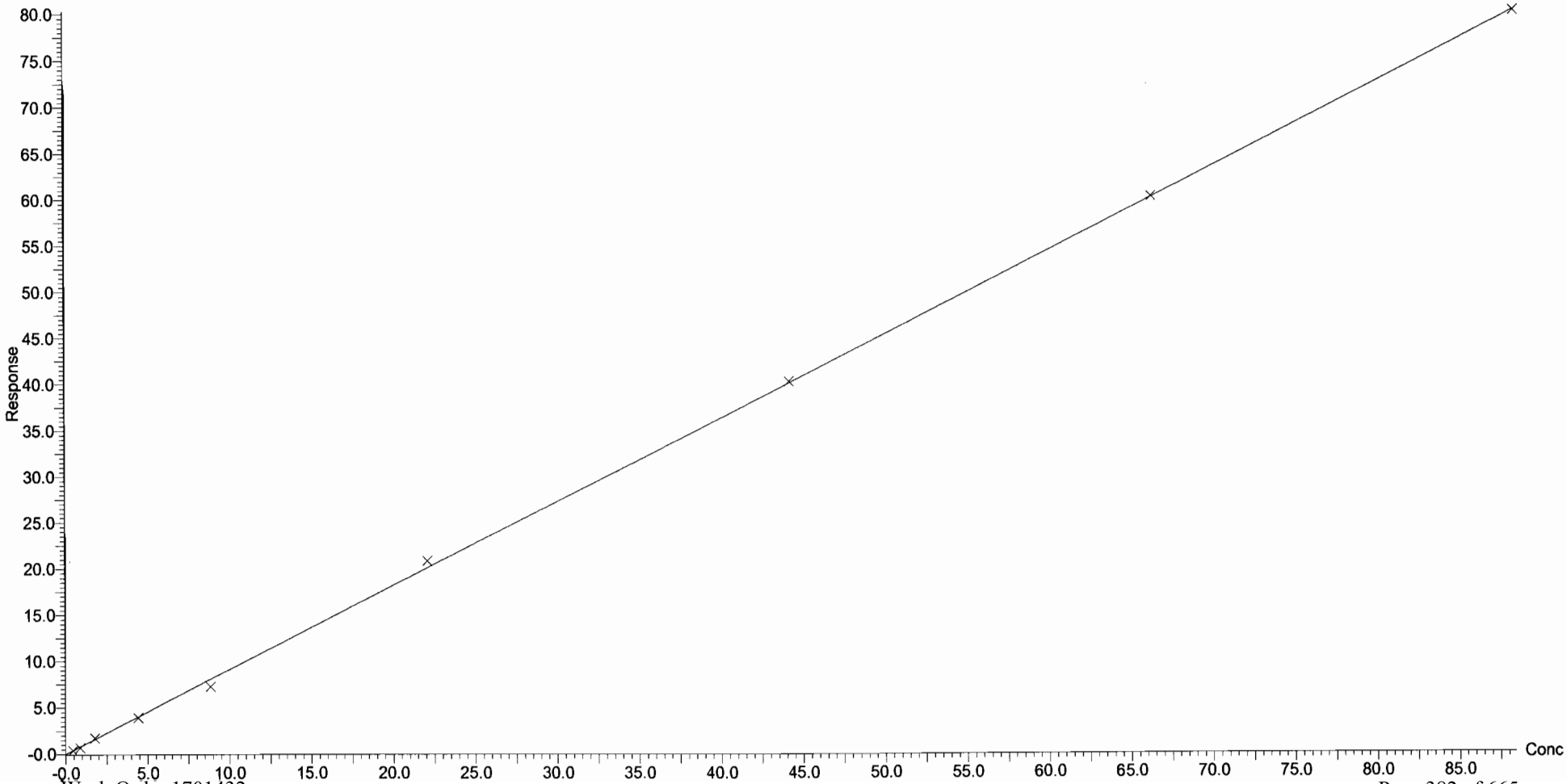
Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Compound name: PFBS
Coefficient of Determination: R^2 = 0.999301
Calibration curve: 0.90814 * x
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

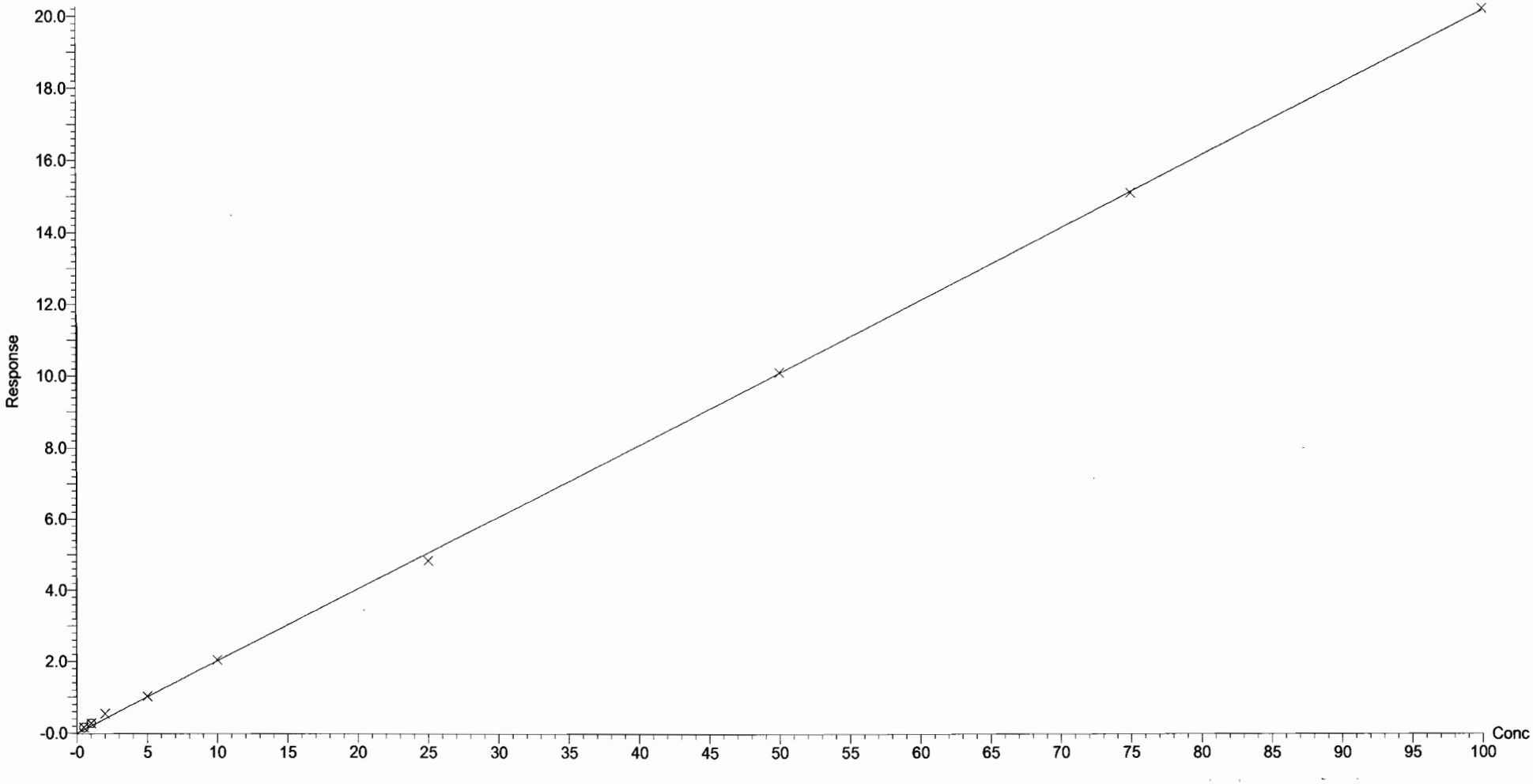


Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

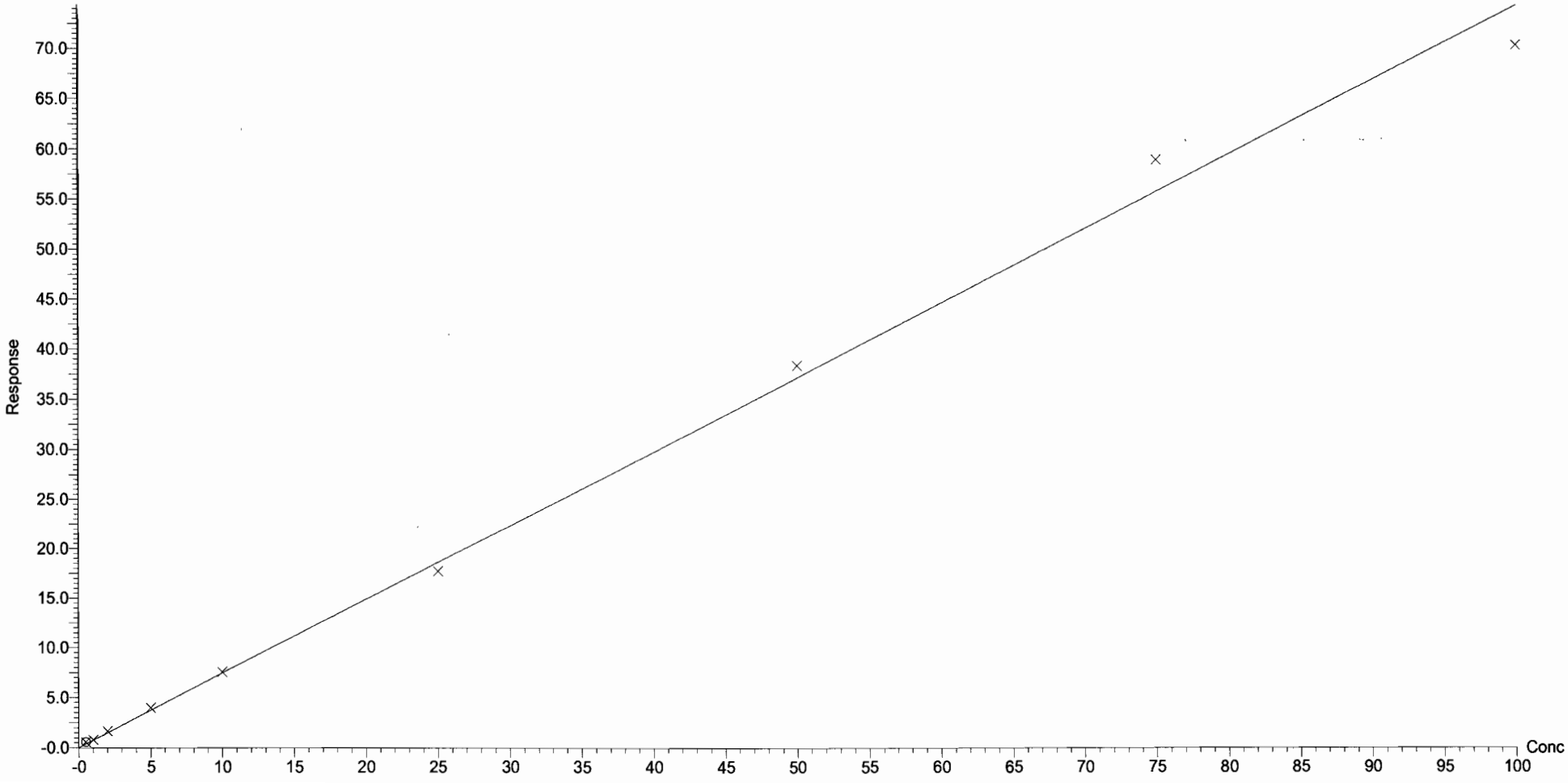
Compound name: PFHxA
Coefficient of Determination: R^2 = 0.998620
Calibration curve: 0.202105 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

Compound name: PFHpA
Coefficient of Determination: R^2 = 0.997047
Calibration curve: 0.743773 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None

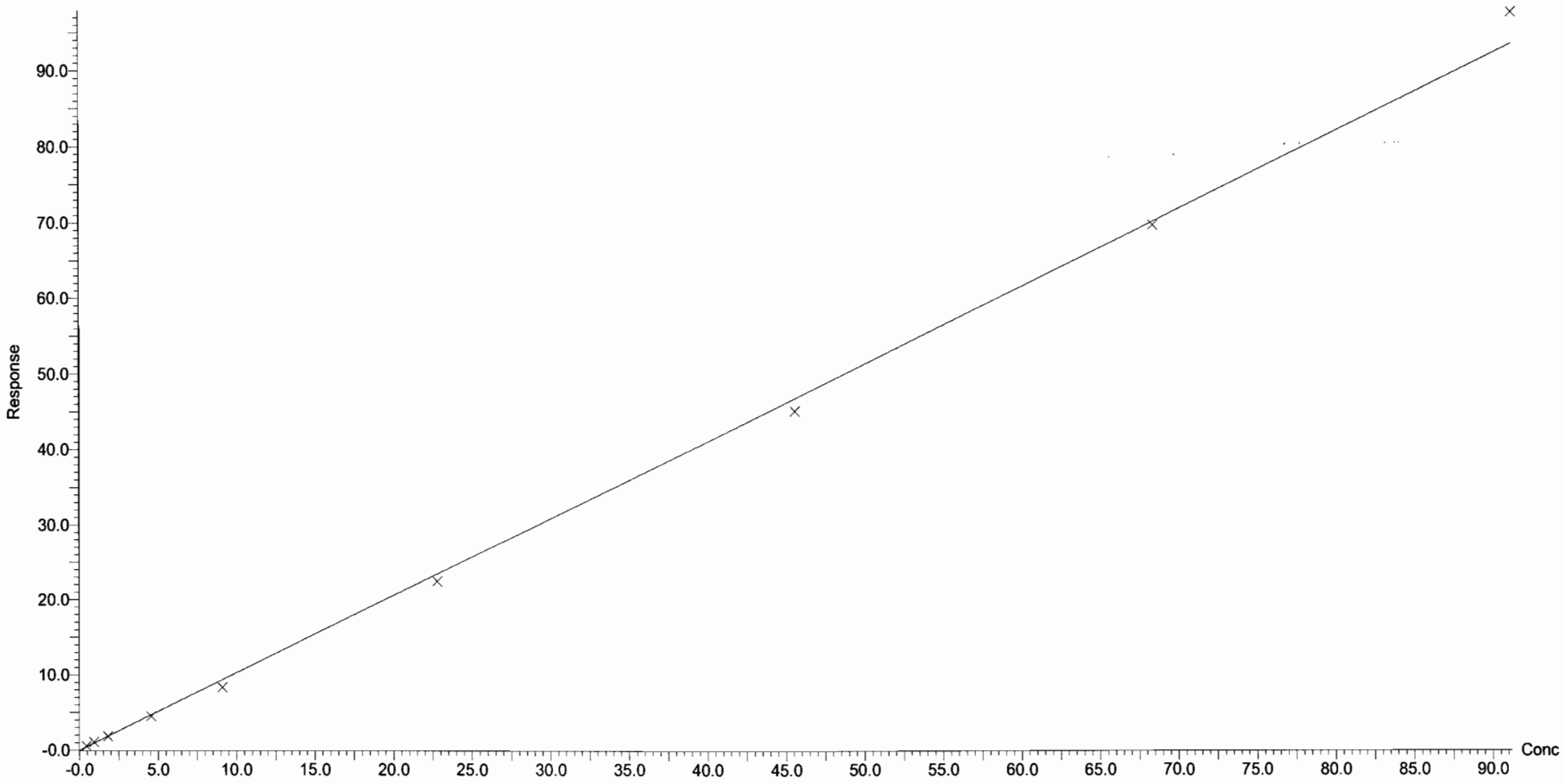


Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

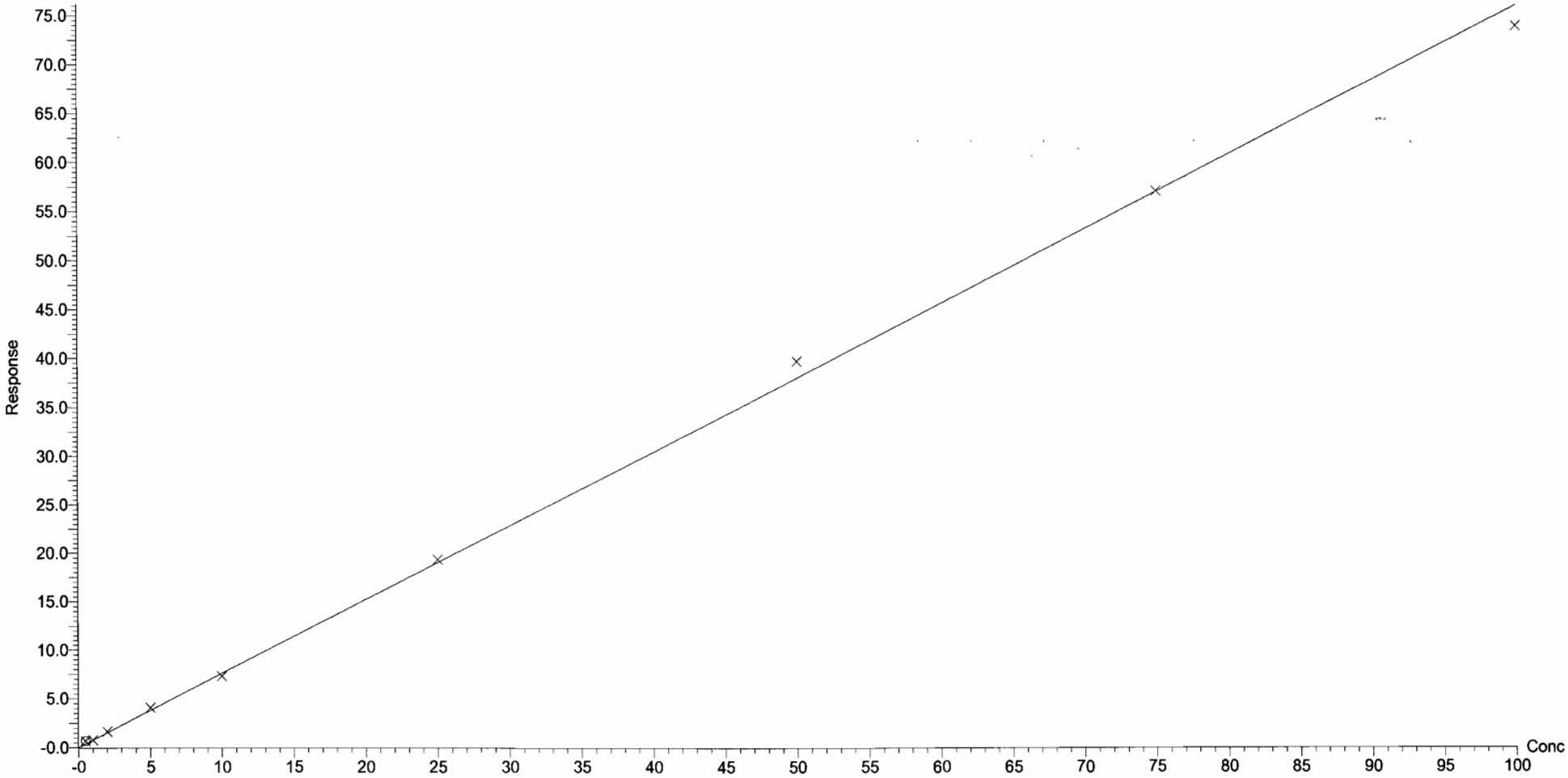
Compound name: PFHxS
Coefficient of Determination: R^2 = 0.998000
Calibration curve: 1.02758 * x
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

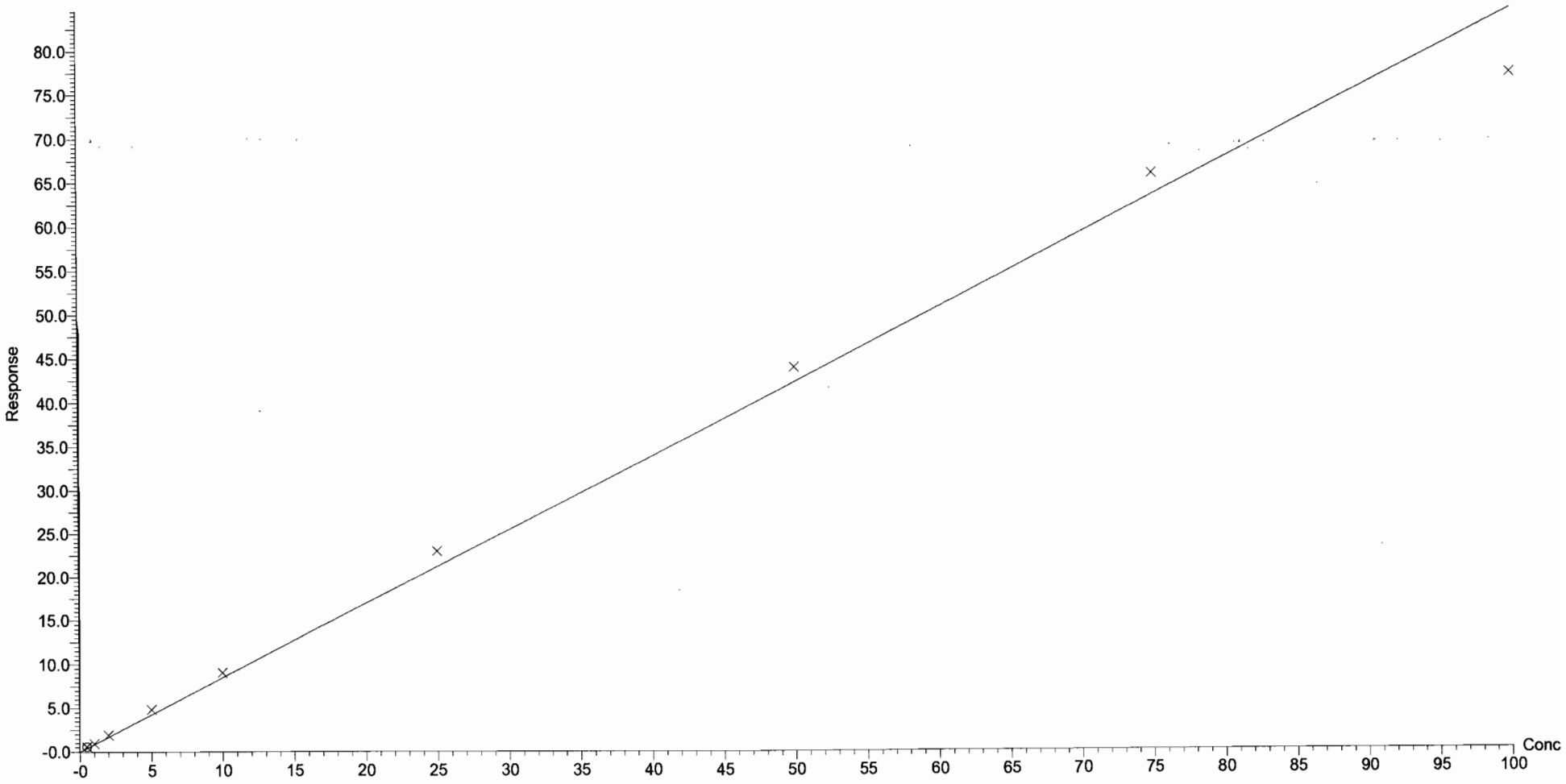
Compound name: PFOA
Coefficient of Determination: R^2 = 0.998998
Calibration curve: 0.761496 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

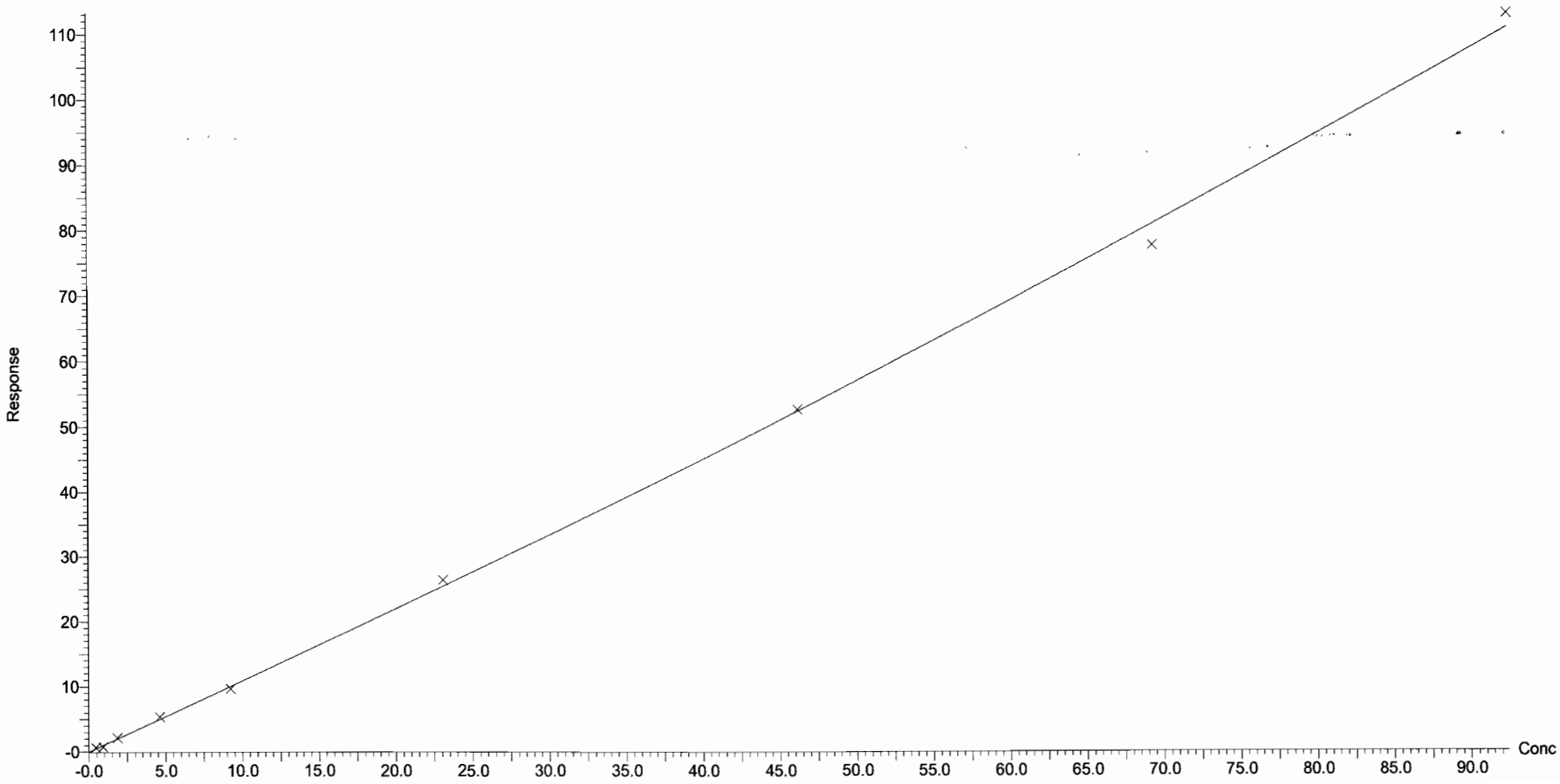
Compound name: PFNA
Coefficient of Determination: R^2 = 0.994306
Calibration curve: 0.845533 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

Compound name: PFOS
Coefficient of Determination: R^2 = 0.998647
Calibration curve: 0.00142706 * x^2 + 1.07017 * x
Response type: Internal Std (Ref 19), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None

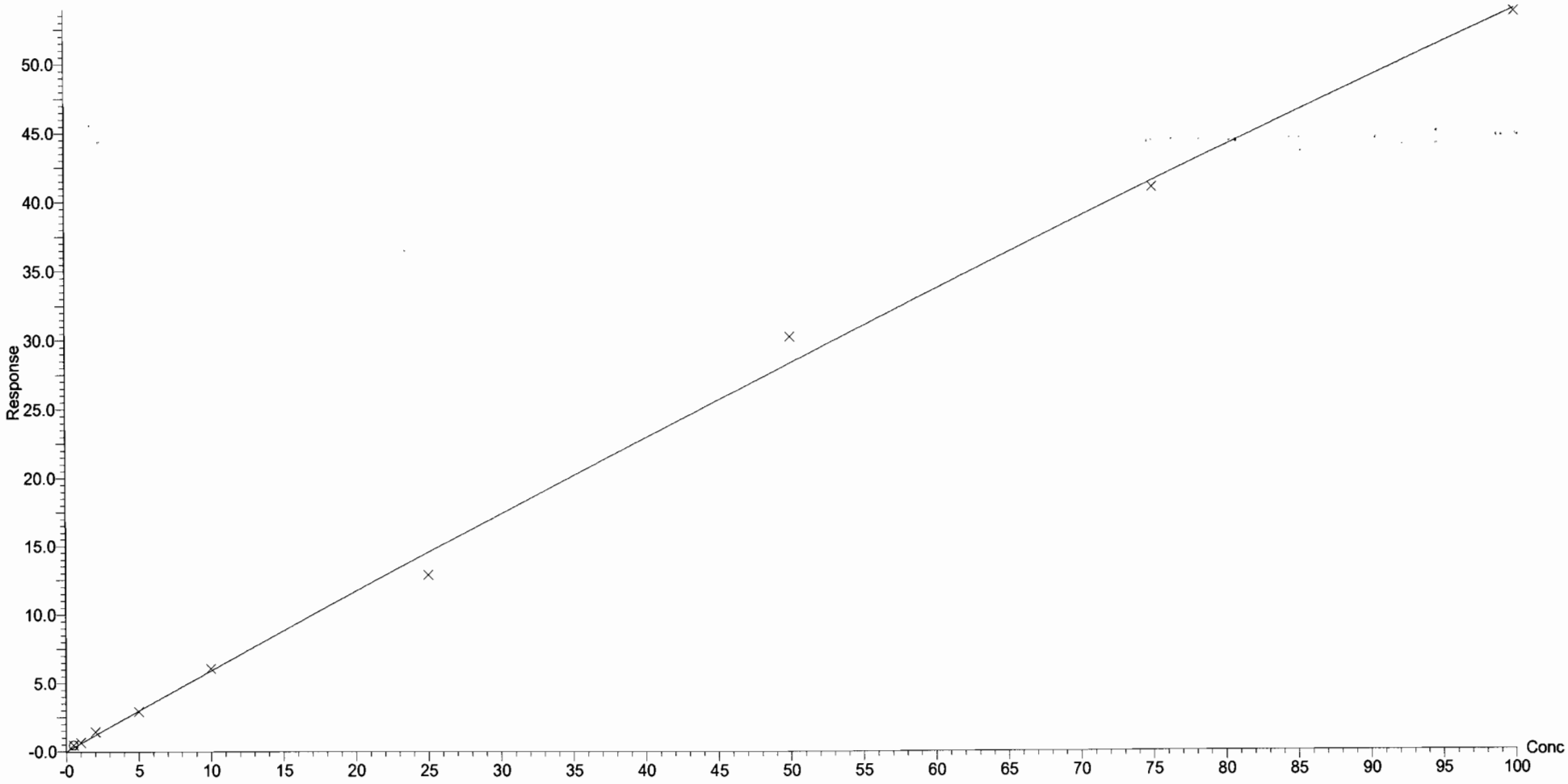


Vista Analytical Laboratory Q1

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

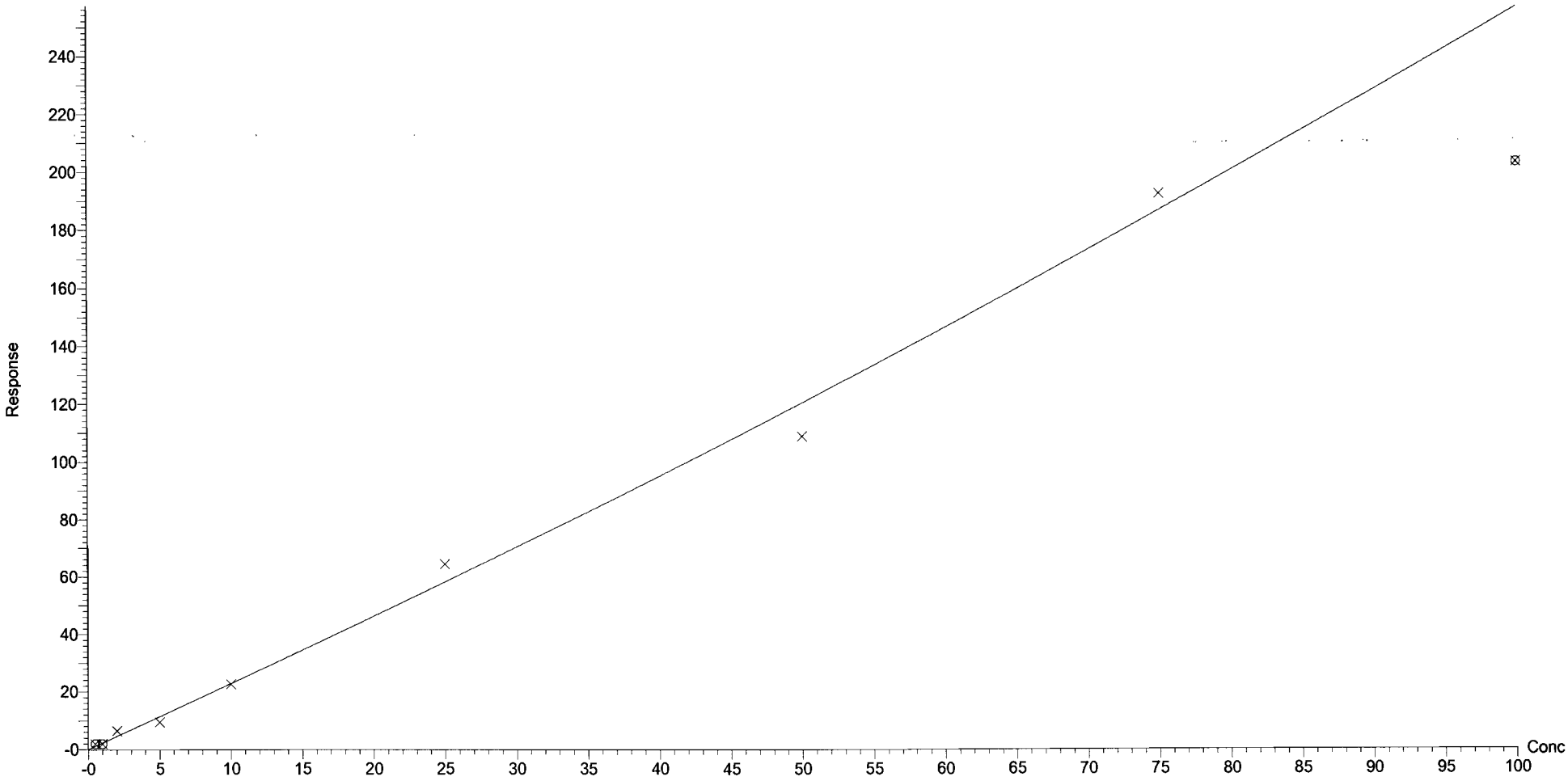
Compound name: PFDA
Coefficient of Determination: R^2 = 0.996855
Calibration curve: -0.000557603 * x^2 + 0.595203 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

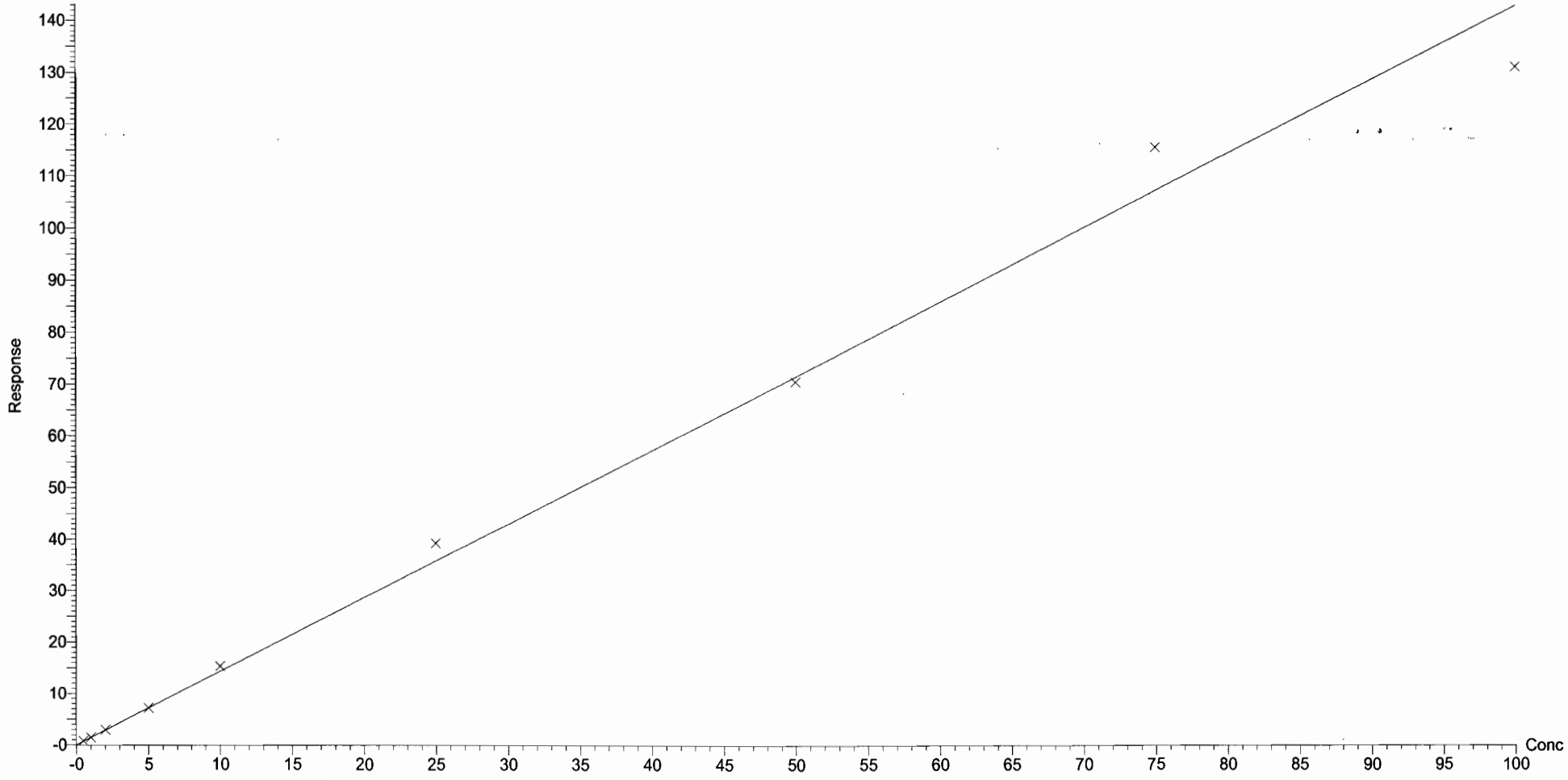
Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.990399
Calibration curve: 0.00321788 * x^2 + 2.24971 * x
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

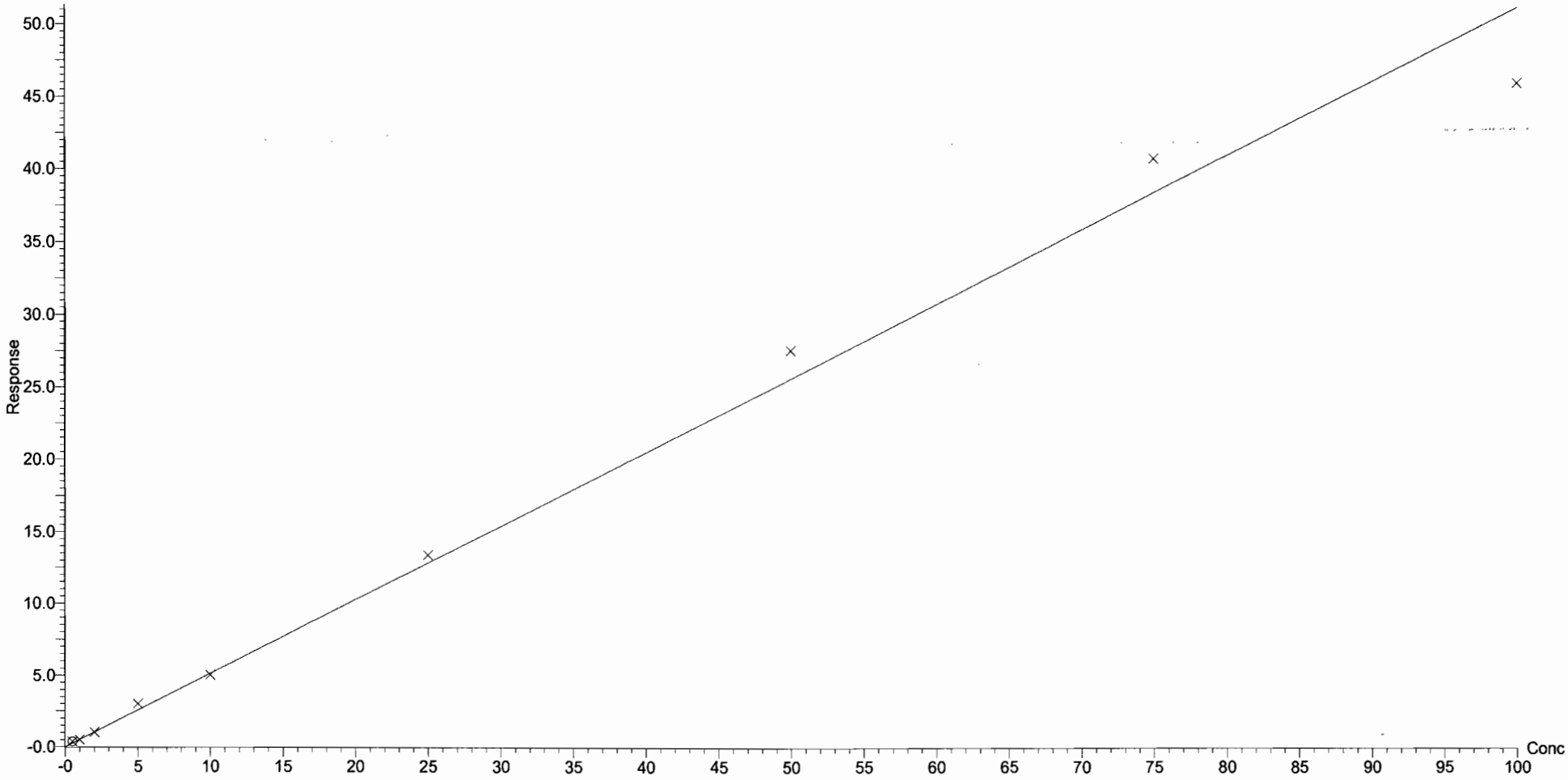
Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.994238
Calibration curve: 1.43155 * x
Response type: Internal Std (Ref 20), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

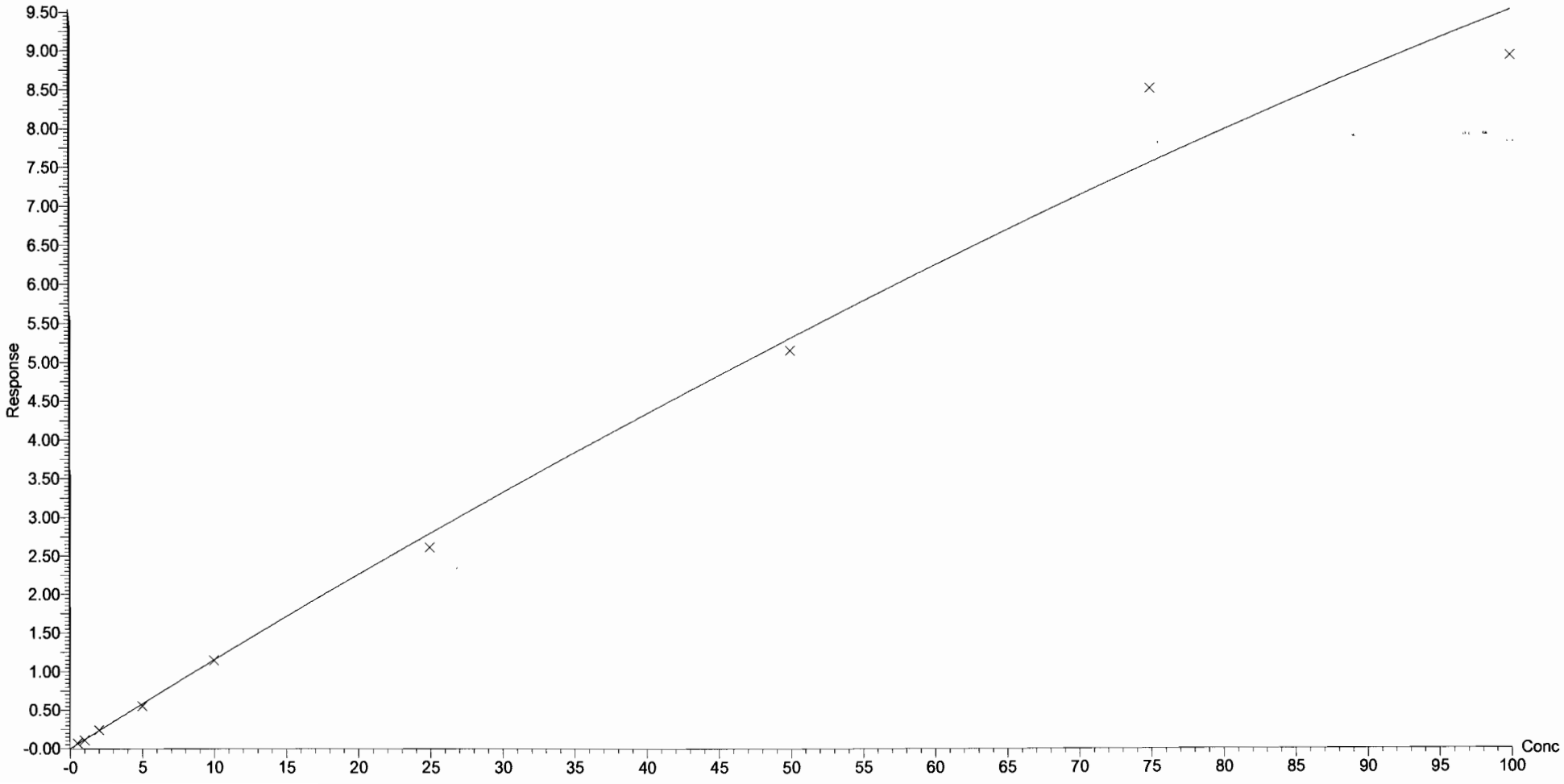
Compound name: PFUnA
Coefficient of Determination: R^2 = 0.992289
Calibration curve: 0.513064 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

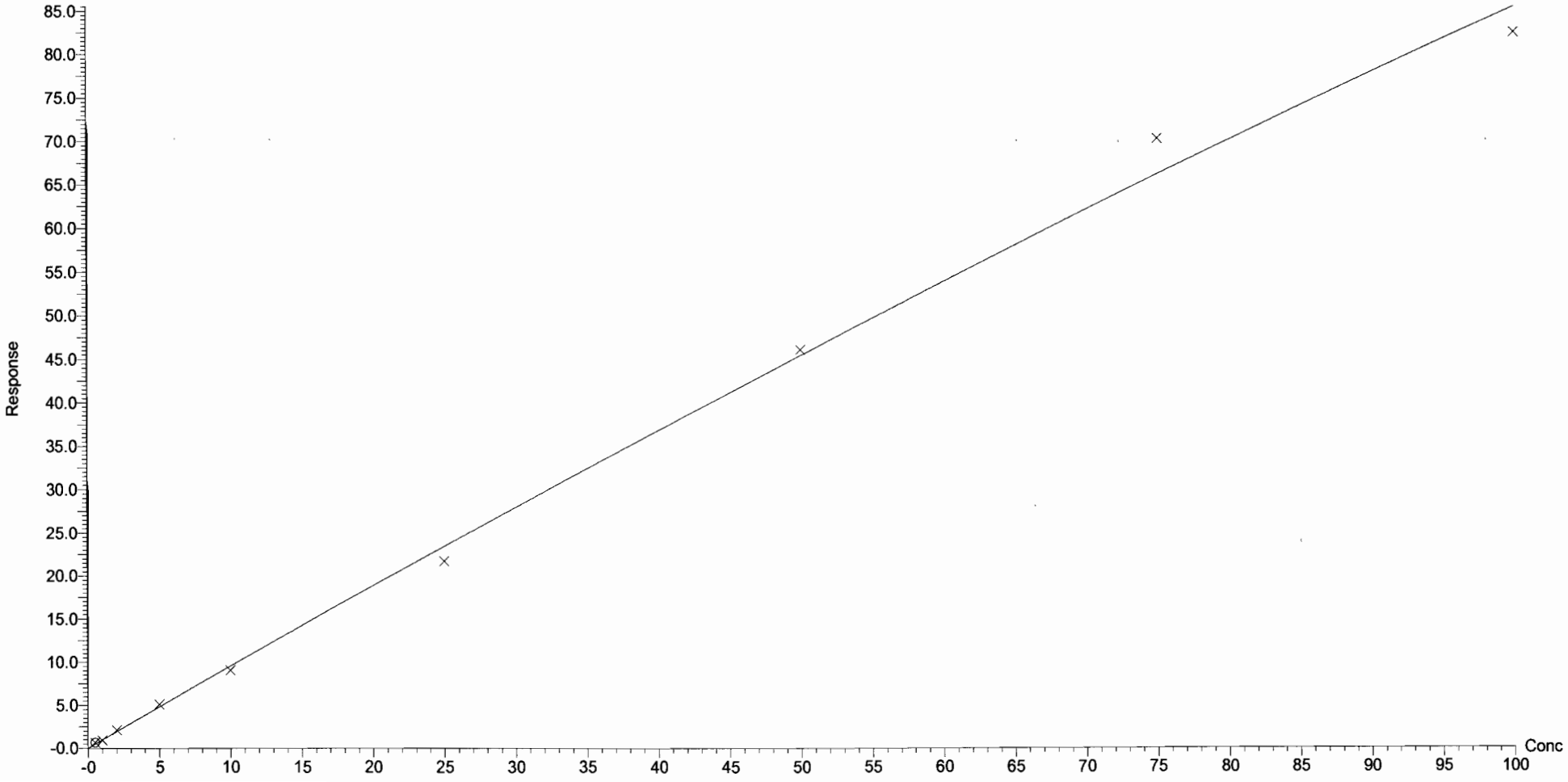
Compound name: PFDoA
Coefficient of Determination: R^2 = 0.992900
Calibration curve: -0.000216899 * x^2 + 0.117035 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None



Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.997219
Calibration curve: -0.00107804 * x^2 + 0.963206 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Force, Weighting: 1/x, Axis trans: None

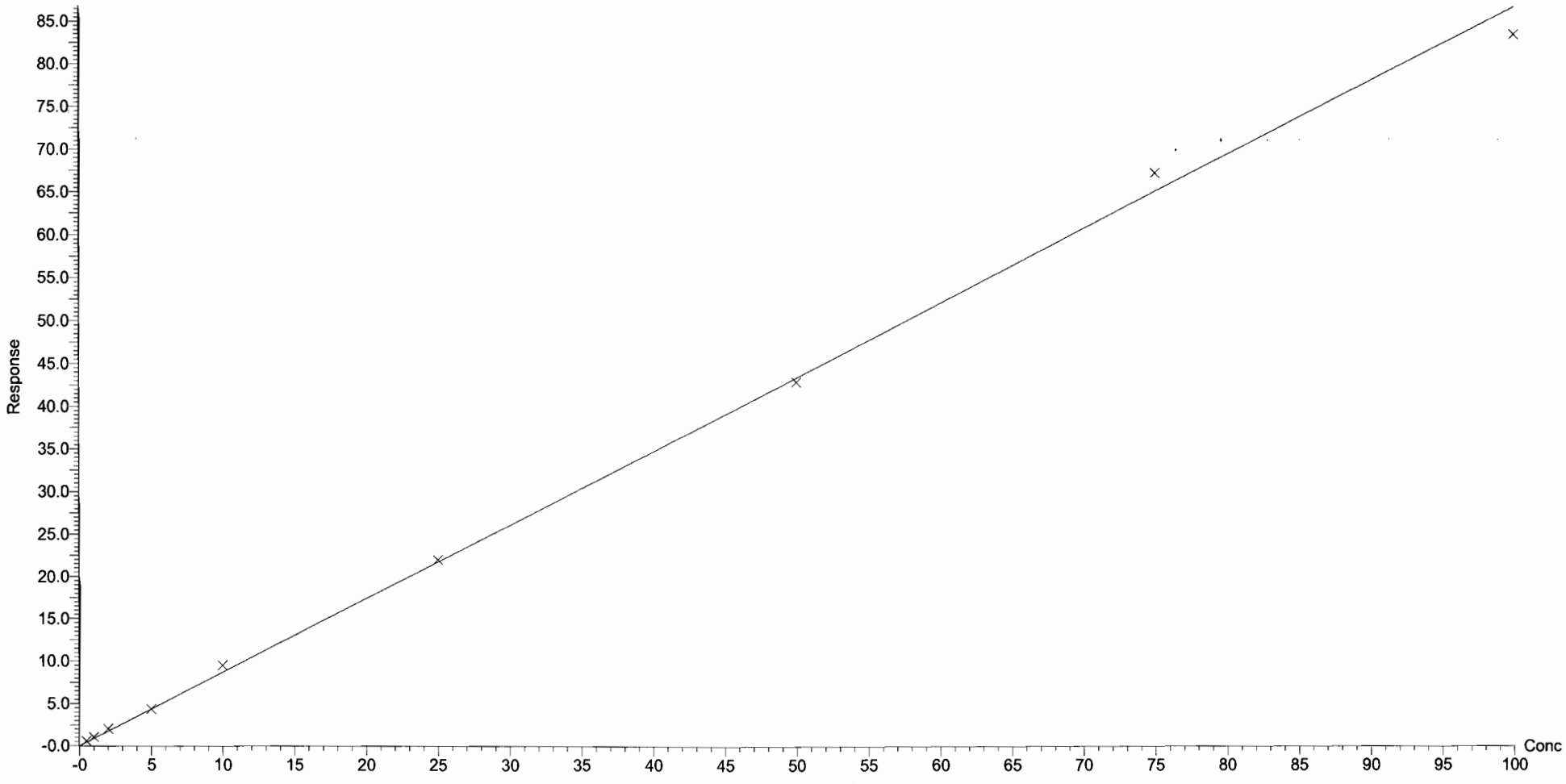


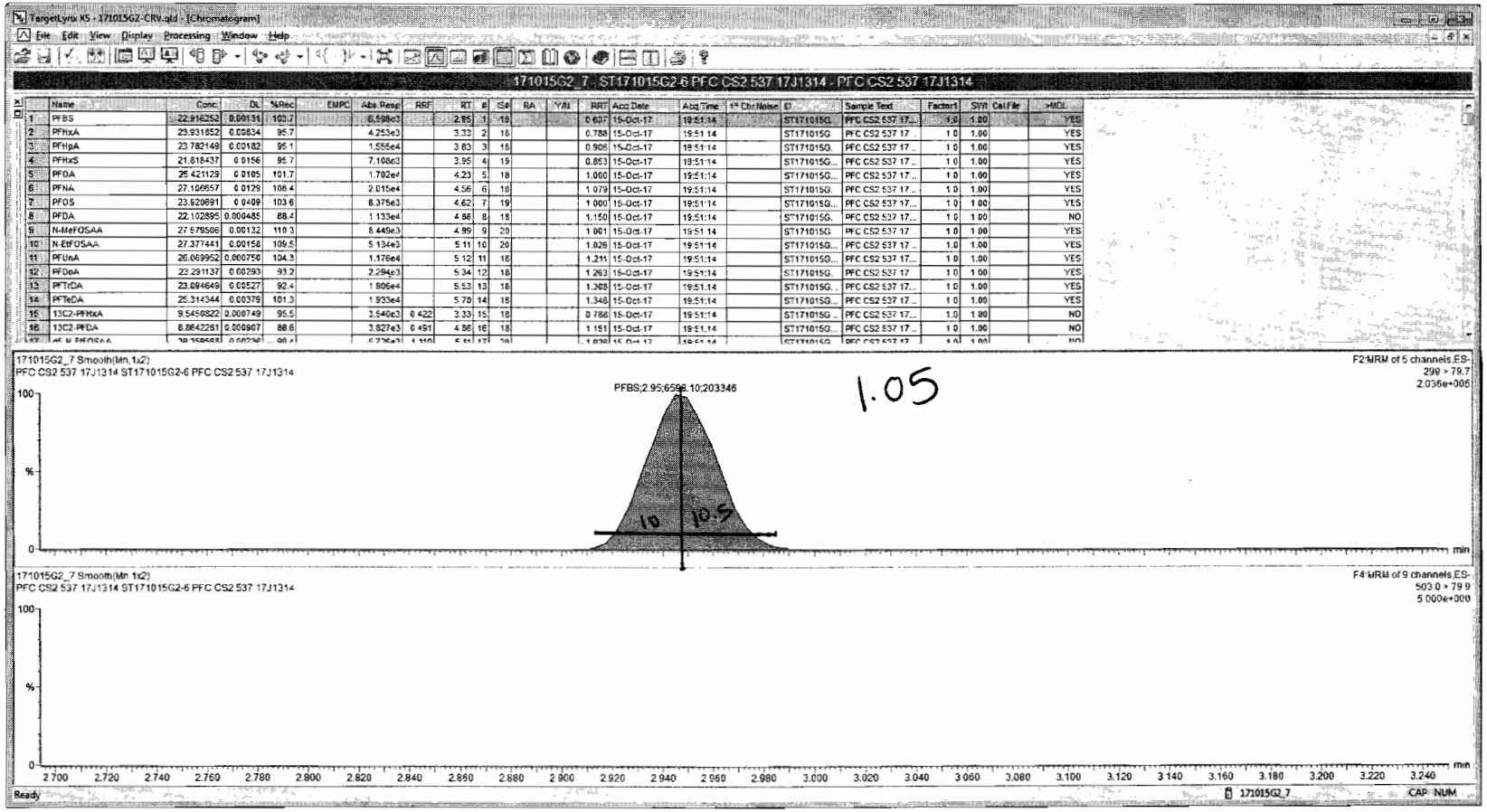
Vista Analytical Laboratory Q1

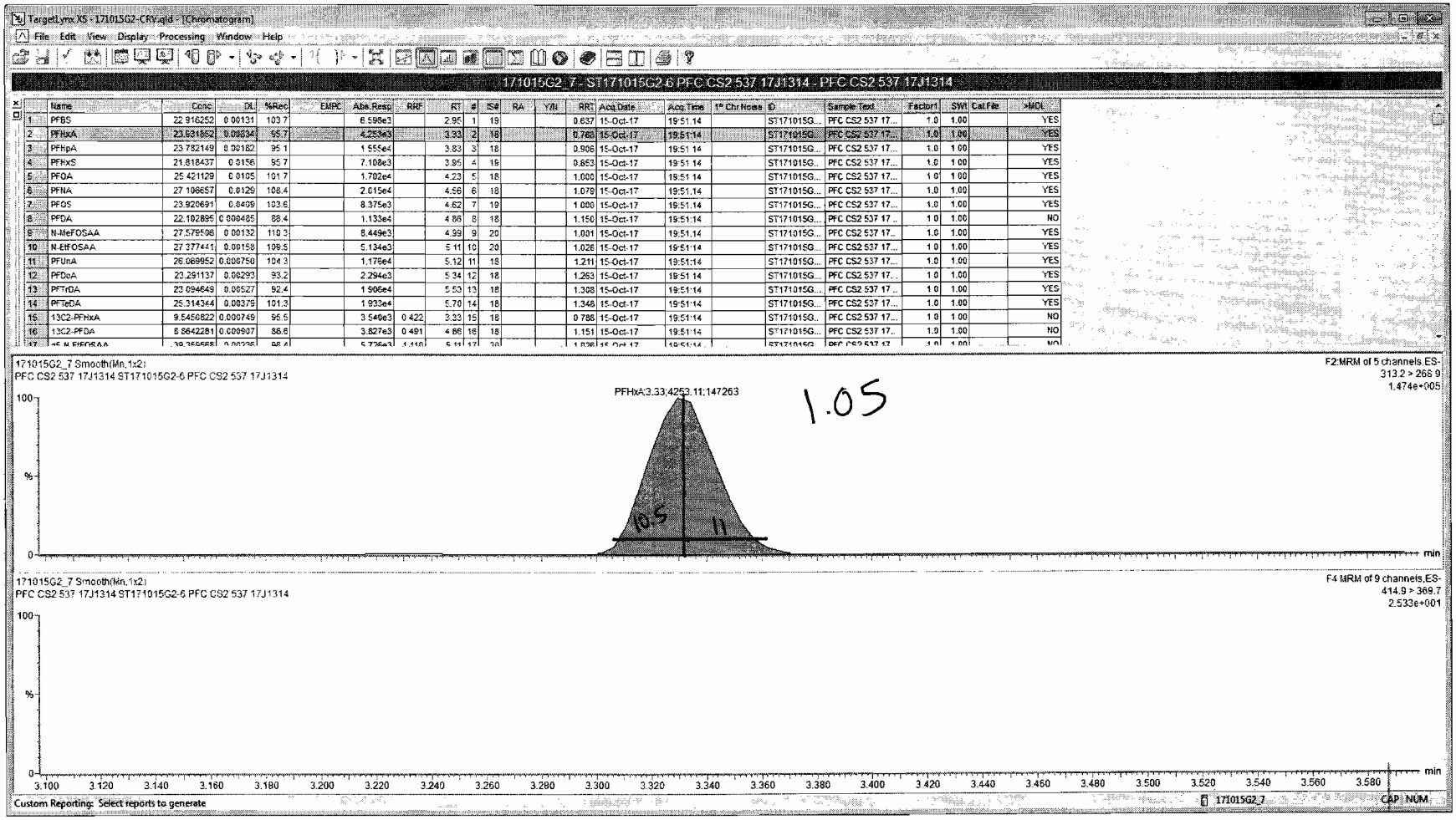
Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:54:39 Pacific Daylight Time

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.998205
Calibration curve: 0.86847 * x
Response type: Internal Std (Ref 18), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: 1/x, Axis trans: None




TargetLynx XS - 171015G2-CRV.qld - [Chromatogram]
File Edit View Display Processing Window Help
171015G2_7 - ST171015G2-6 PFC CS2 537 17J1314 - PFC CS2 537 17J1314
171015G2_7 Smooth(Mn,1x2)
PFC CS2 537 17J1314 ST171015G2-6 PFC CS2 537 17J1314
PFBS;2.95;6598.10;203346
1.05
10
10.5
F2:MRM of 5 channels,ES-
299 > 79.7
2.036e+005
171015G2_7 Smooth(Mn,1x2)
PFC CS2 537 17J1314 ST171015G2-6 PFC CS2 537 17J1314
F4:MRM of 9 channels,ES-
503.0 > 79.9
5.000e+000
Ready
171015G2_7
CAP NUM



	Name	Conc	DL	%Rec	EMPC	Abs Resp	RRF	RT	#	IS#	RA	Y/N	RRT	Acq Date	Acq Time	1st Chr Reset	ID	Sample Text	Factor1	SW1	Cal File	>MDL
1	PFBS	22.916252	0.00131	103.7		6.598e3		2.95	1	19			0.637	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
2	PFHxA	23.631652	0.00834	95.7		4.253e3		3.33	2	18			0.768	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
3	PFHpA	23.782149	0.00182	95.1		1.555e4		3.83	3	18			0.906	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
4	PFHxS	21.818437	0.0156	95.7		7.108e3		3.95	4	19			0.853	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
5	PFOA	25.421129	0.0105	101.7		1.702e4		4.23	5	18			1.000	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
6	PFNA	27.108657	0.0129	108.4		2.015e4		4.56	6	18			1.079	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
7	PFOS	23.920691	0.0409	103.6		8.375e3		4.62	7	19			1.000	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
8	PFDA	22.102895	0.000485	88.4		1.133e4		4.86	8	18			1.156	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		NO
9	N-MeFOSAA	27.579598	0.00132	110.3		8.449e3		4.99	9	20			1.001	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
10	N-EtFOSAA	27.377441	0.00158	109.5		5.134e3		5.11	10	20			1.026	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
11	PFUnA	26.069952	0.000750	104.3		1.176e4		5.12	11	18			1.211	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
12	PFDoA	23.291137	0.00293	93.2		2.294e3		5.34	12	18			1.263	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
13	PFTrDA	23.094649	0.00527	92.4		1.906e4		5.53	13	18			1.308	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
14	PFTeDA	25.314344	0.00379	101.3		1.933e4		5.70	14	18			1.348	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		YES
15	13C2-PFHxA	9.5450822	0.000749	95.5		3.540e3	0.422	3.33	15	18			0.788	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		NO
16	13C2-PFDA	8.8642281	0.000907	88.6		3.827e3	0.491	4.86	16	18			1.151	15-Oct-17	19:51:14		ST171015G...	PFC CS2 537 17...	1.0	1.00		NO

Vista Analytical Laboratory

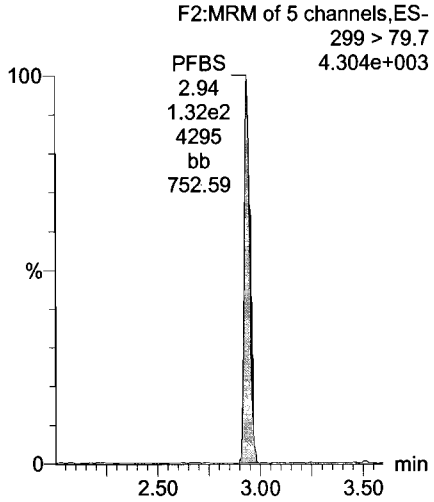
Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

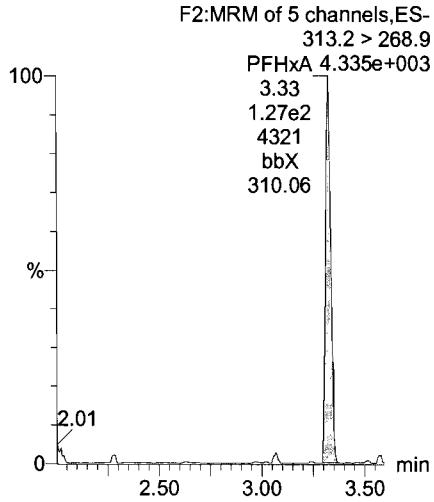
Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_2, Date: 15-Oct-2017, Time: 18:49:15, ID: ST171015G2-1 PFC CS-3 537 17J1308, Description: PFC CS-3 537 17J1308

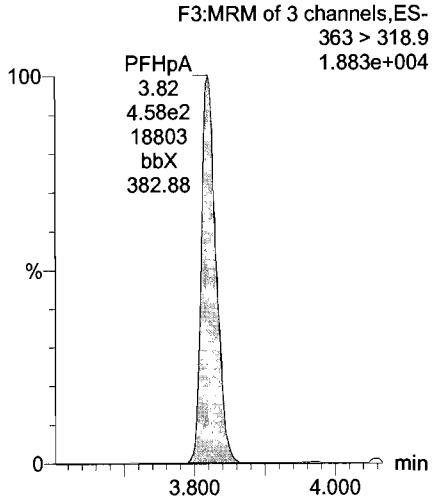
PFBS



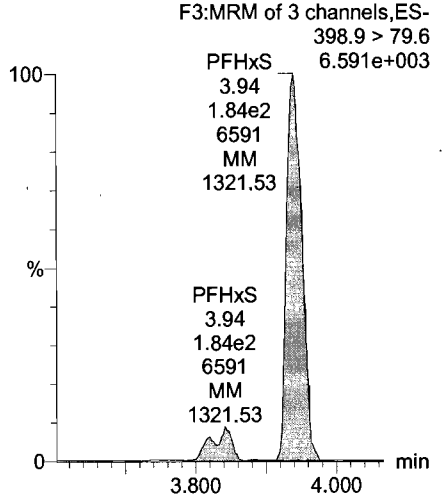
PFHxA



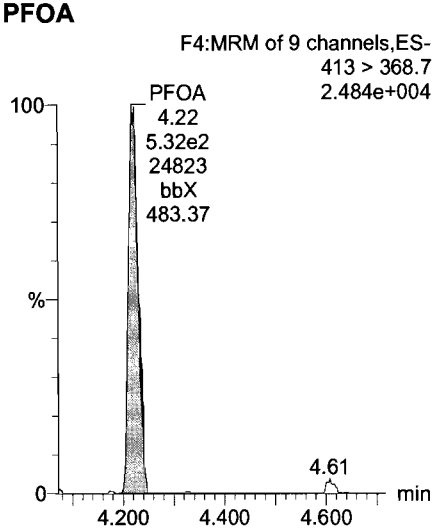
PFHpA



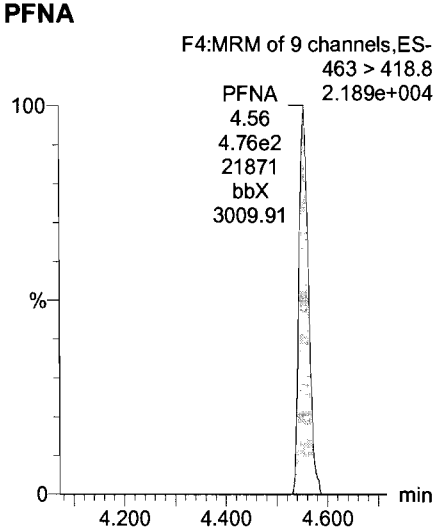
PFHxS



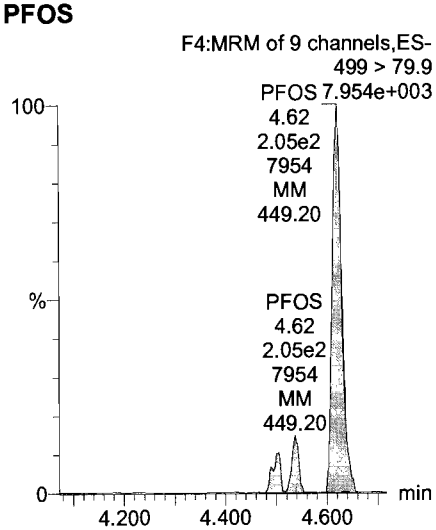
PFOA



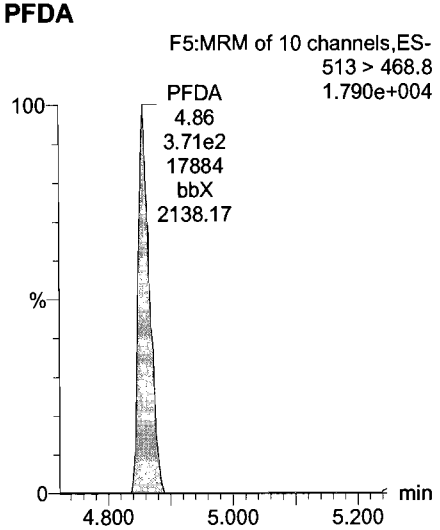
PFNA



PFOS



PFDA

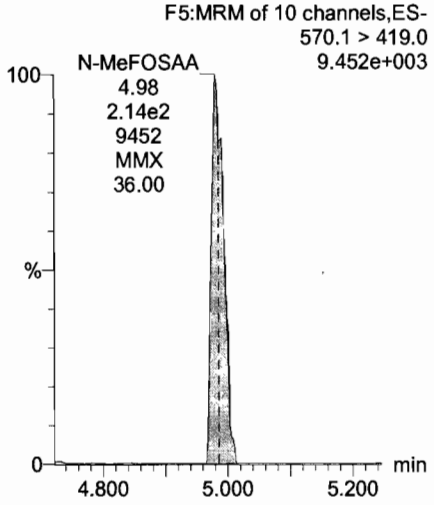


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

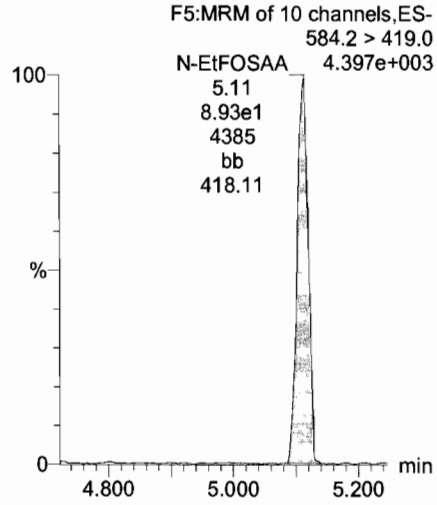
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_2, Date: 15-Oct-2017, Time: 18:49:15, ID: ST171015G2-1 PFC CS-3 537 17J1308, Description: PFC CS-3 537 17J1308

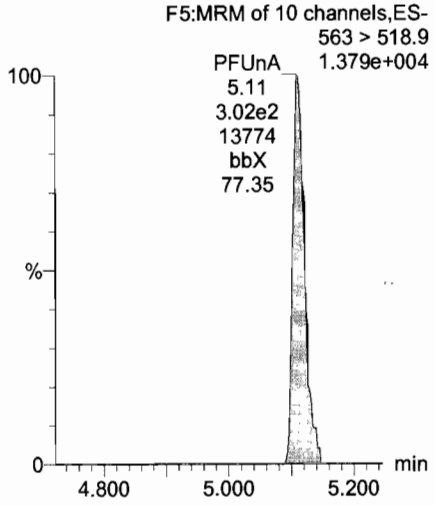
N-MeFOSAA



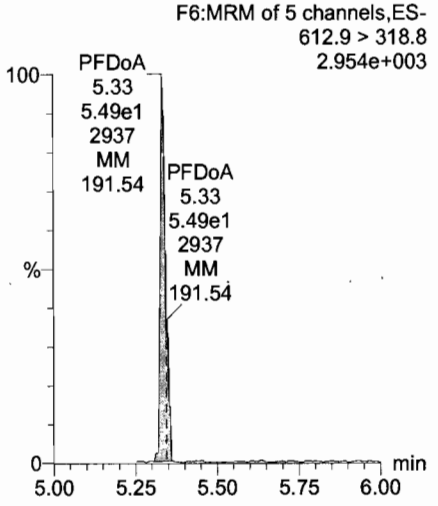
N-EtFOSAA



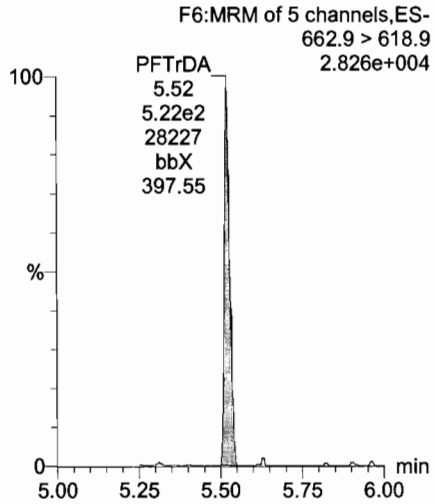
PFUnA



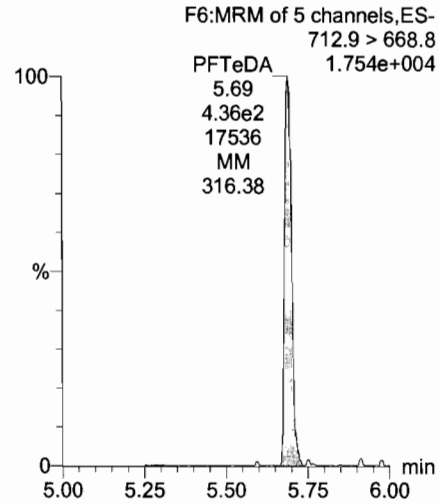
PFDoA



PFTrDA



PFTeDA

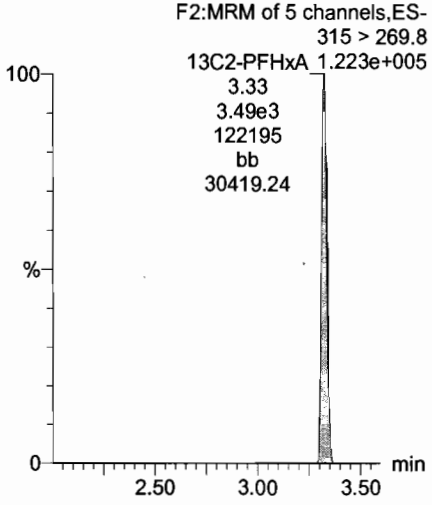


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

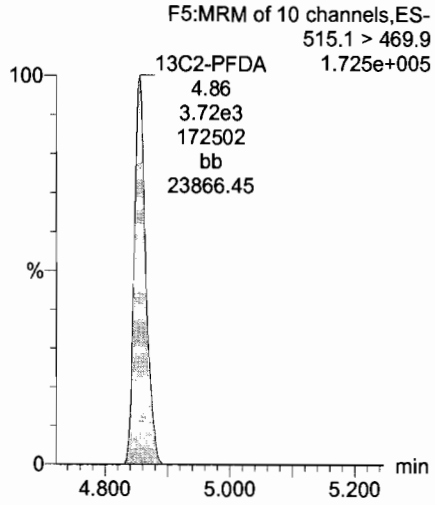
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_2, Date: 15-Oct-2017, Time: 18:49:15, ID: ST171015G2-1 PFC CS-3 537 17J1308, Description: PFC CS-3 537 17J1308

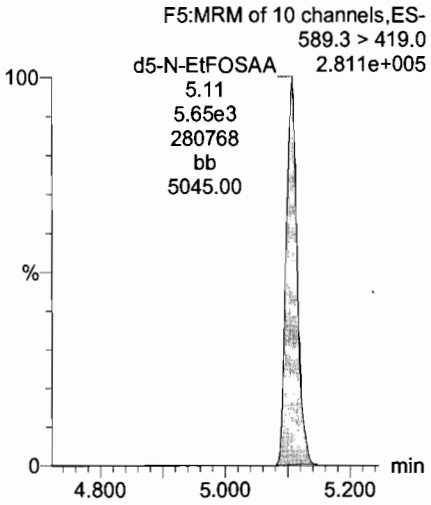
13C2-PFHxA



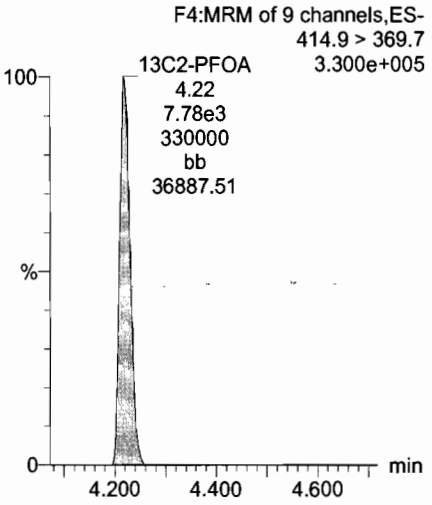
13C2-PFDA



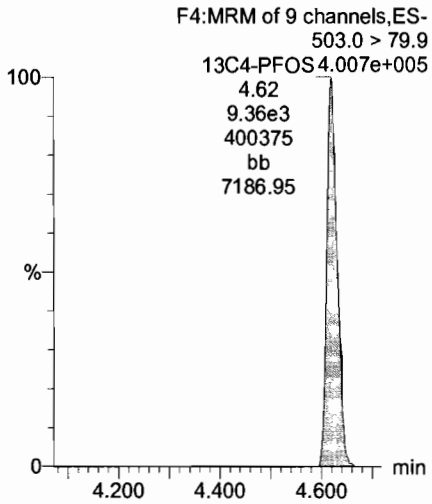
d5-N-EtFOSAA



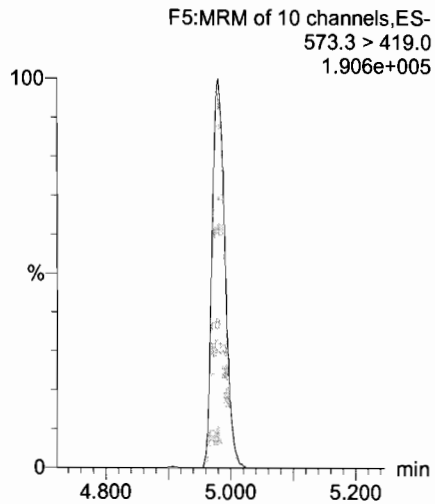
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA

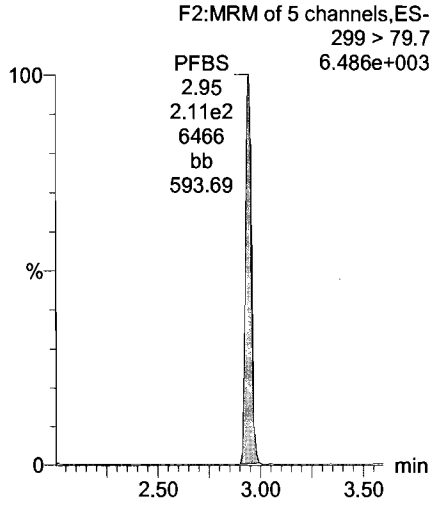


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

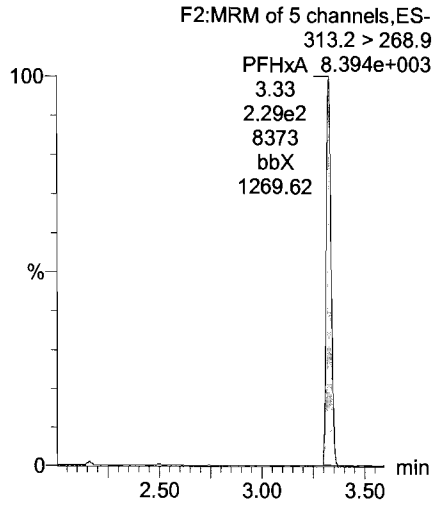
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_3, Date: 15-Oct-2017, Time: 19:01:38, ID: ST171015G2-2 PFC CS-2 537 17J1310, Description: PFC CS-2 537 17J13010

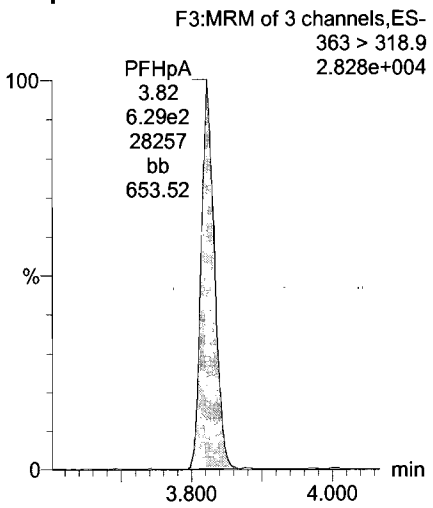
PFBS



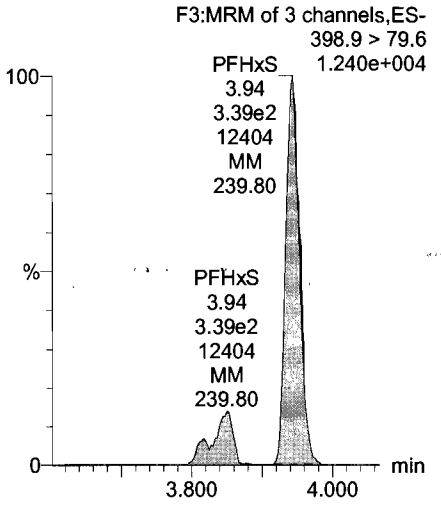
PFHxA



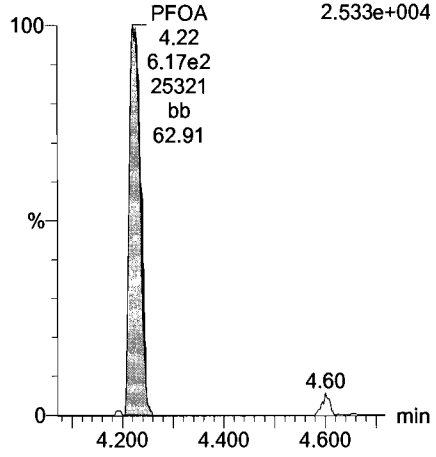
PFHpA



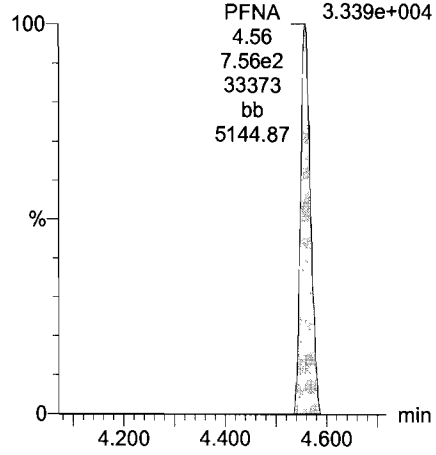
PFHxS



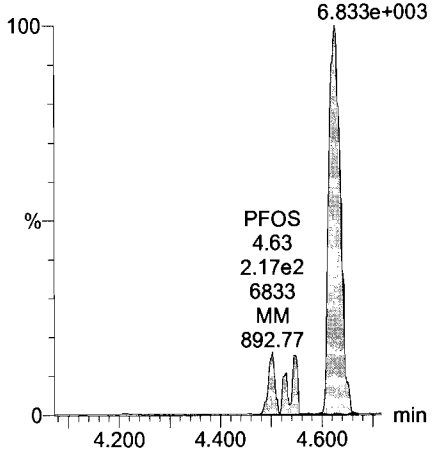
PFOA



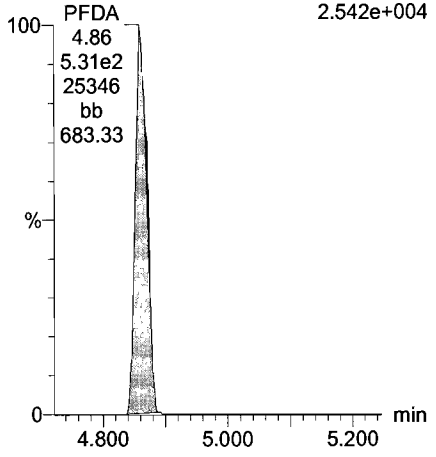
PFNA



PFOS



PFDA

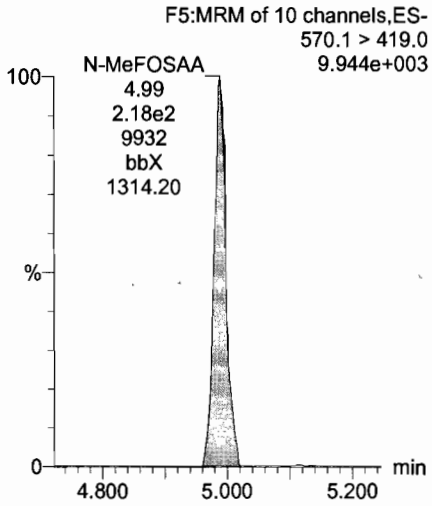


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

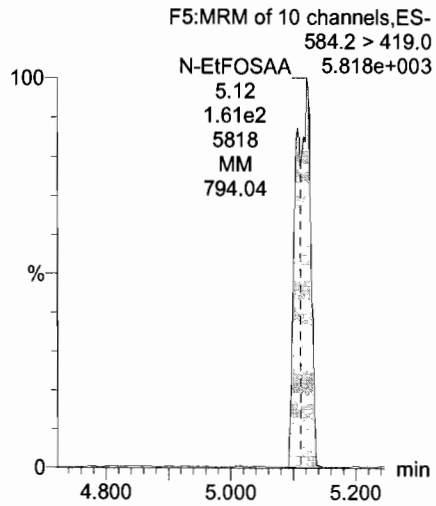
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_3, Date: 15-Oct-2017, Time: 19:01:38, ID: ST171015G2-2 PFC CS-2 537 17J1310, Description: PFC CS-2 537 17J13010

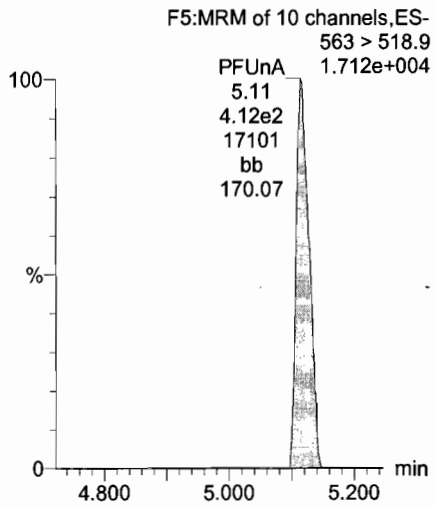
N-MeFOSAA



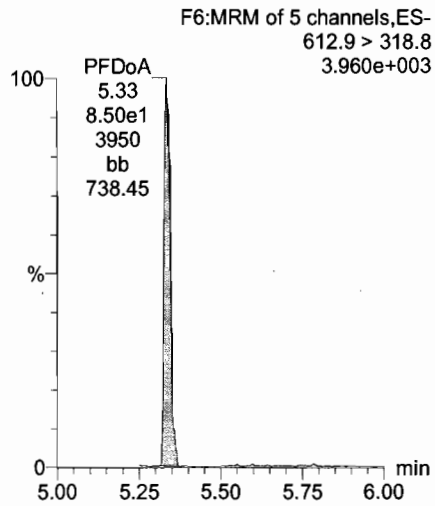
N-EtFOSAA



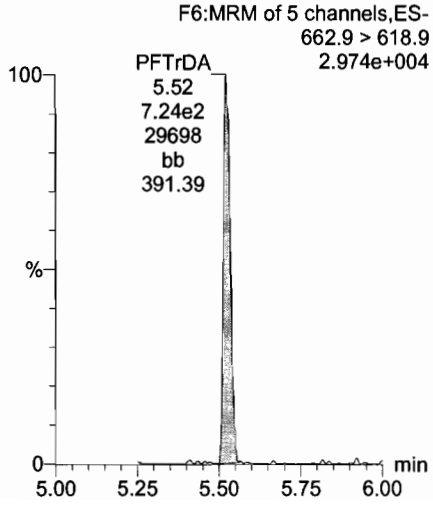
PFUnA



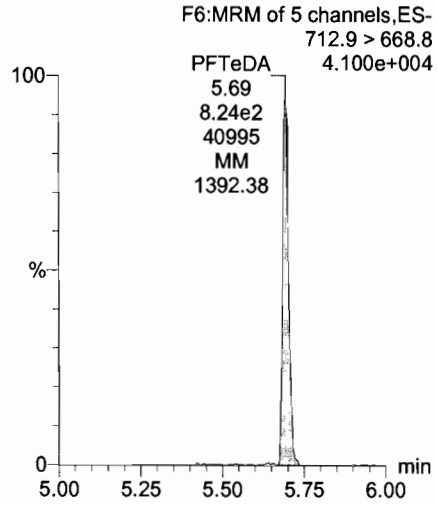
PFDoA



PFTrDA



PFTeDA

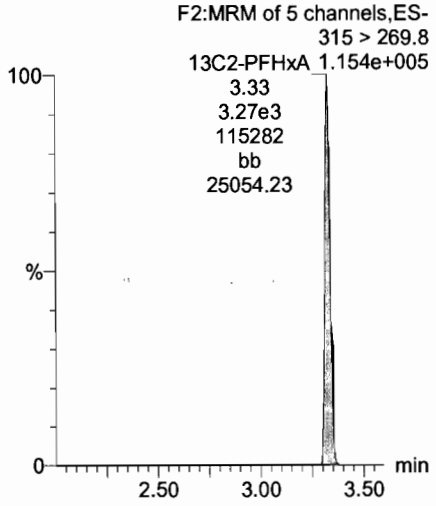


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

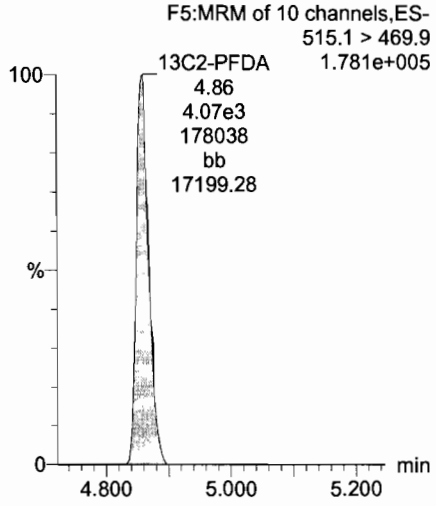
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_3, Date: 15-Oct-2017, Time: 19:01:38, ID: ST171015G2-2 PFC CS-2 537 17J1310, Description: PFC CS-2 537 17J13010

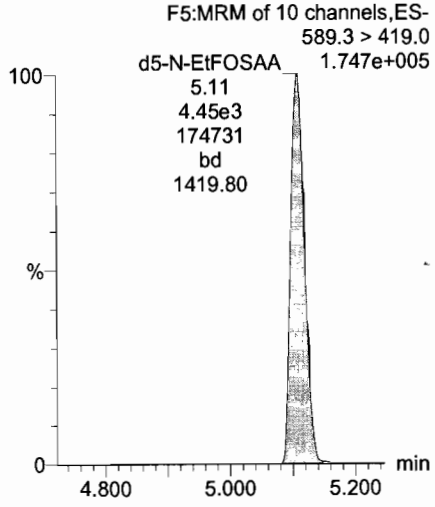
13C2-PFHxA



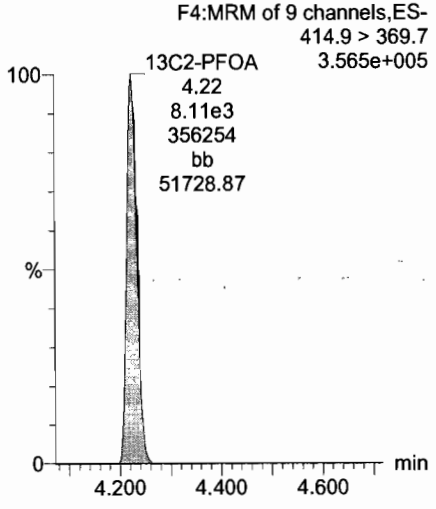
13C2-PFDA



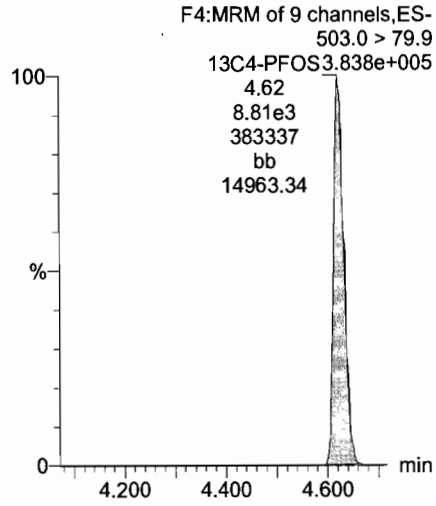
d5-N-EtFOSAA



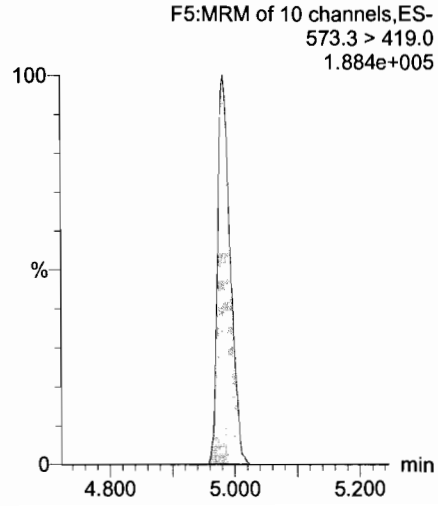
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA

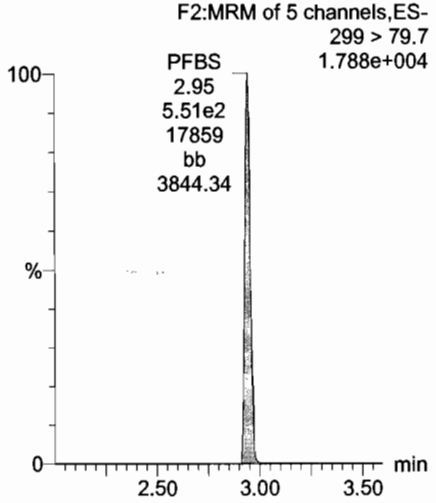


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

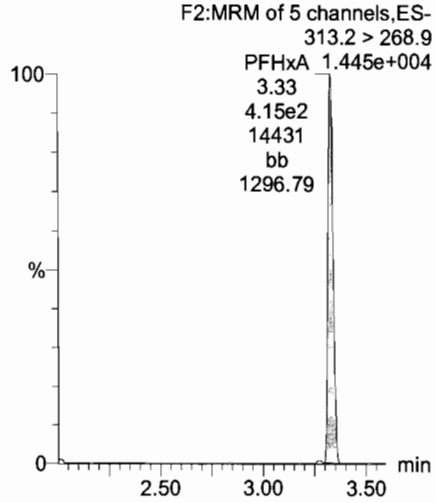
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_4, Date: 15-Oct-2017, Time: 19:14:01, ID: ST171015G2-3 PFC CS-1 537 17J1311, Description: PFC CS-1 537 17J1311

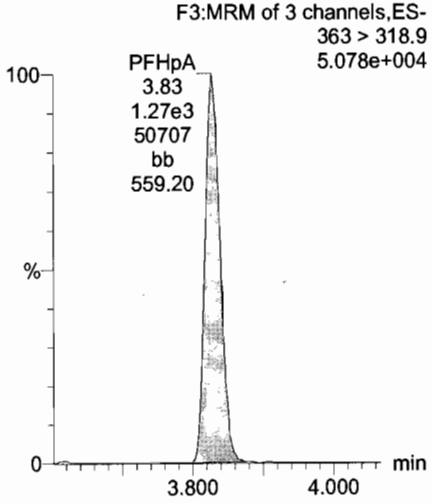
PFBS



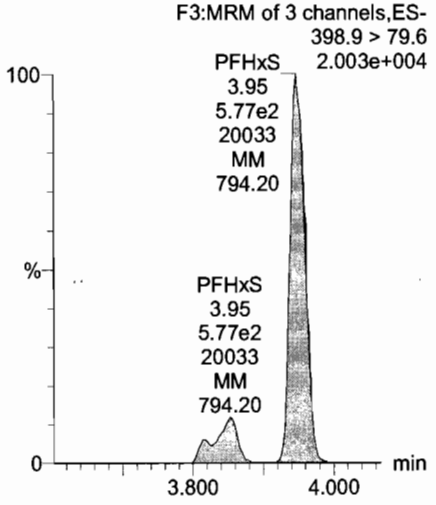
PFHxA



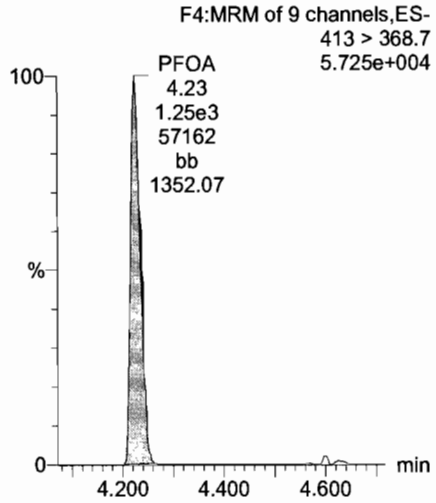
PFHpA



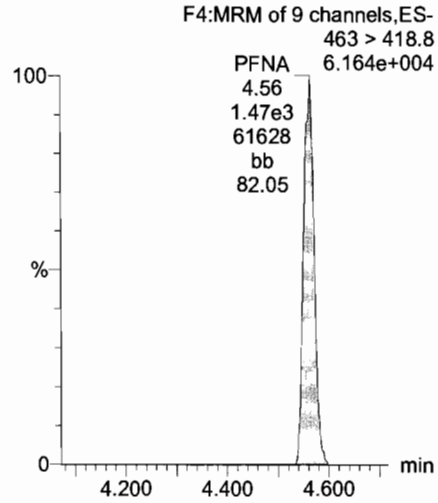
PFHxS



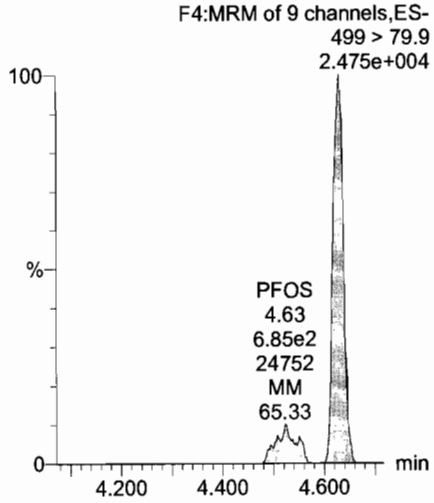
PFOA



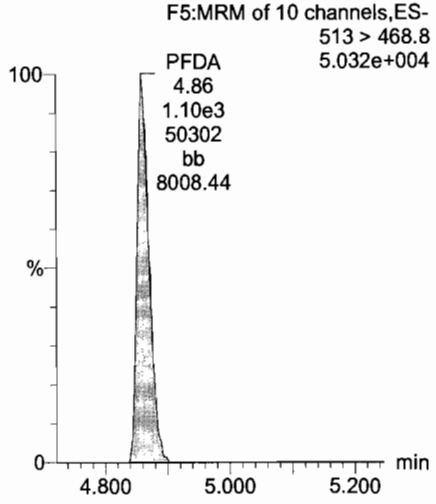
PFNA



PFOS



PFDA

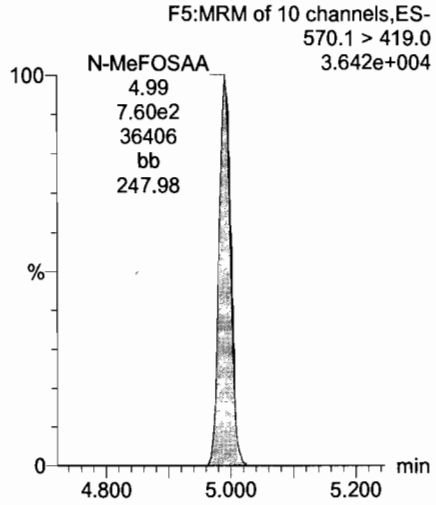


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

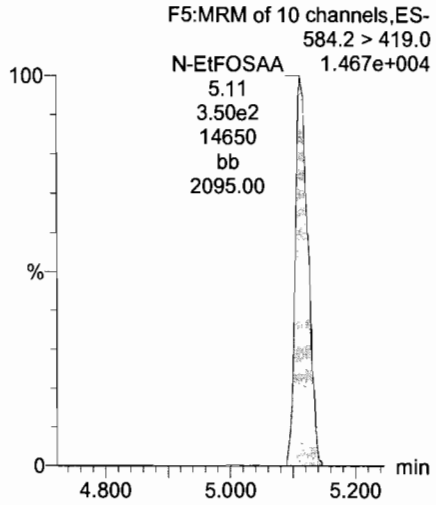
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_4, Date: 15-Oct-2017, Time: 19:14:01, ID: ST171015G2-3 PFC CS-1 537 17J1311, Description: PFC CS-1 537 17J1311

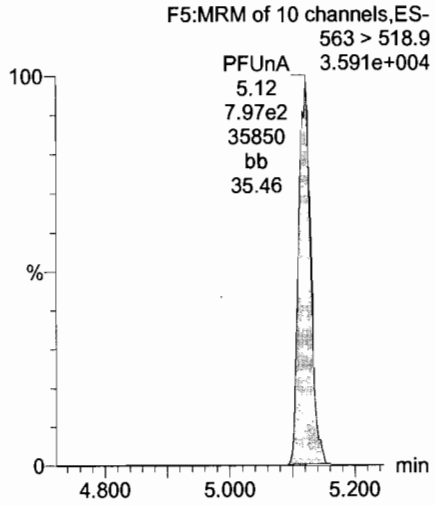
N-MeFOSAA



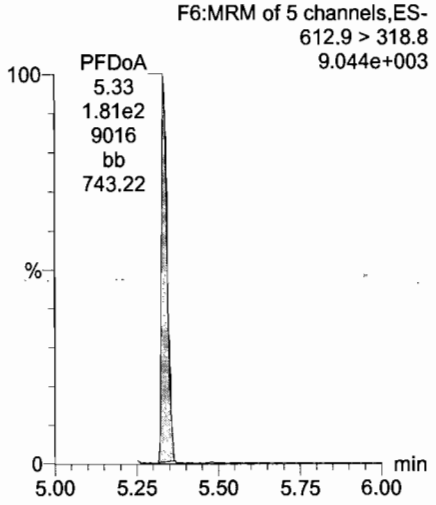
N-EtFOSAA



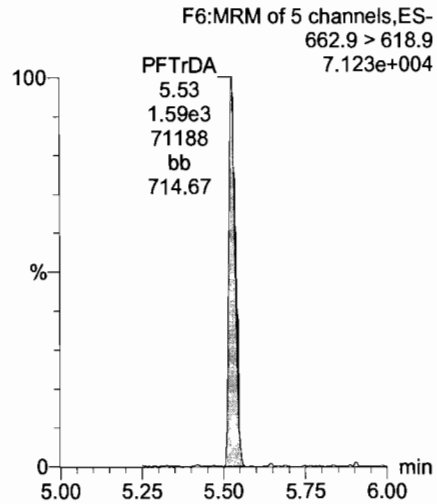
PFUnA



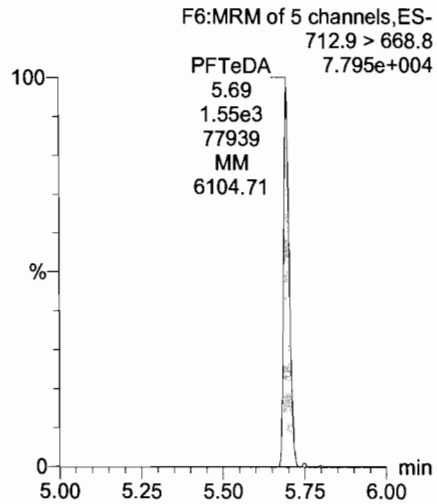
PFDoA



PFTrDA



PFTeDA

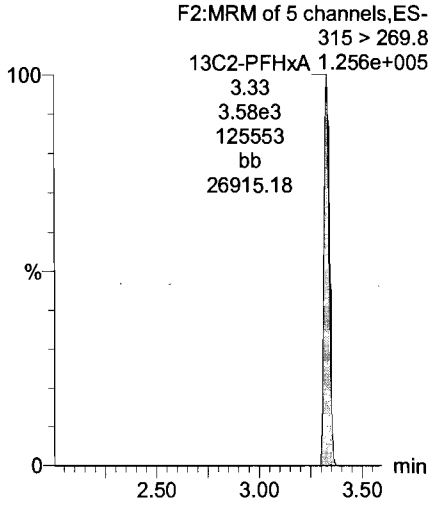


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

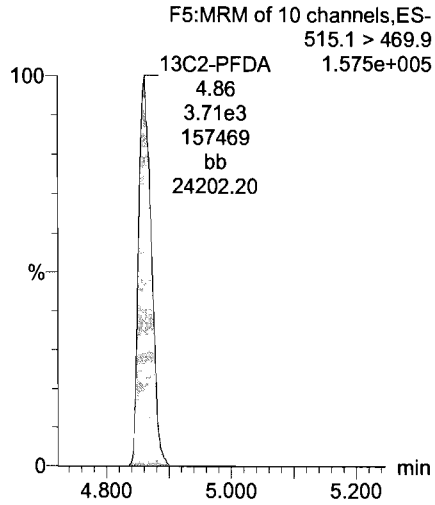
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_4, Date: 15-Oct-2017, Time: 19:14:01, ID: ST171015G2-3 PFC CS-1 537 17J1311, Description: PFC CS-1 537 17J1311

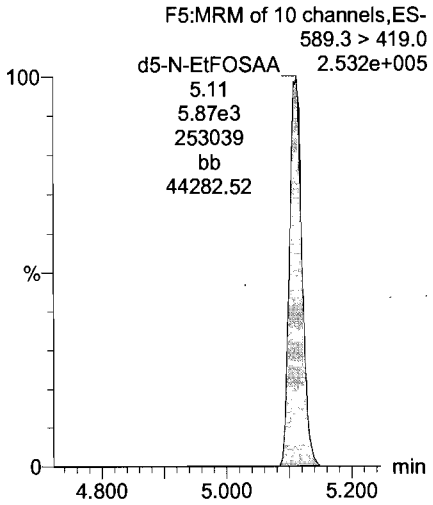
13C2-PFHxA



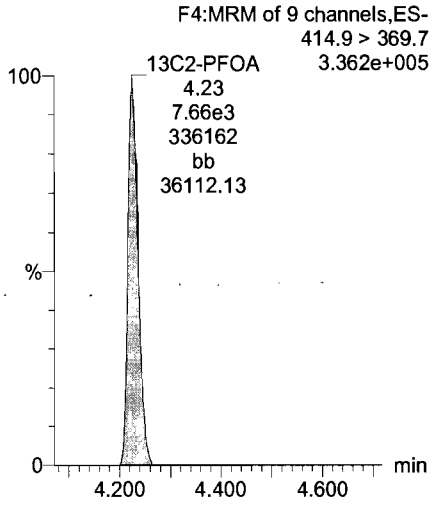
13C2-PFDA



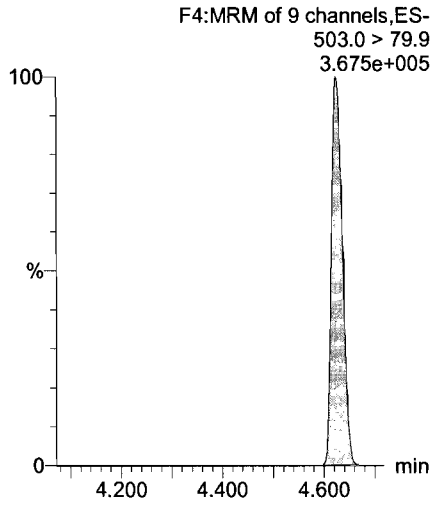
d5-N-EtFOSAA



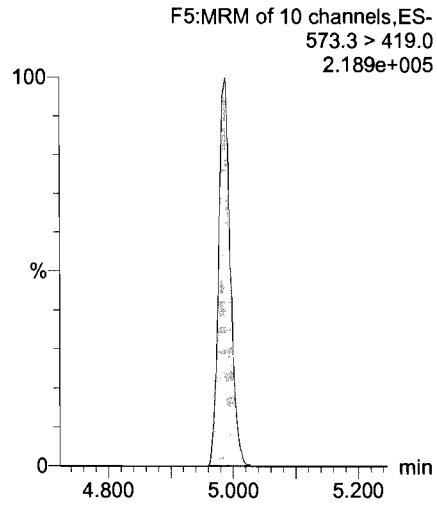
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA

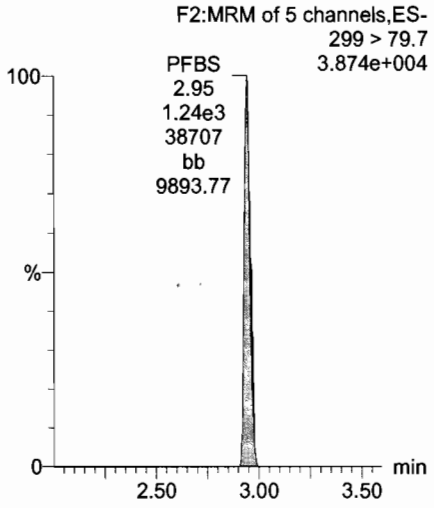


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

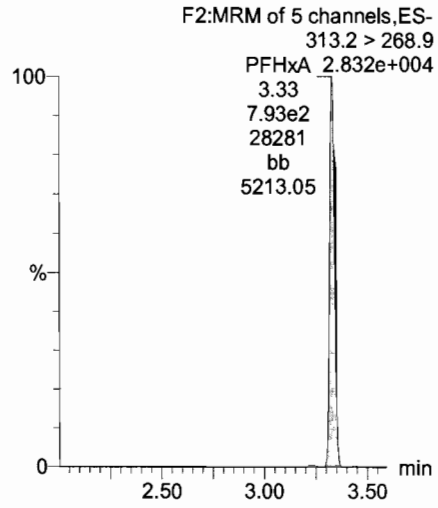
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_5, Date: 15-Oct-2017, Time: 19:26:25, ID: ST171015G2-4 PFC CS0 537 17J1312, Description: PFC CS0 537 17J1312

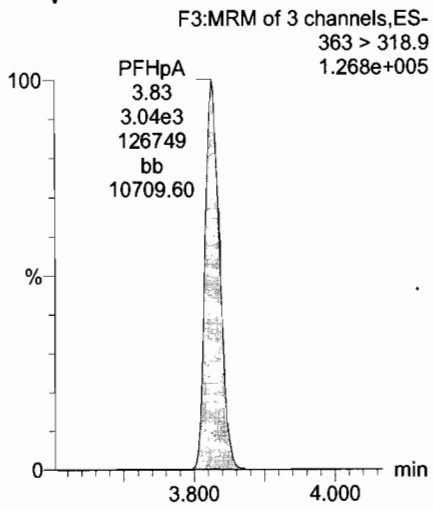
PFBS



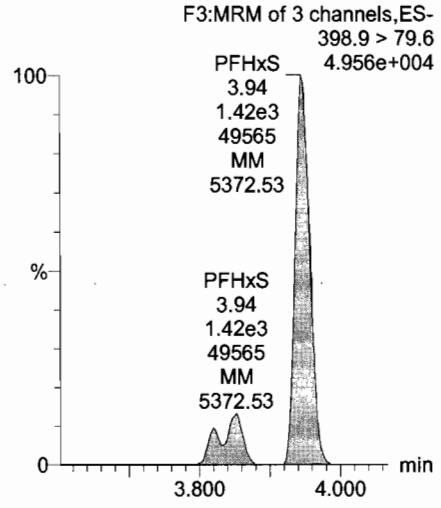
PFHxA



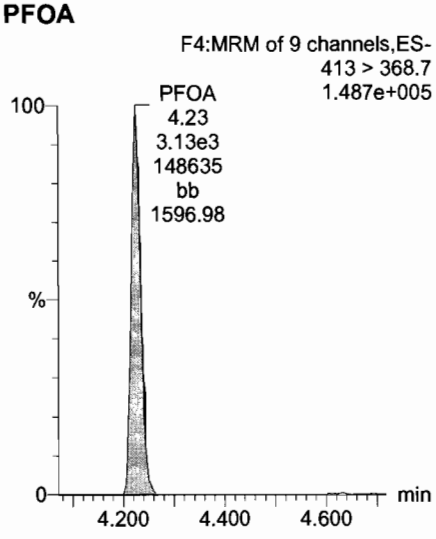
PFHpA



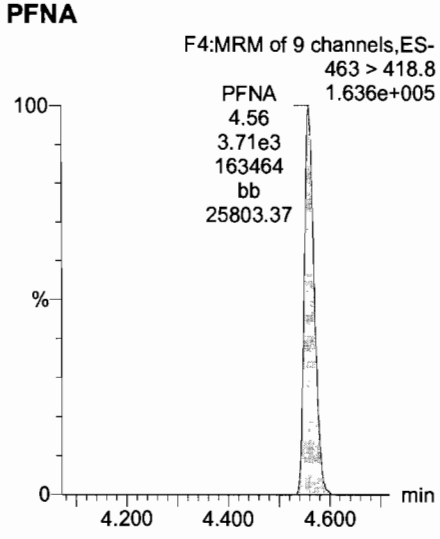
PFHxS



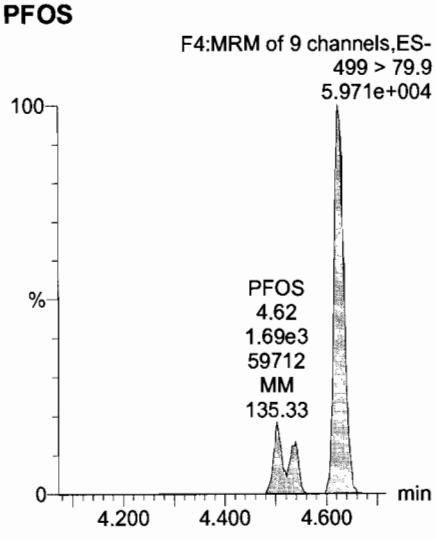
PFOA



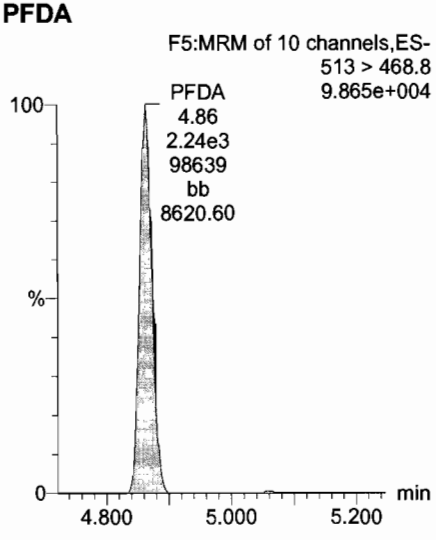
PFNA



PFOS



PFDA

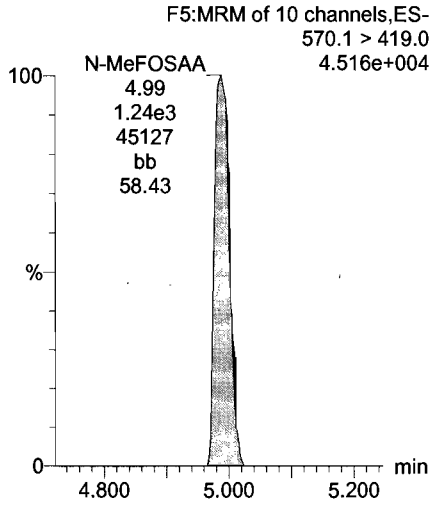


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

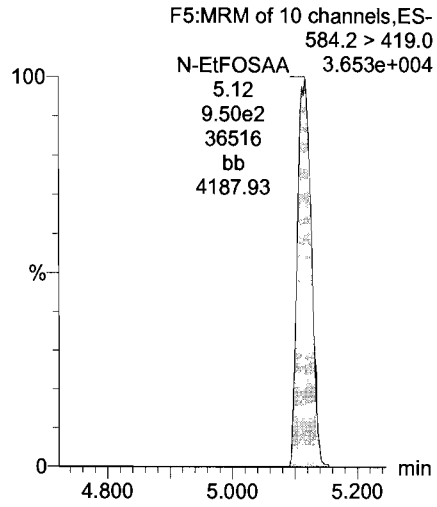
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_5, Date: 15-Oct-2017, Time: 19:26:25, ID: ST171015G2-4 PFC CS0 537 17J1312, Description: PFC CS0 537 17J1312

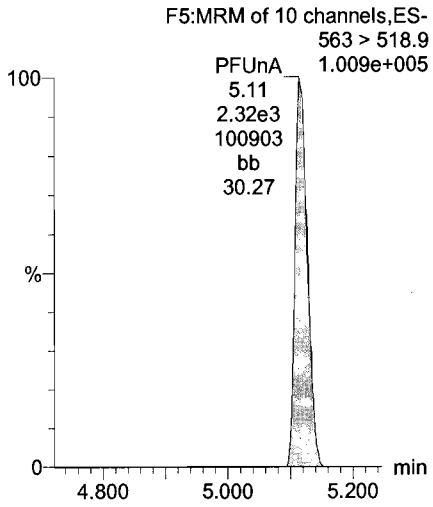
N-MeFOSAA



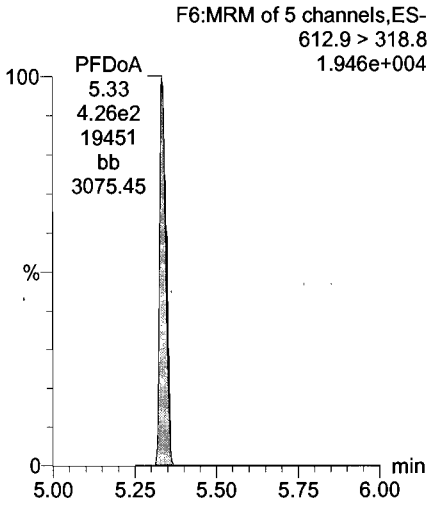
N-EtFOSAA



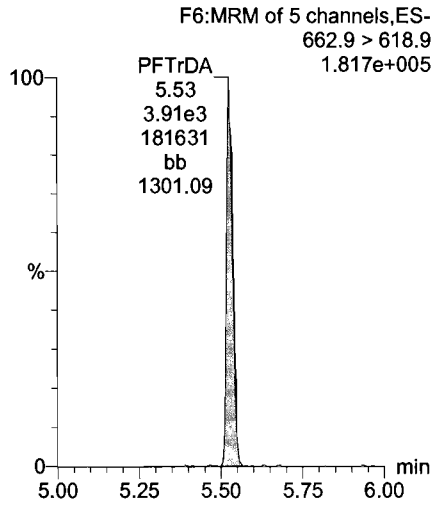
PFUnA



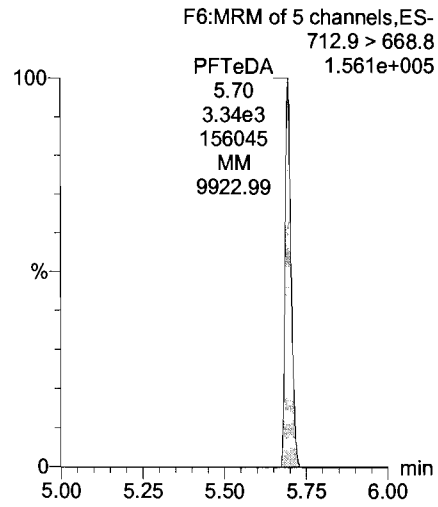
PFDoA



PFTrDA



PFTeDA

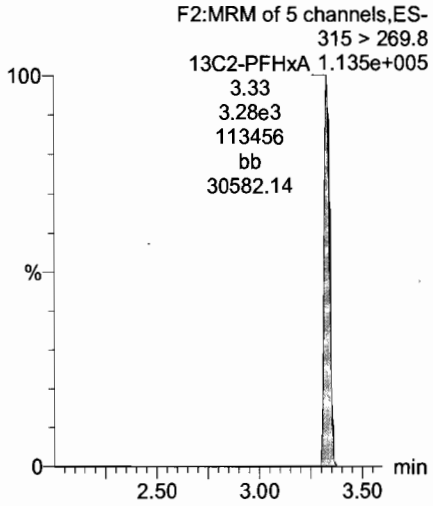


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

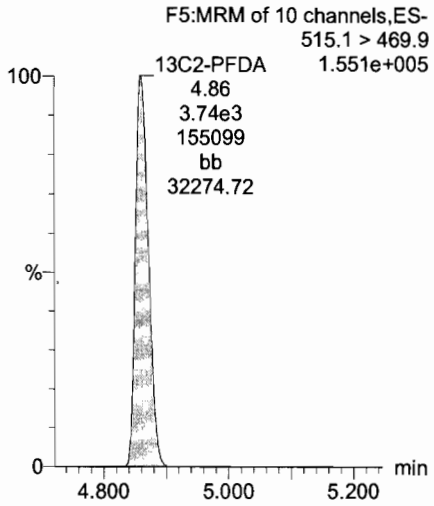
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_5, Date: 15-Oct-2017, Time: 19:26:25, ID: ST171015G2-4 PFC CS0 537 17J1312, Description: PFC CS0 537 17J1312

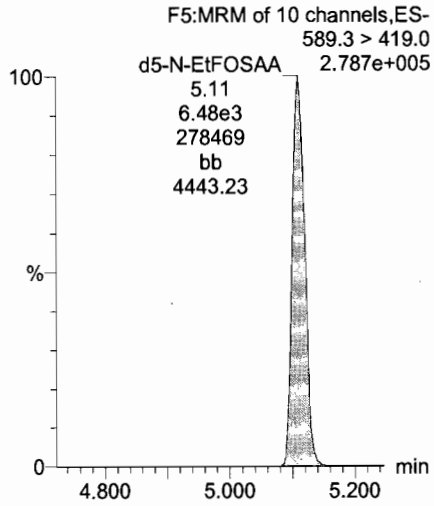
13C2-PFHxA



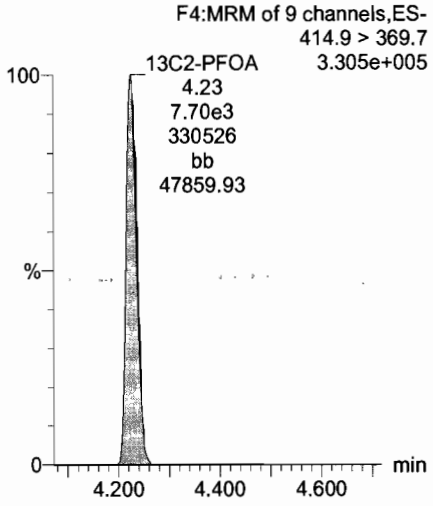
13C2-PFDA



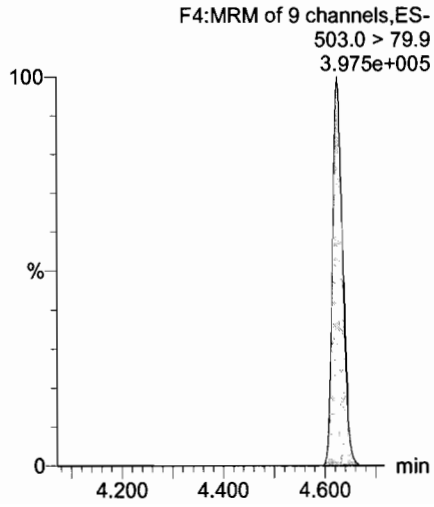
d5-N-EtFOSAA



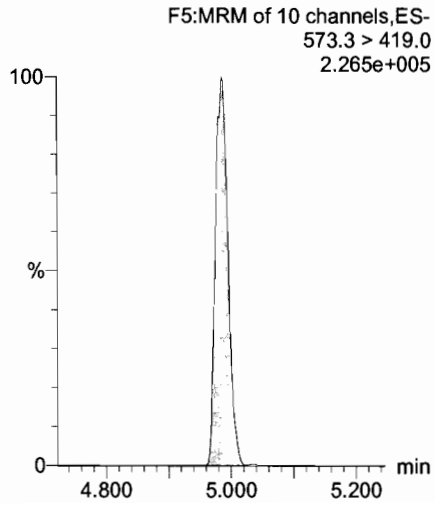
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA

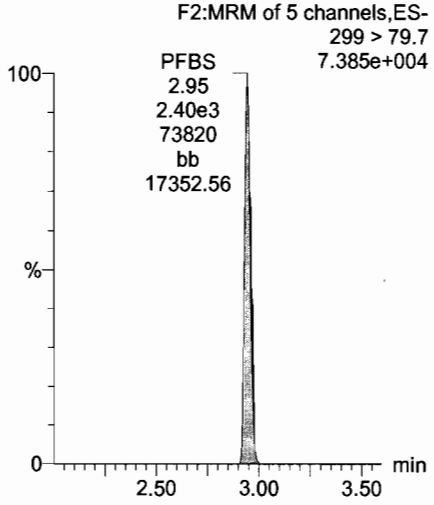


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

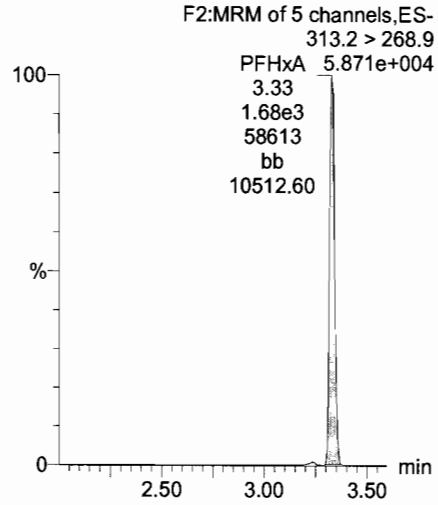
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_6, Date: 15-Oct-2017, Time: 19:38:48, ID: ST171015G2-5 PFC CS1 537 17J1313, Description: PFC CS1 537 17J1313

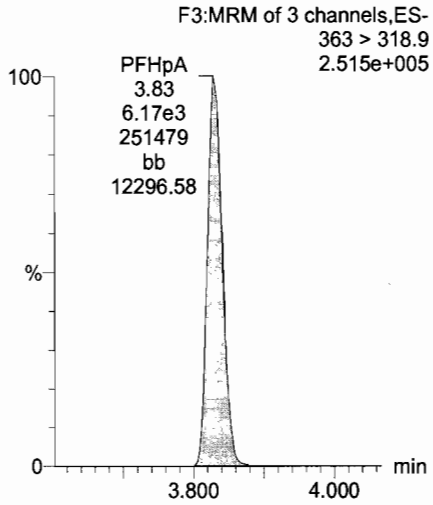
PFBS



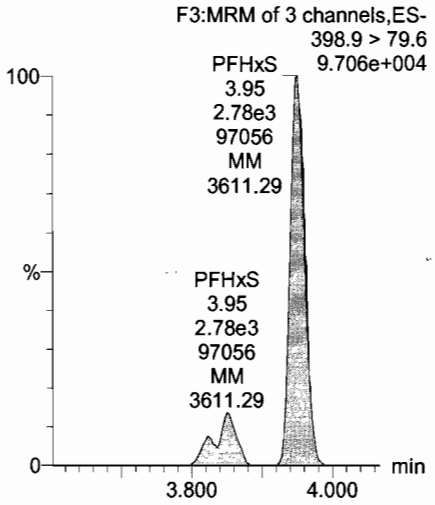
PFHxA



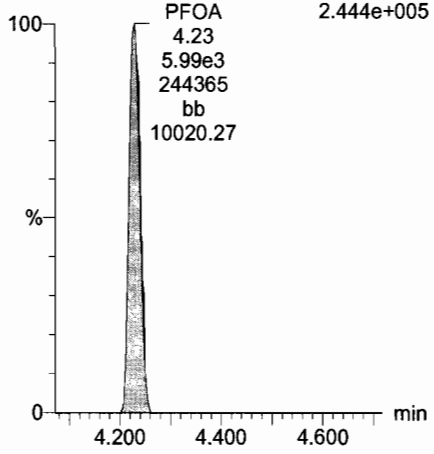
PFHpA



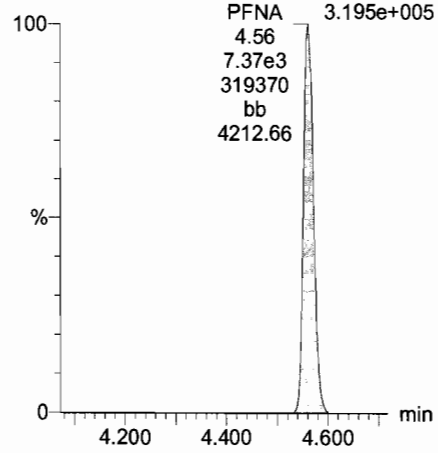
PFHxS



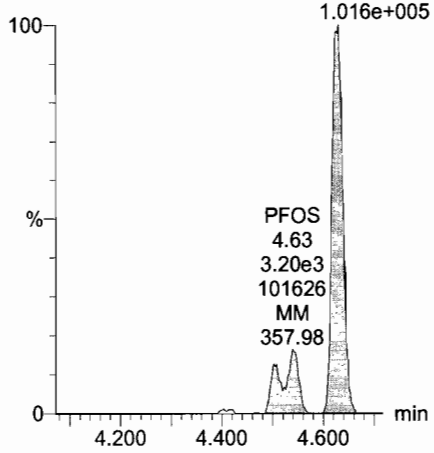
PFOA



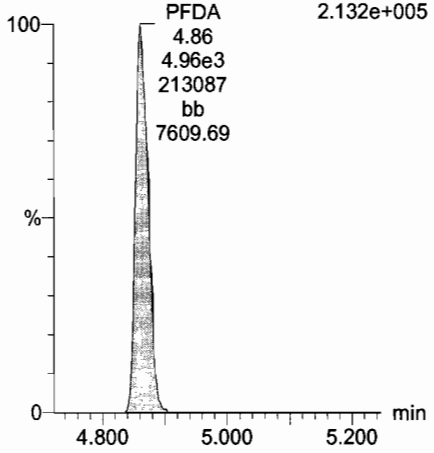
PFNA



PFOS



PFDA

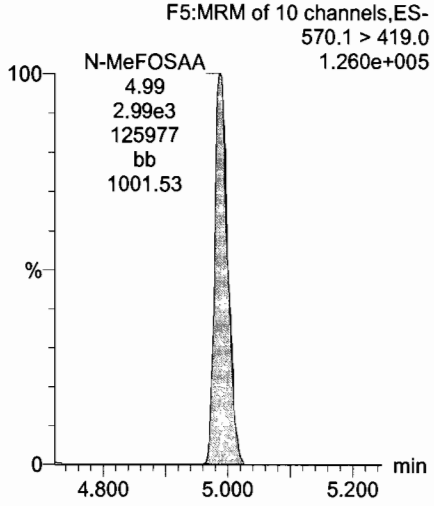


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

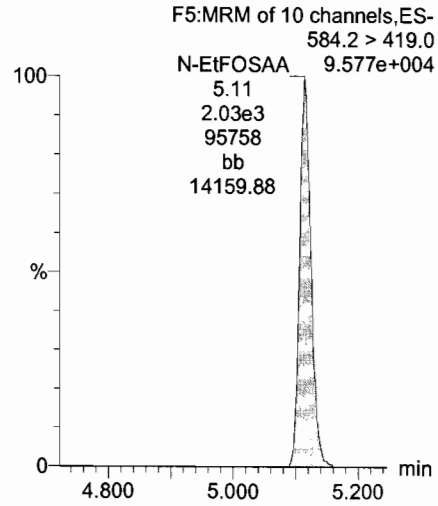
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_6, Date: 15-Oct-2017, Time: 19:38:48, ID: ST171015G2-5 PFC CS1 537 17J1313, Description: PFC CS1 537 17J1313

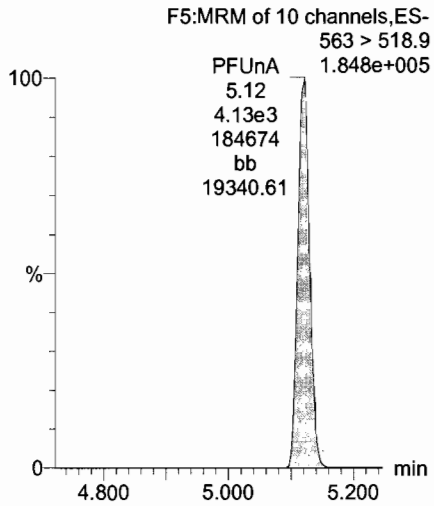
N-MeFOSAA



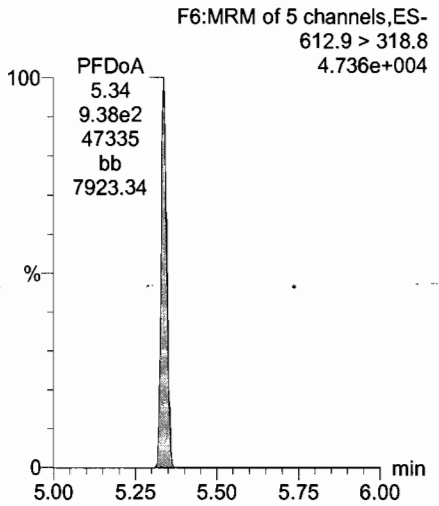
N-EtFOSAA



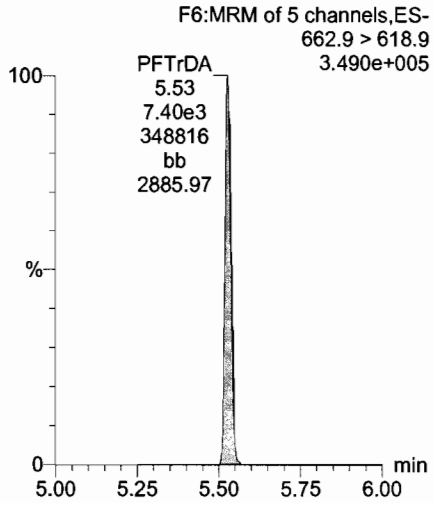
PFUnA



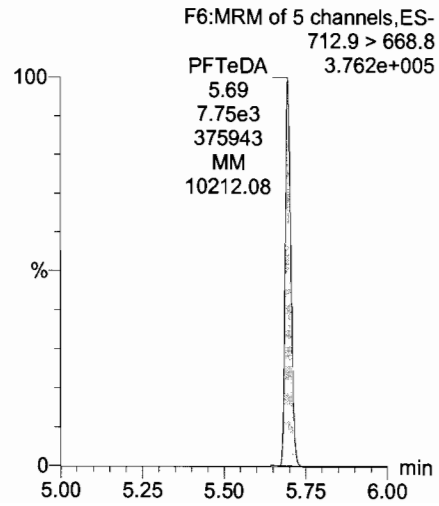
PFDoA



PFTrDA



PFTeDA

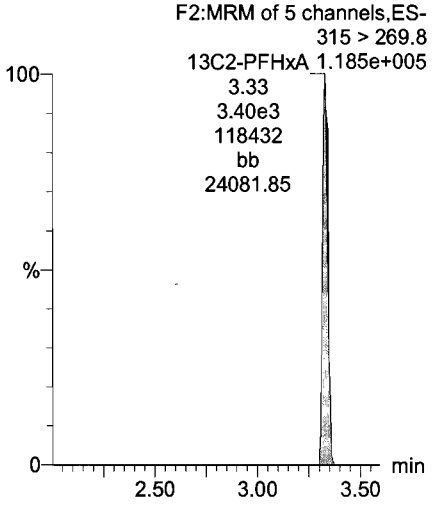


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

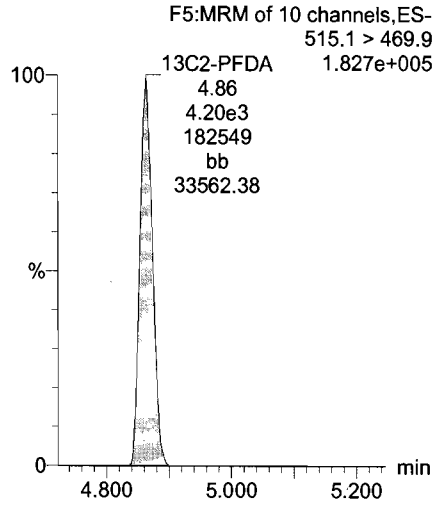
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_6, Date: 15-Oct-2017, Time: 19:38:48, ID: ST171015G2-5 PFC CS1 537 17J1313, Description: PFC CS1 537 17J1313

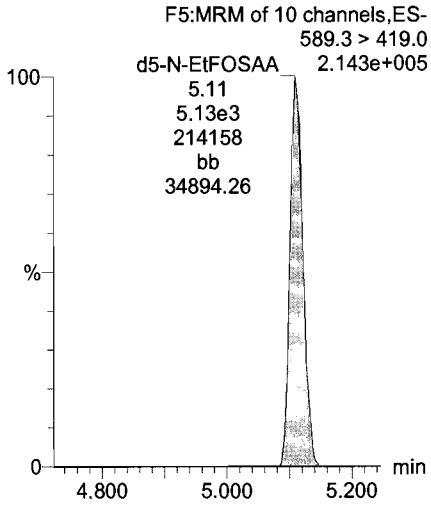
13C2-PFHxA



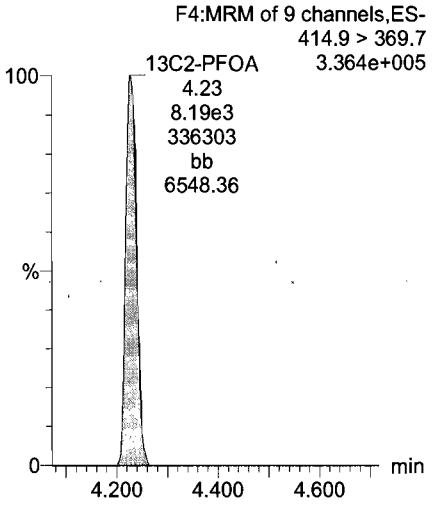
13C2-PFDA



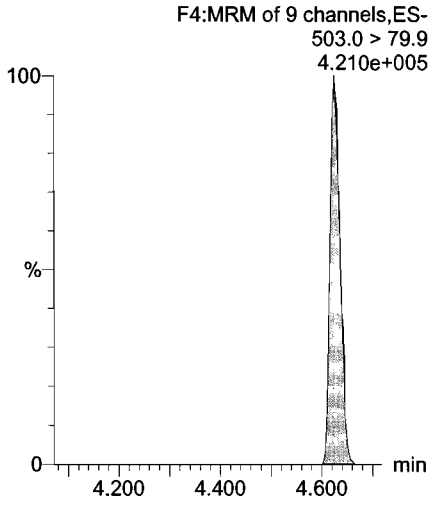
d5-N-EtFOSAA



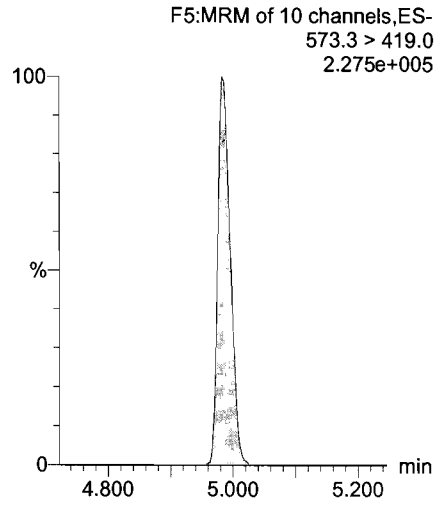
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA

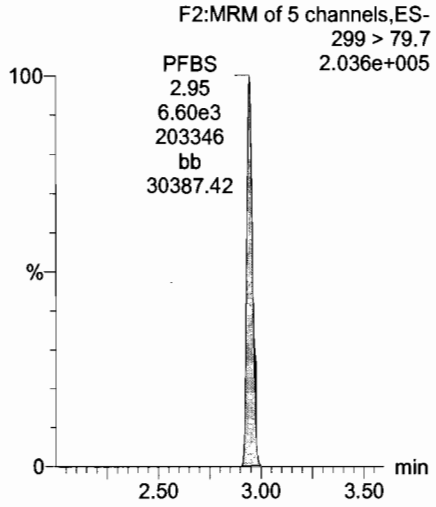


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

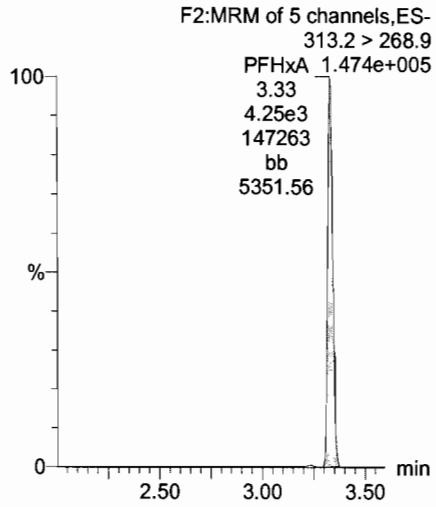
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_7, Date: 15-Oct-2017, Time: 19:51:14, ID: ST171015G2-6 PFC CS2 537 17J1314, Description: PFC CS2 537 17J1314

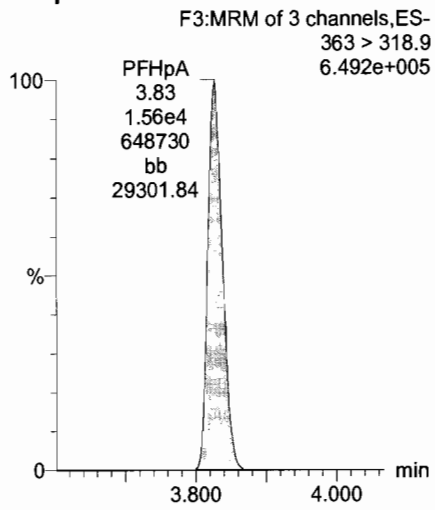
PFBS



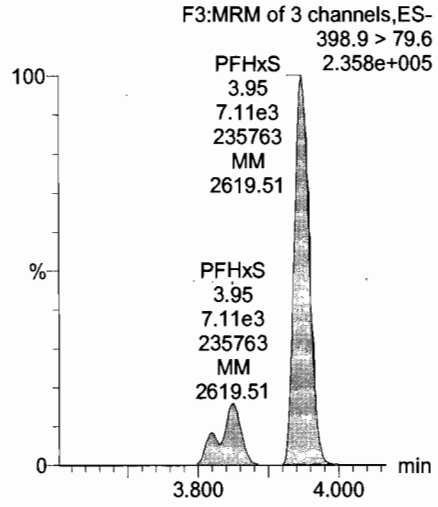
PFHxA



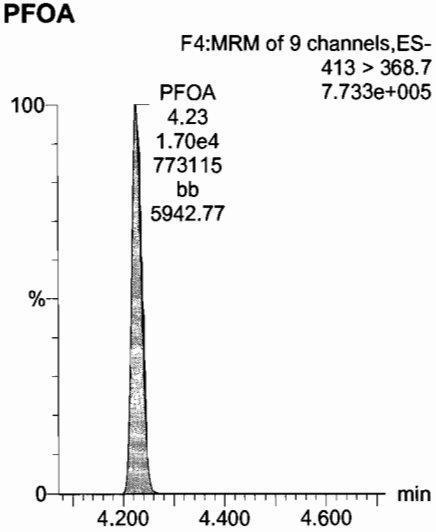
PFHpA



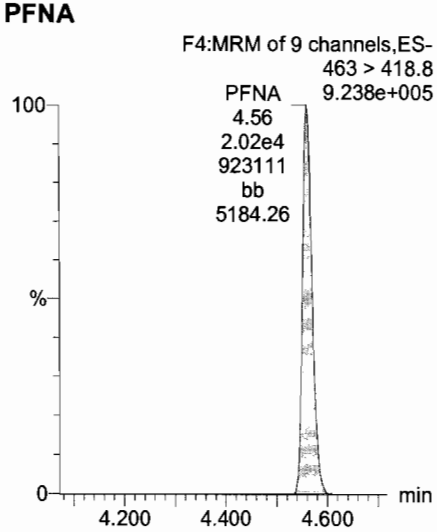
PFHxS



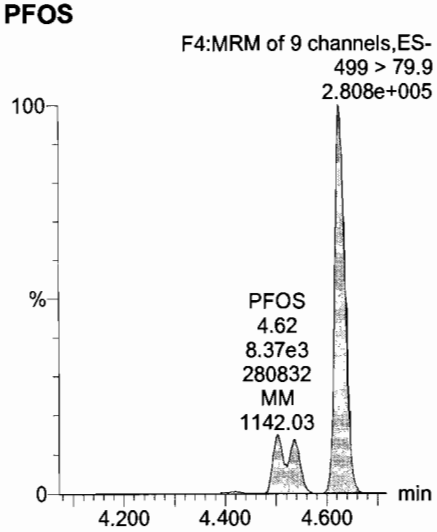
PFOA



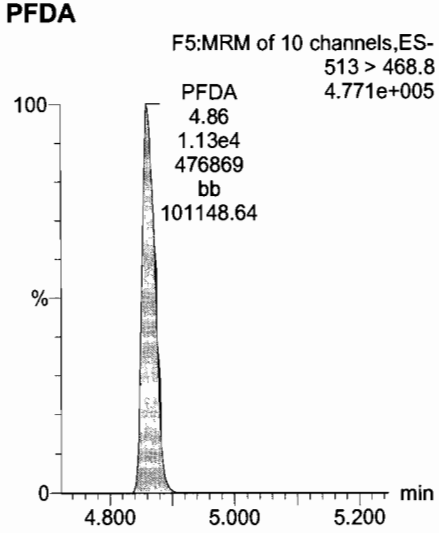
PFNA



PFOS



PFDA

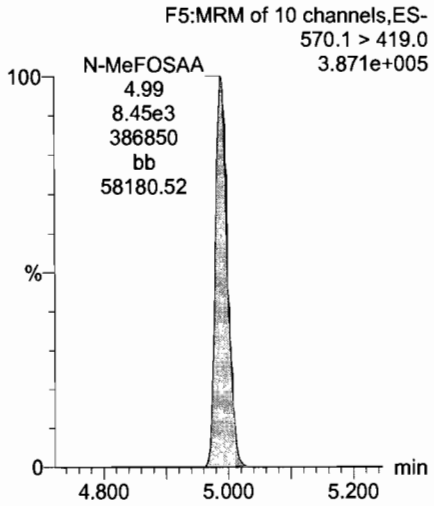


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

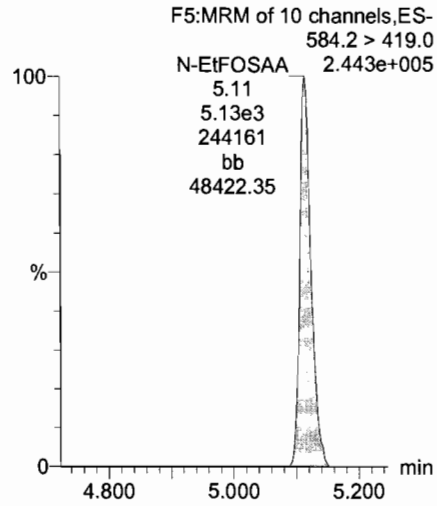
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_7, Date: 15-Oct-2017, Time: 19:51:14, ID: ST171015G2-6 PFC CS2 537 17J1314, Description: PFC CS2 537 17J1314

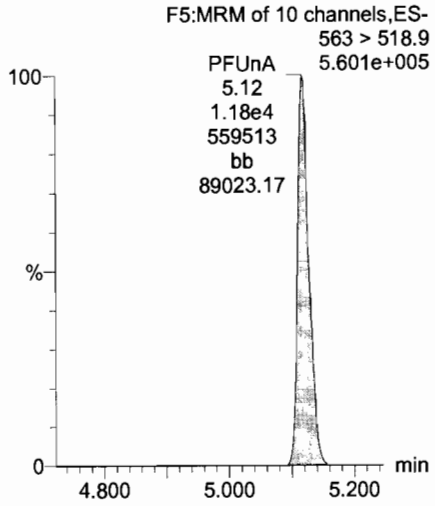
N-MeFOSAA



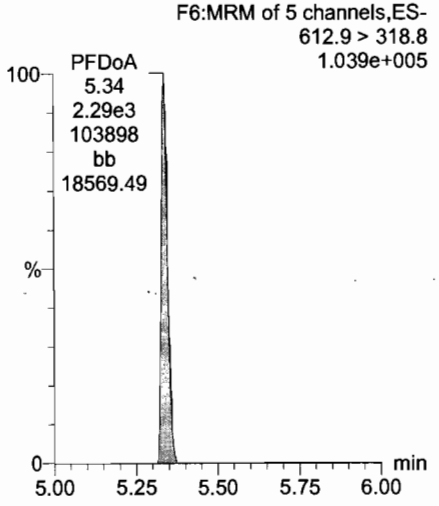
N-EtFOSAA



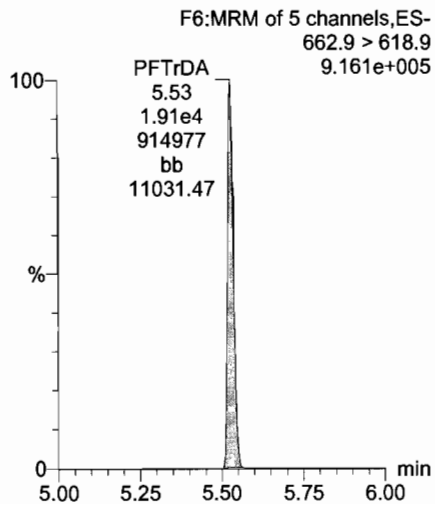
PFUnA



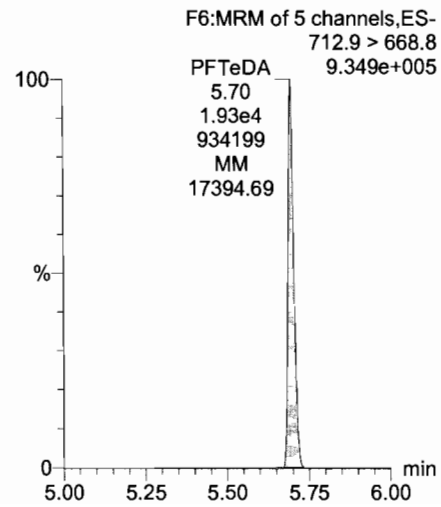
PFDoA



PFTrDA



PFTeDA

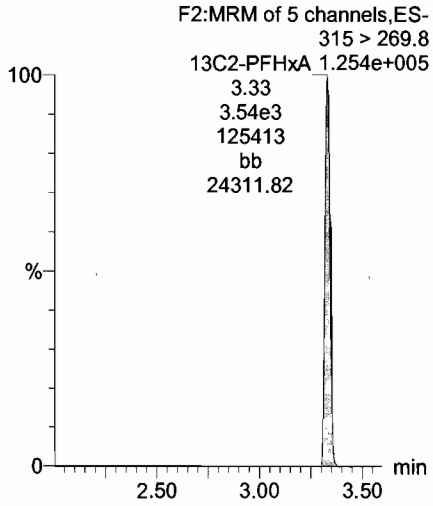


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

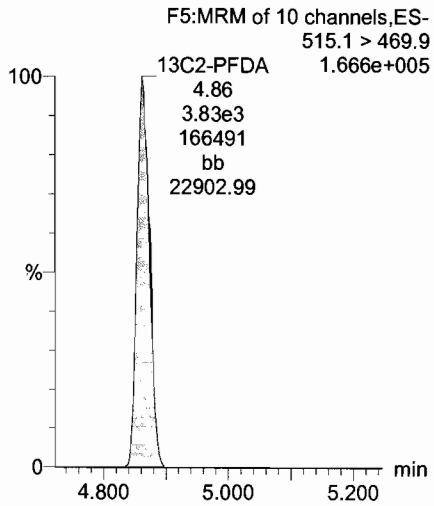
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_7, Date: 15-Oct-2017, Time: 19:51:14, ID: ST171015G2-6 PFC CS2 537 17J1314, Description: PFC CS2 537 17J1314

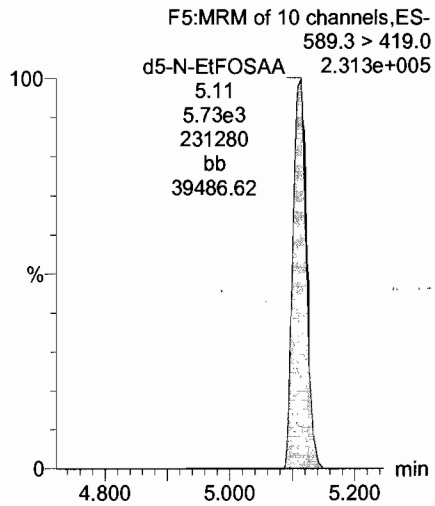
13C2-PFHxA



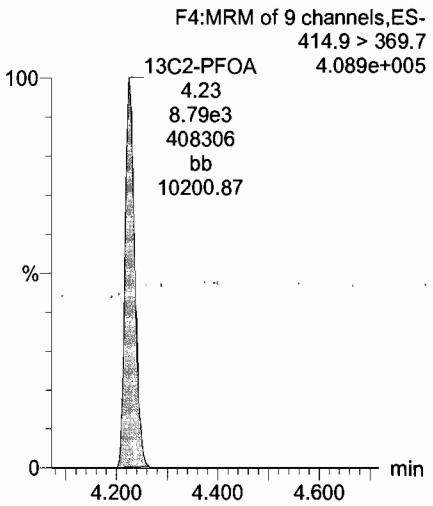
13C2-PFDA



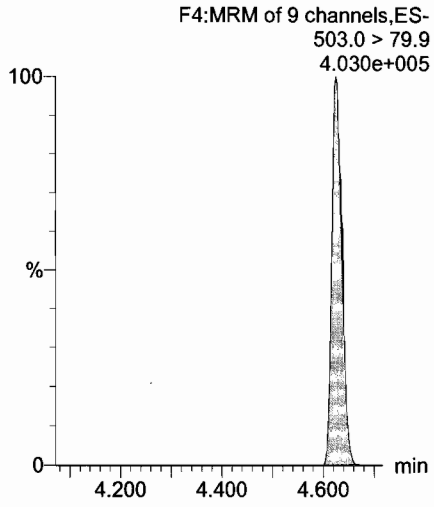
d5-N-EtFOSAA



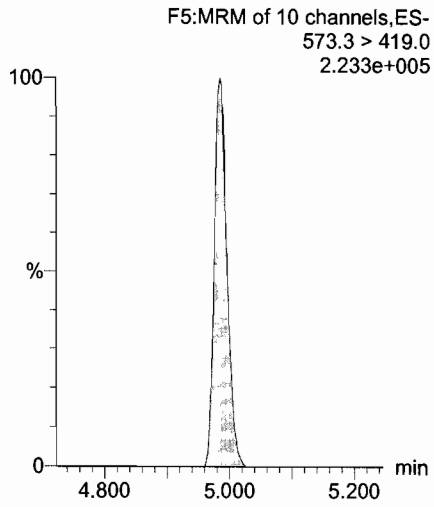
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA

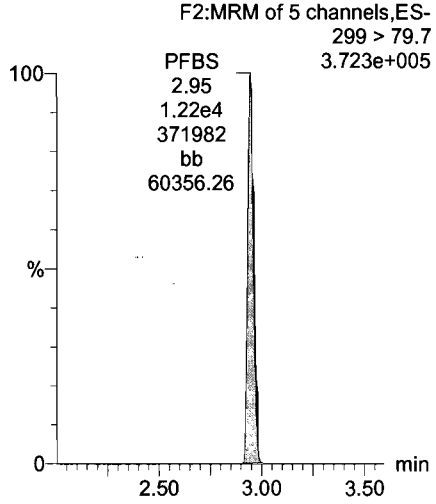


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

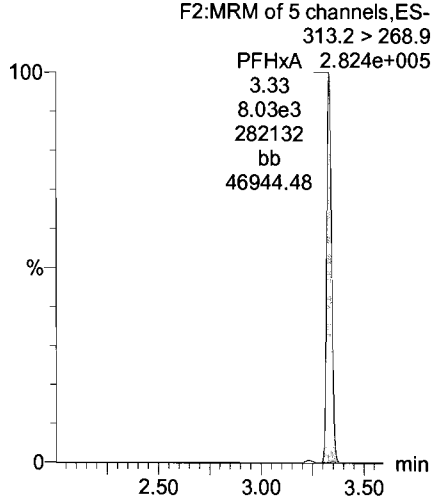
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_8, Date: 15-Oct-2017, Time: 20:03:38, ID: ST171015G2-7 PFC CS3 537 17J1315, Description: PFC CS3 537 17J1315

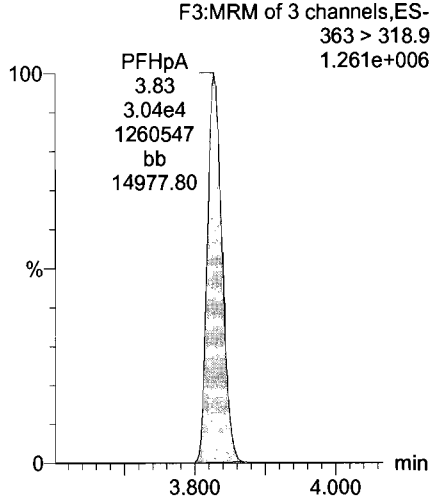
PFBS



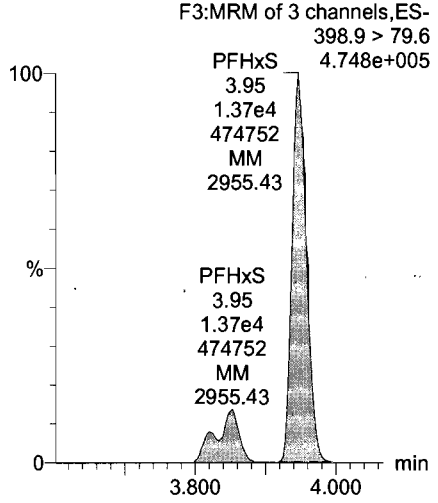
PFHxA



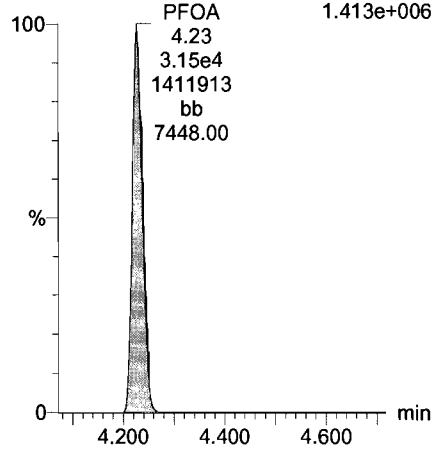
PFHpA



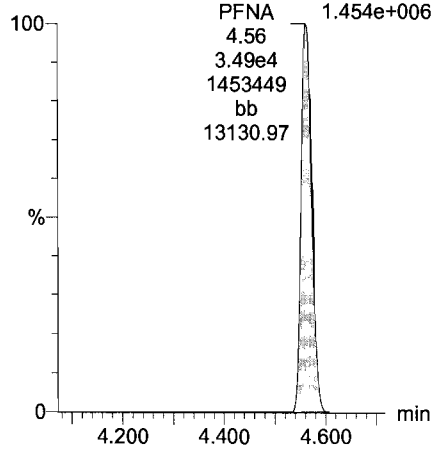
PFHxS



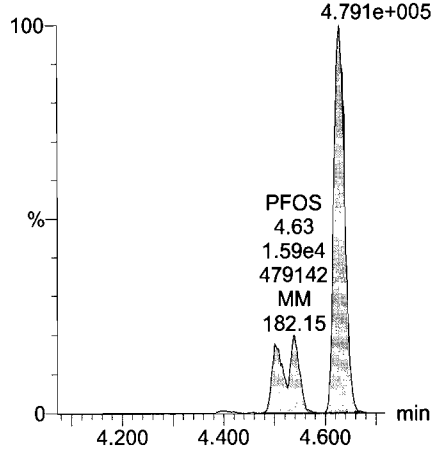
PFOA



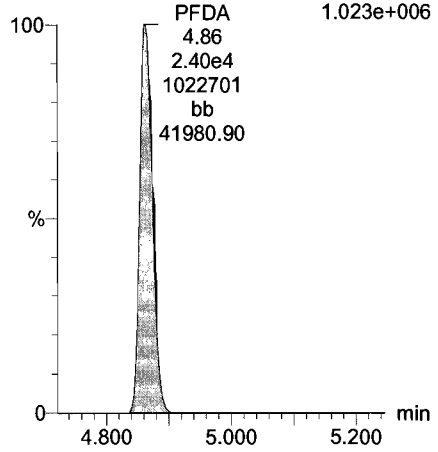
PFNA



PFOS



PFDA

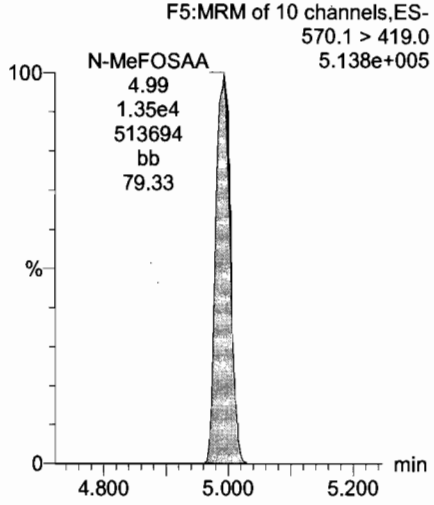


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

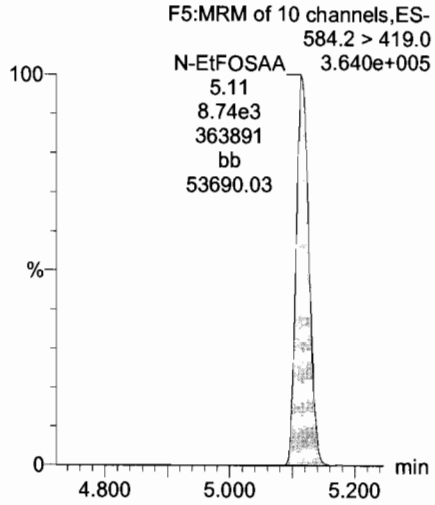
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_8, Date: 15-Oct-2017, Time: 20:03:38, ID: ST171015G2-7 PFC CS3 537 17J1315, Description: PFC CS3 537 17J1315

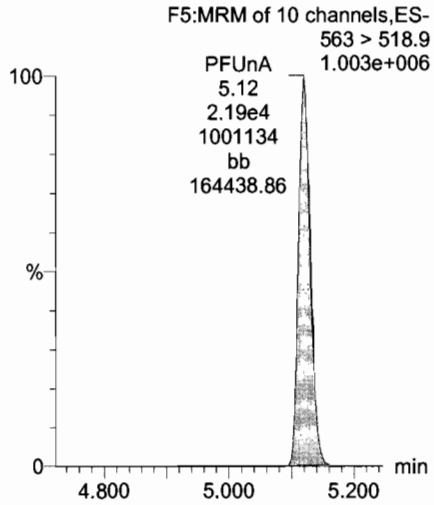
N-MeFOSAA



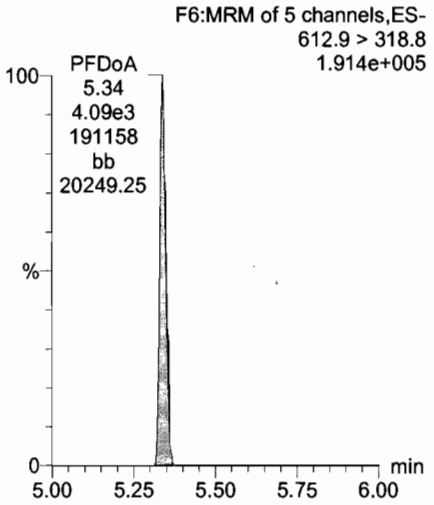
N-EtFOSAA



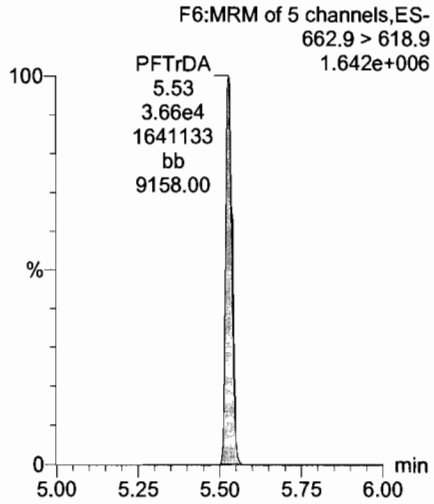
PFUnA



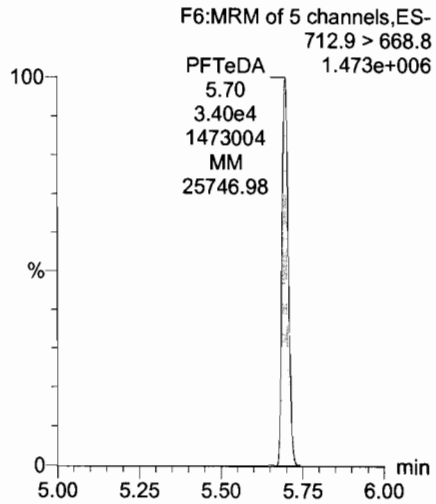
PFDoA



PFTrDA



PFTeDA

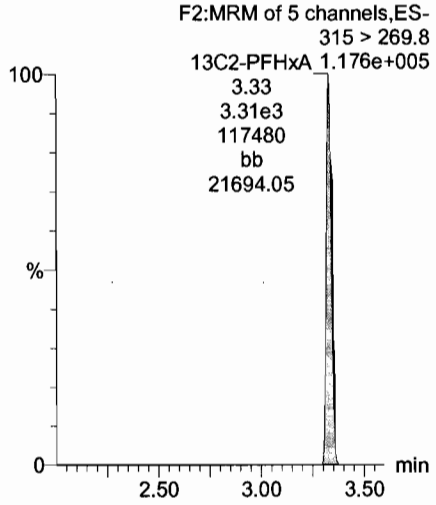


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

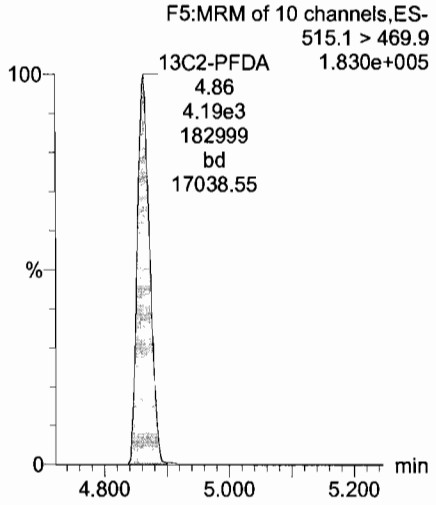
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_8, Date: 15-Oct-2017, Time: 20:03:38, ID: ST171015G2-7 PFC CS3 537 17J1315, Description: PFC CS3 537 17J1315

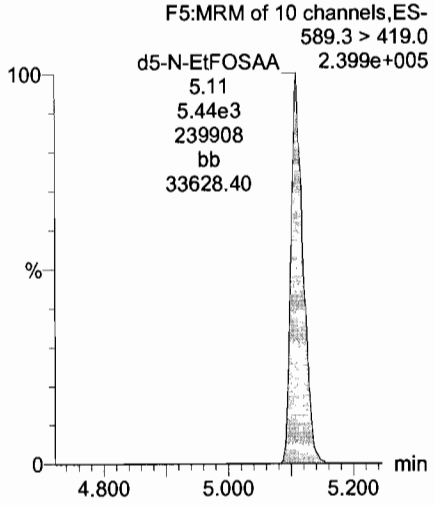
13C2-PFHxA



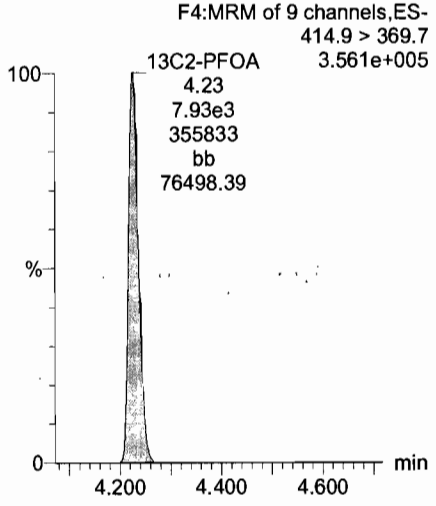
13C2-PFDA



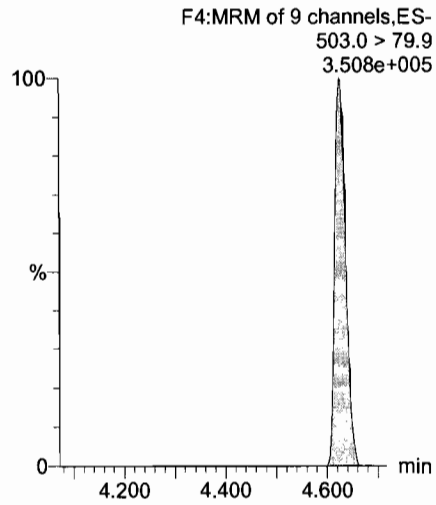
d5-N-EtFOSAA



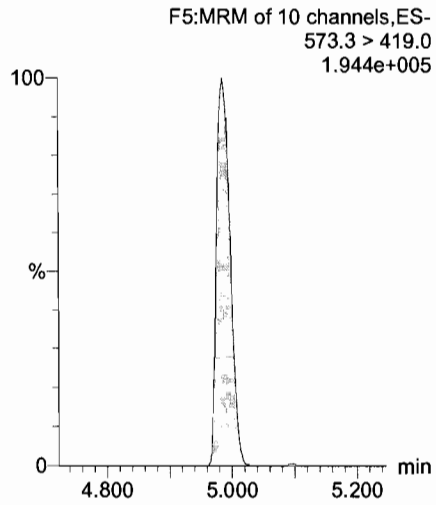
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA

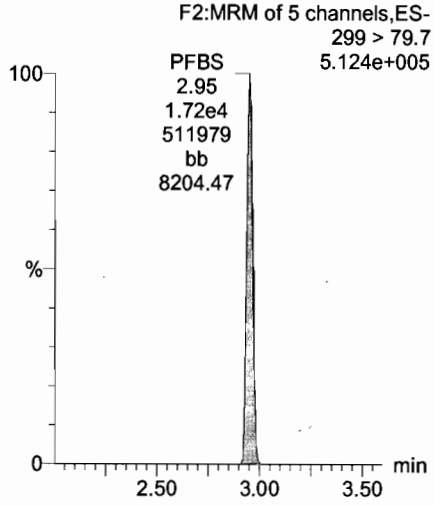


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

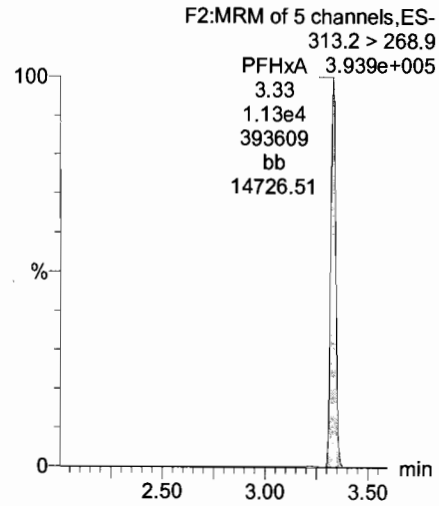
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_9, Date: 15-Oct-2017, Time: 20:16:12, ID: ST171015G2-8 PFC CS4 537 17J1316, Description: PFC CS4 537 17J1316

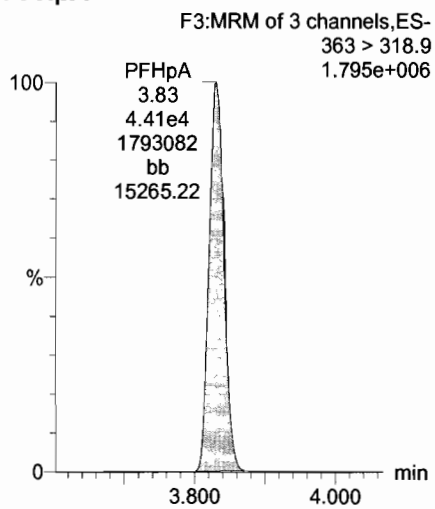
PFBS



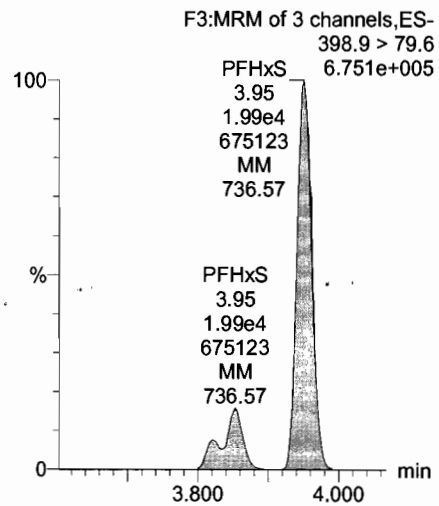
PFHxA



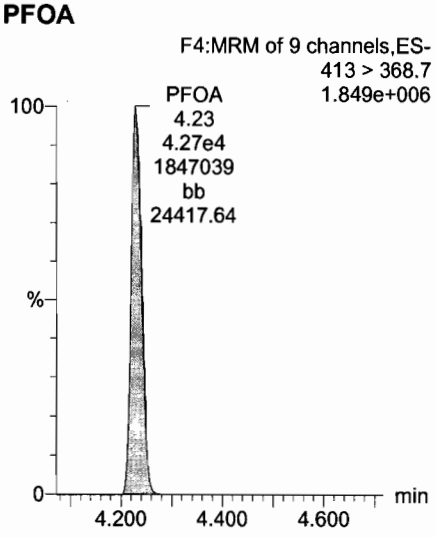
PFHpA



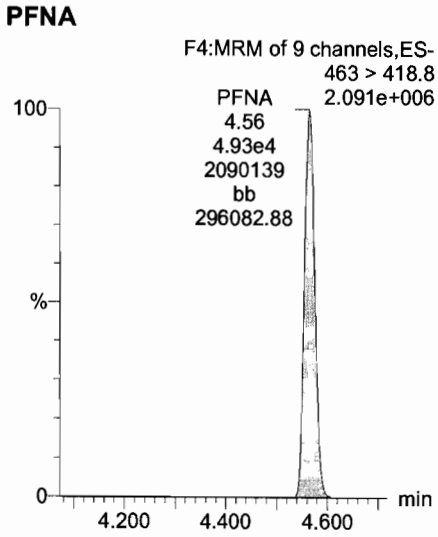
PFHxS



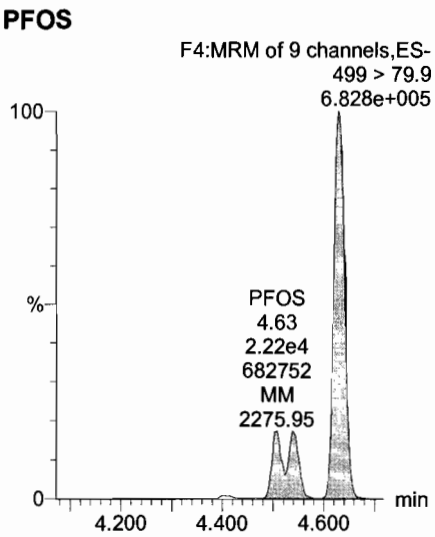
PFOA



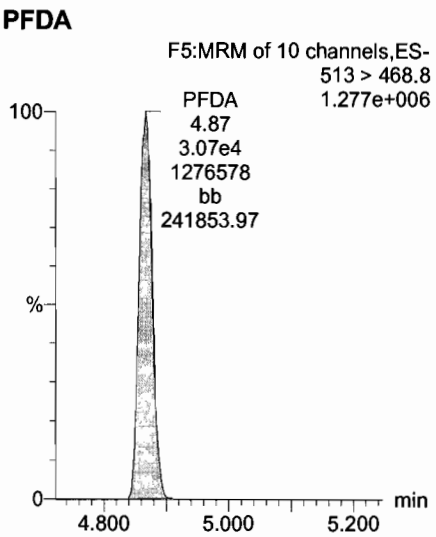
PFNA



PFOS



PFDA

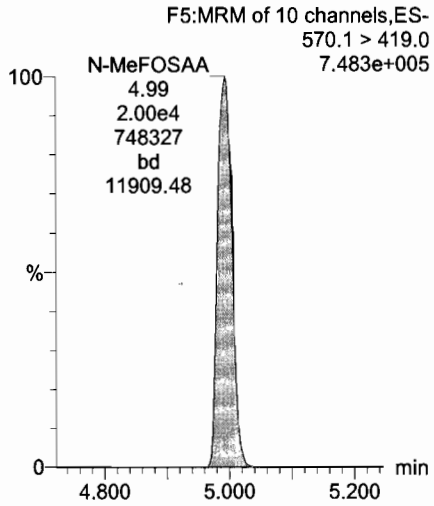


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

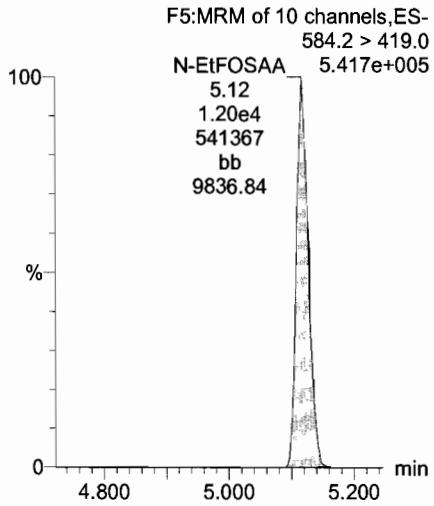
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_9, Date: 15-Oct-2017, Time: 20:16:12, ID: ST171015G2-8 PFC CS4 537 17J1316, Description: PFC CS4 537 17J1316

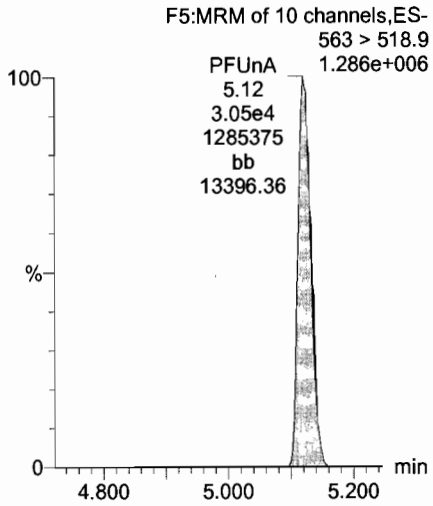
N-MeFOSAA



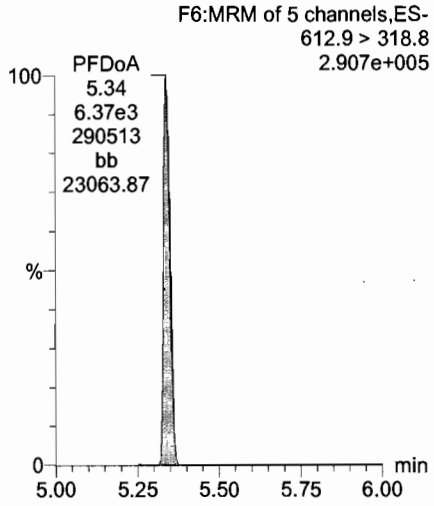
N-EtFOSAA



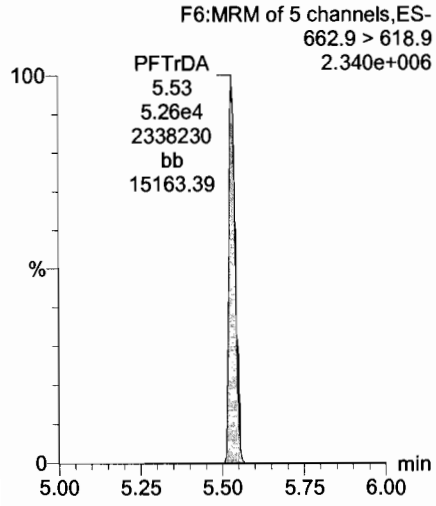
PFUnA



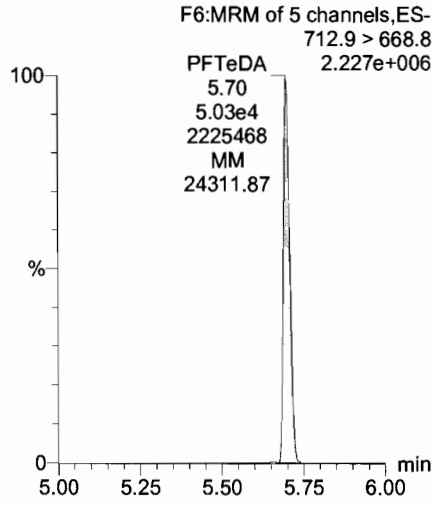
PFDoA



PFTrDA



PFTeDA

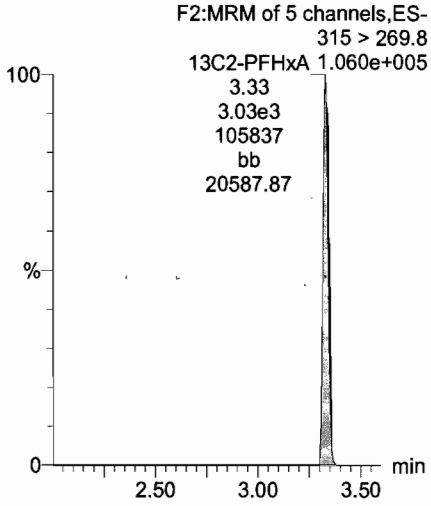


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

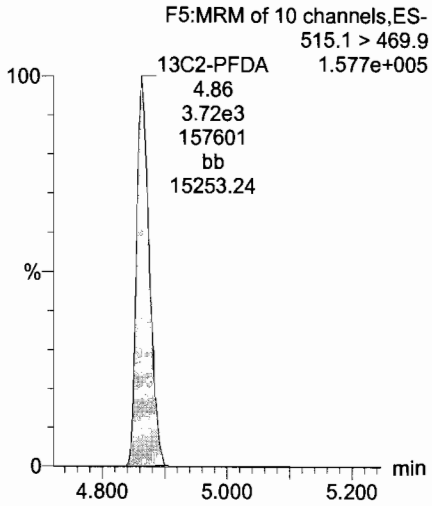
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_9, Date: 15-Oct-2017, Time: 20:16:12, ID: ST171015G2-8 PFC CS4 537 17J1316, Description: PFC CS4 537 17J1316

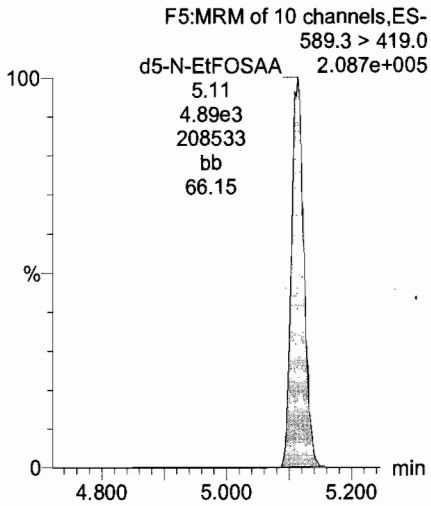
13C2-PFHxA



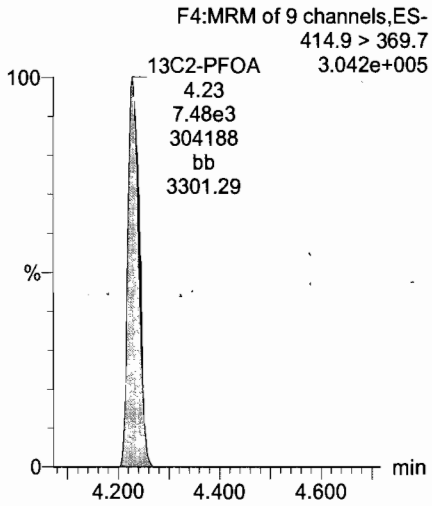
13C2-PFDA



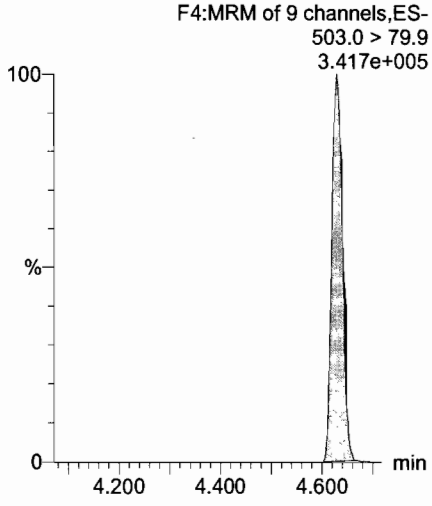
d5-N-EtFOSAA



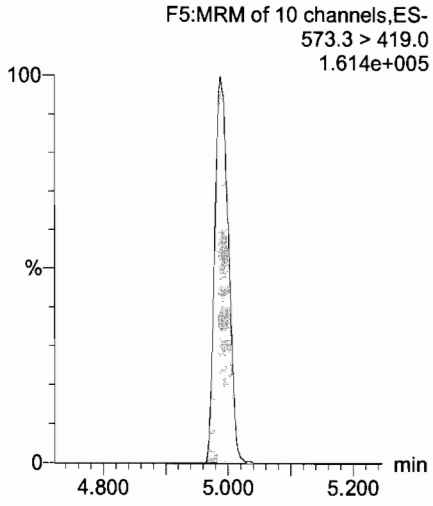
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA

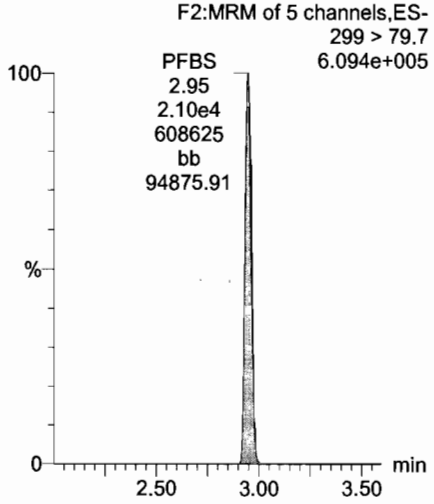


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

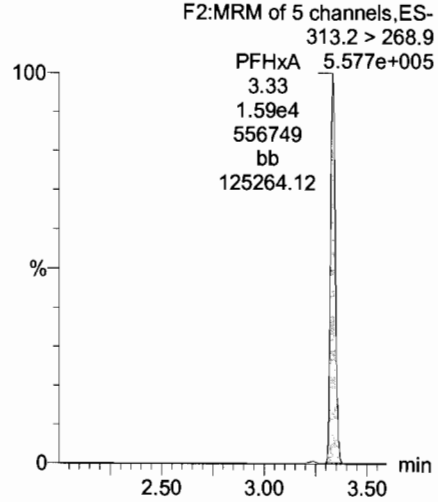
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_10, Date: 15-Oct-2017, Time: 20:28:41, ID: ST171015G2-9 PFC CS5 537 17J1317, Description: PFC CS5 537 17J1317

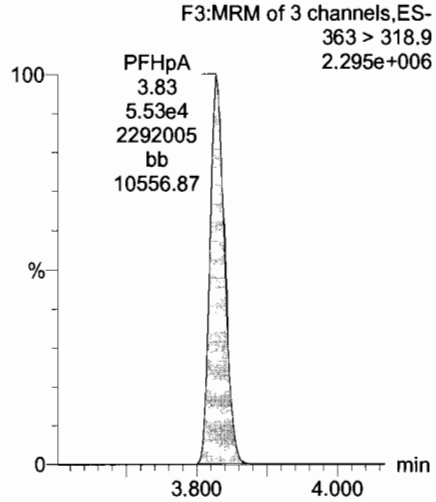
PFBS



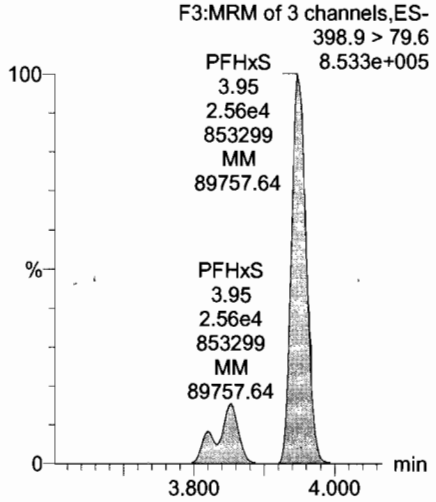
PFHxA



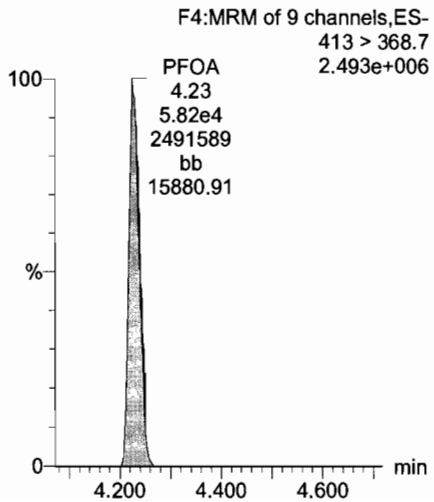
PFHpA



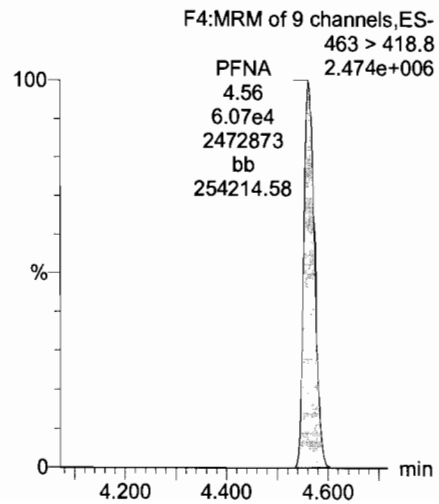
PFHxS



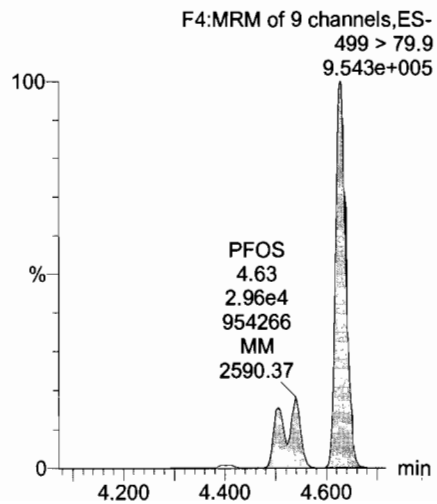
PFOA



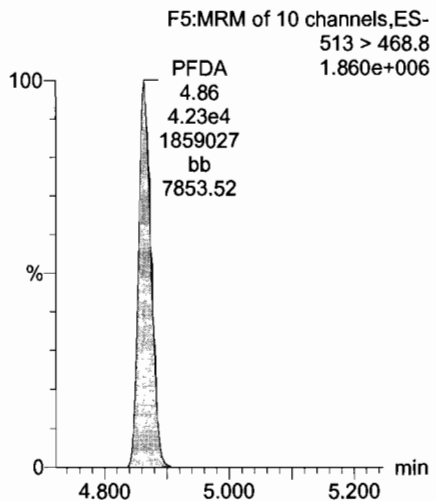
PFNA



PFOS



PFDA

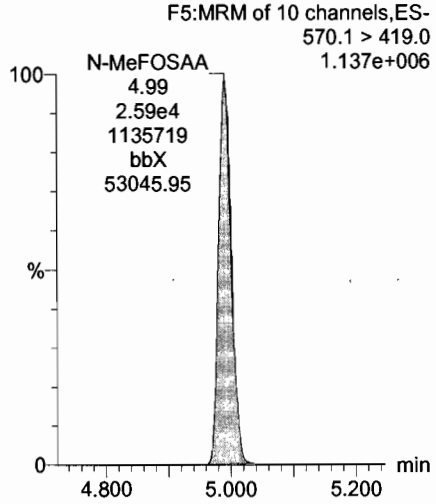


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

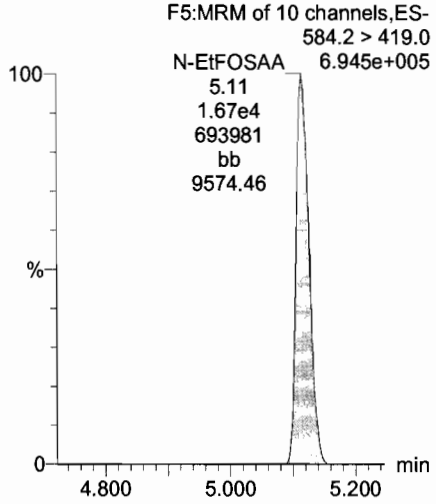
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_10, Date: 15-Oct-2017, Time: 20:28:41, ID: ST171015G2-9 PFC CS5 537 17J1317, Description: PFC CS5 537 17J1317

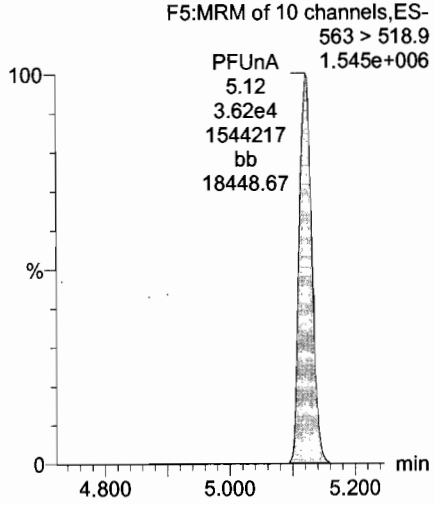
N-MeFOSAA



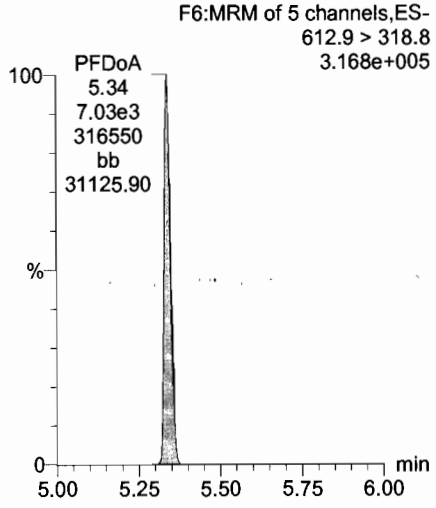
N-EtFOSAA



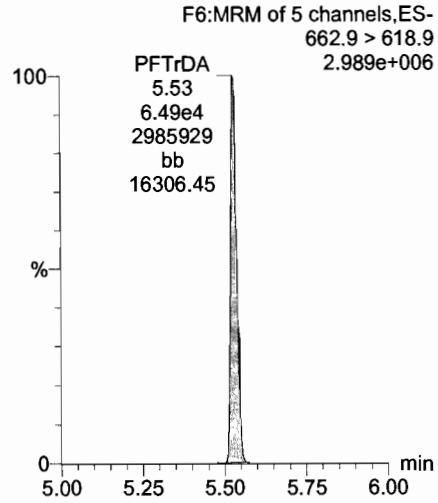
PFUnA



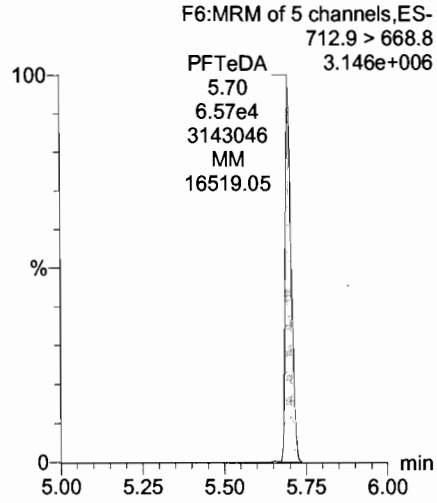
PFDoA



PFTrDA



PFTeDA

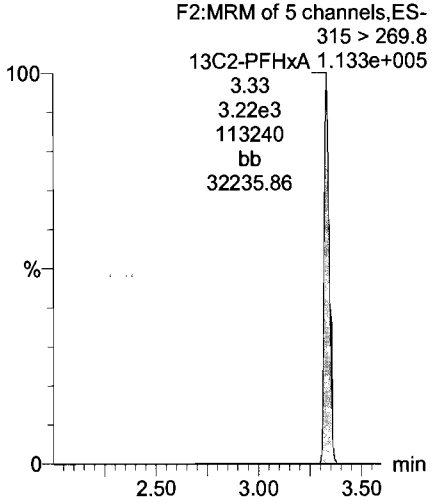


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-CRV.qld

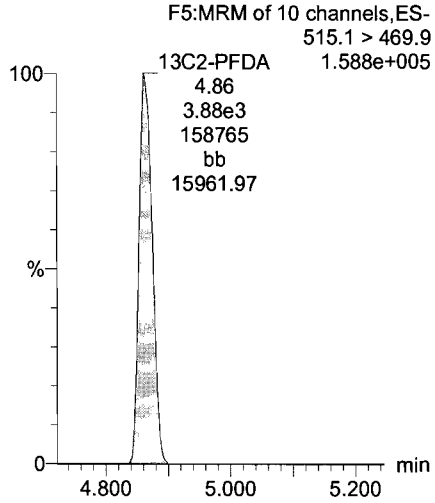
Last Altered: Sunday, October 29, 2017 13:48:48 Pacific Daylight Time
Printed: Sunday, October 29, 2017 13:50:25 Pacific Daylight Time

Name: 171015G2_10, Date: 15-Oct-2017, Time: 20:28:41, ID: ST171015G2-9 PFC CS5 537 17J1317, Description: PFC CS5 537 17J1317

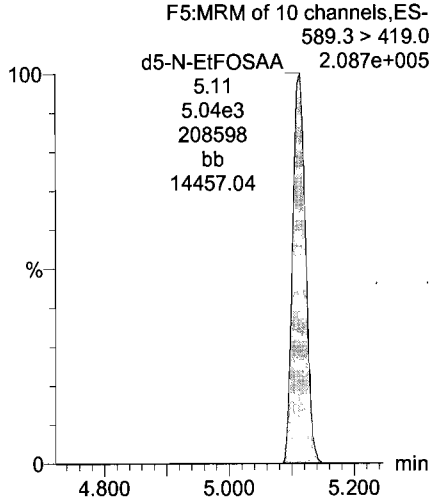
13C2-PFHxA



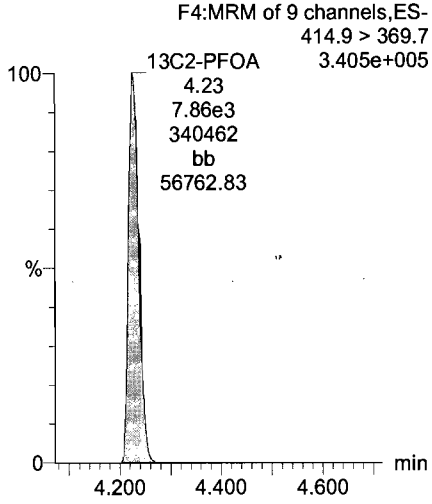
13C2-PFDA



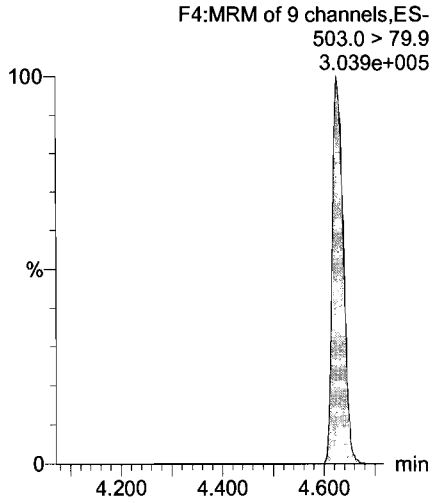
d5-N-EtFOSAA



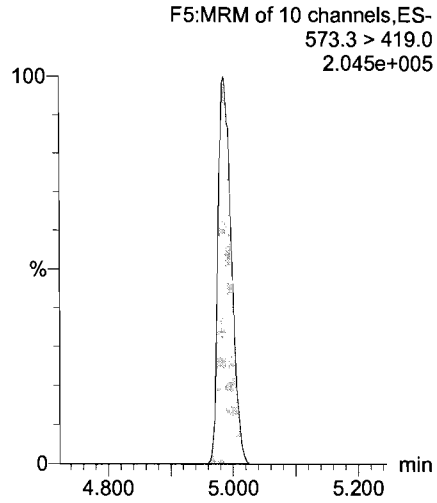
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA



Vista Analytical Laboratory

Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-12.qld

Last Altered: Sunday, October 29, 2017 14:08:23 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:08:45 Pacific Daylight Time

AC 10/29/17

✓ JA. 10/30/2017

Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_12, Date: 15-Oct-2017, Time: 20:53:29, ID: ICV171015G2-1 PFC ICV 537 17J1307, Description: PFC ICV 537 17J1307

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBS	299 > 79.7	3.05e3	9.03e3	1.0000		2.91	2.95	9.69	10.666	106.7
2	2	PFHxA	313.2 > 268.9	1.76e3	8.65e3	1.0000		3.32	3.33	2.03	10.040	100.4
3	3	PFHpA	363 > 318.9	6.82e3	8.65e3	1.0000		3.82	3.83	7.88	10.597	106.0
4	4	PFHxS	398.9 > 79.6	3.25e3	9.03e3	1.0000		3.94	3.95	10.3	10.059	100.6
5	5	PFOA	413 > 368.7	7.35e3	8.65e3	1.0000		4.23	4.23	8.50	11.164	111.6
6	6	PFNA	463 > 418.8	7.32e3	8.65e3	1.0000		4.58	4.56	8.46	10.007	100.1
7	7	PFOS	499 >79.9	3.64e3	9.03e3	1.0000		4.63	4.63	11.6	10.661	106.6
8	8	PFDA	513 > 468.8	5.58e3	8.65e3	1.0000		4.87	4.86	6.45	10.952	109.5
9	9	N-MeFOSAA	570.1 > 419.0	3.06e3	5.70e3	1.0000		5.00	4.99	21.5	9.429	94.3
10	10	N-EtFOSAA	584.2 >419.0	2.06e3	5.70e3	1.0000		5.12	5.11	14.5	10.112	101.1
11	11	PFUnA	563 > 518.9	4.99e3	8.65e3	1.0000		5.14	5.12	5.76	11.234	112.3
12	12	PFDoA	612.9 > 318.8	9.52e2	8.65e3	1.0000		5.37	5.33	1.10	9.570	95.7
13	13	PFTrDA	662.9 > 618.9	7.92e3	8.65e3	1.0000		5.57	5.53	9.16	9.611	96.1
14	14	PFTeDA	712.9 > 668.8	8.01e3	8.65e3	1.0000		0.06	5.70	9.26	10.668	106.7
15	15	13C2-PFHxA	315 > 269.8	3.61e3	8.65e3	1.0000	0.422	3.32	3.33	4.17	9.886	98.9
16	16	13C2-PFDA	515.1 > 469.9	4.25e3	8.65e3	1.0000	0.491	4.87	4.86	4.92	10.018	100.2
17	17	d5-N-EtFOSAA	589.3 > 419.0	5.85e3	5.70e3	1.0000	1.110	4.99	5.11	41.0	36.935	92.3
18	18	13C2-PFOA	414.9 > 369.7	8.65e3	8.65e3	1.0000	1.000	4.17	4.23	10.0	10.000	100.0
19	19	13C4-PFOS	503.0 > 79.9	9.03e3	9.03e3	1.0000	1.000	4.58	4.63	28.7	28.700	100.0
20	20	d3-N-MeFOSAA	573.3 > 419.0	5.70e3	5.70e3	1.0000	1.000	4.94	4.99	40.0	40.000	100.0

70-130

Vista Analytical Laboratory

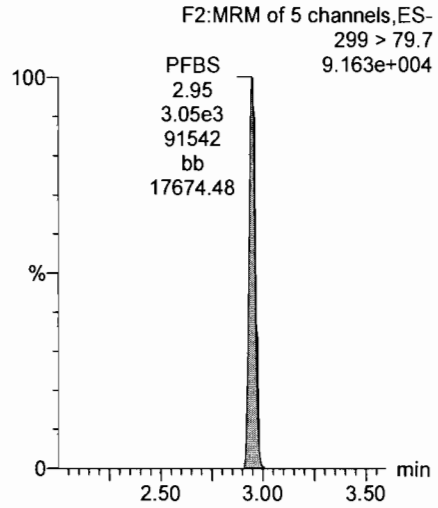
Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-12.qld

Last Altered: Sunday, October 29, 2017 14:08:23 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:08:45 Pacific Daylight Time

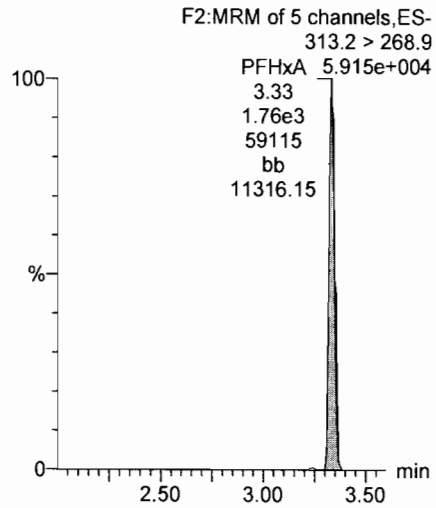
Method: U:\G1.PRO\MethDB\PFAS_DW_L14_1023.mdb 23 Oct 2017 08:35:16
Calibration: U:\G1.PRO\CurveDB\C18_537_Q1_10-15-17_L14.cdb 29 Oct 2017 13:48:48

Name: 171015G2_12, Date: 15-Oct-2017, Time: 20:53:29, ID: ICV171015G2-1 PFC ICV 537 17J1307, Description: PFC ICV 537 17J1307

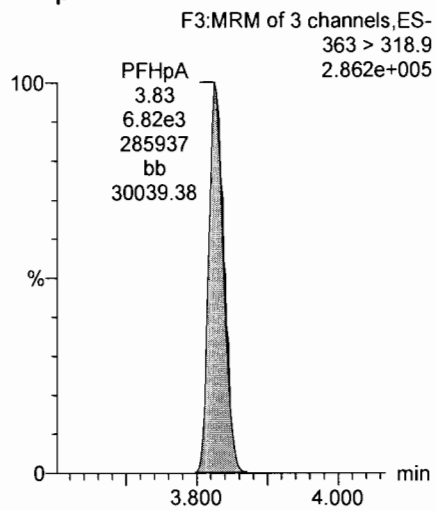
PFBS



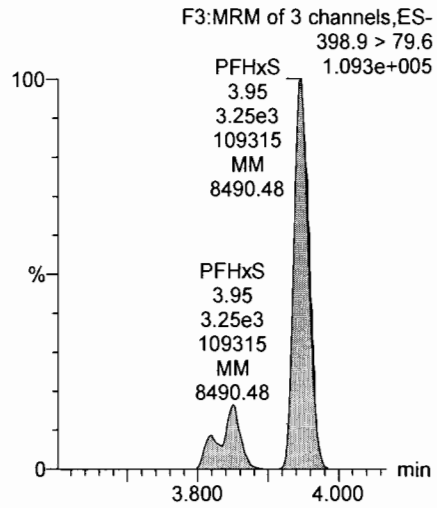
PFHxA



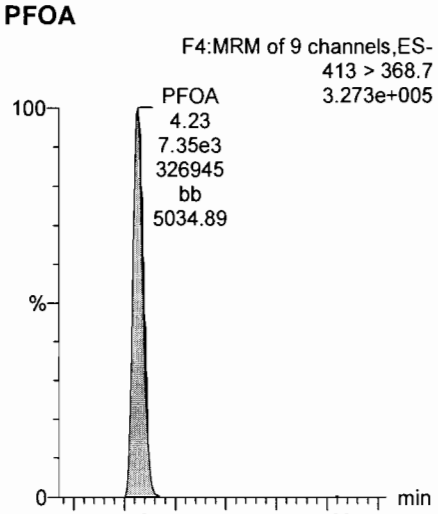
PFHpA



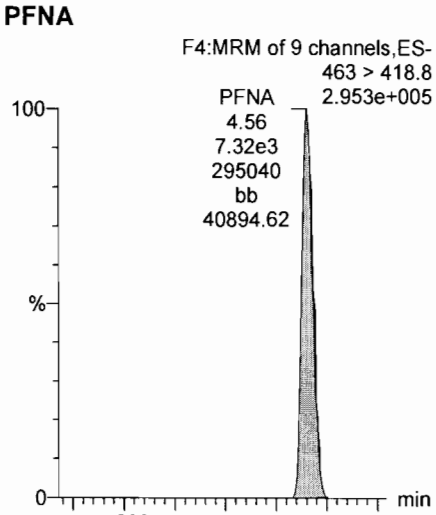
PFHxS



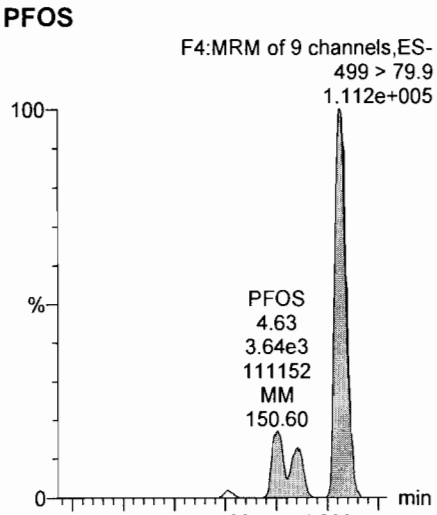
PFOA



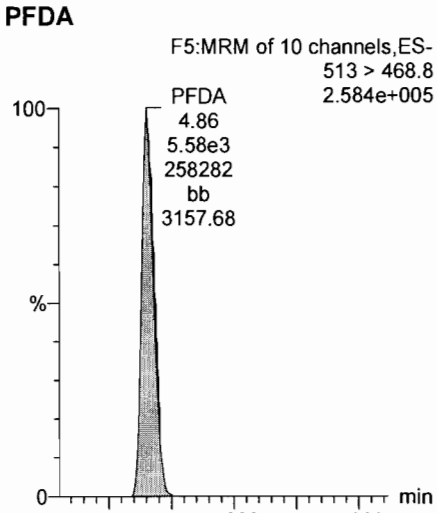
PFNA



PFOS



PFDA

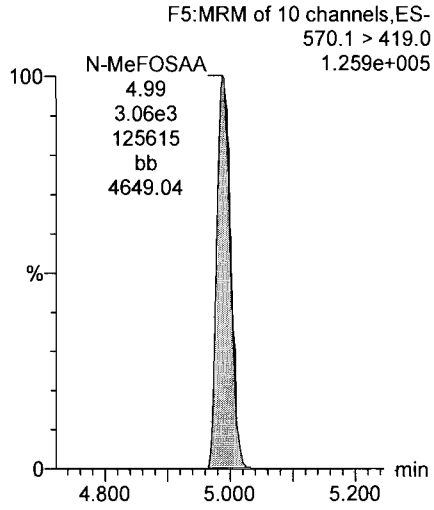


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-12.qld

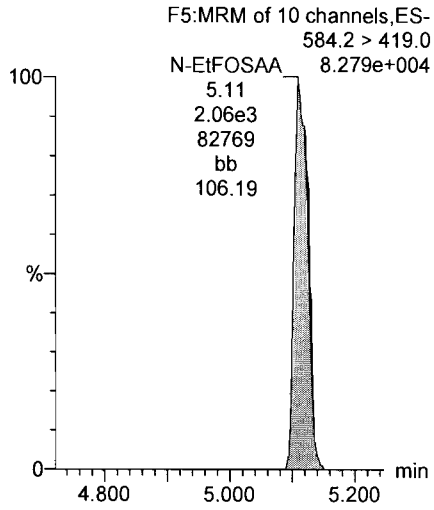
Last Altered: Sunday, October 29, 2017 14:08:23 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:08:45 Pacific Daylight Time

Name: 171015G2_12, Date: 15-Oct-2017, Time: 20:53:29, ID: ICV171015G2-1 PFC ICV 537 17J1307, Description: PFC ICV 537 17J1307

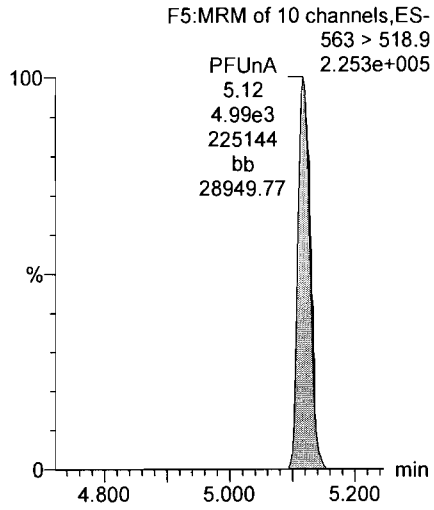
N-MeFOSAA



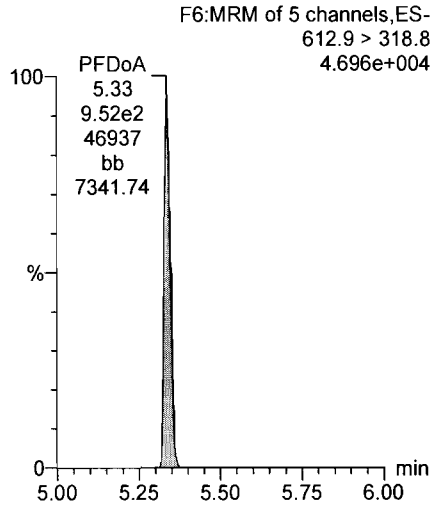
N-EtFOSAA



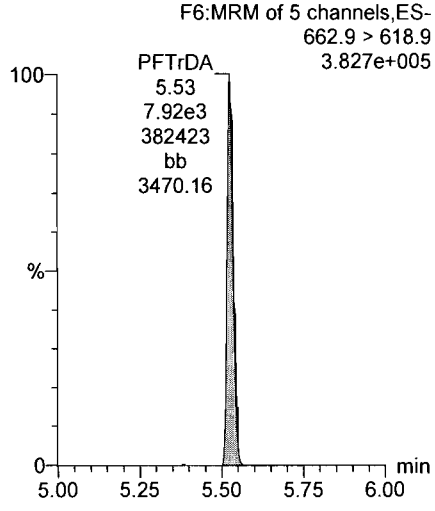
PFUnA



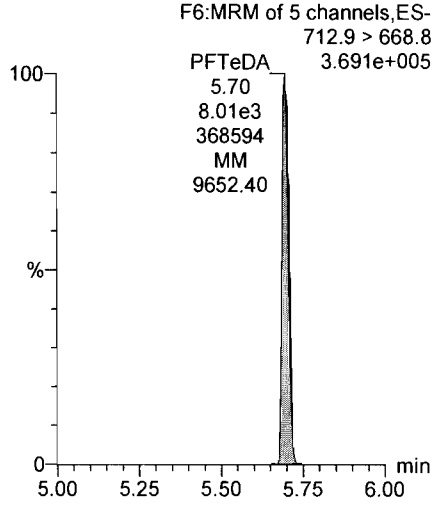
PFDoA



PFTrDA



PFTeDA

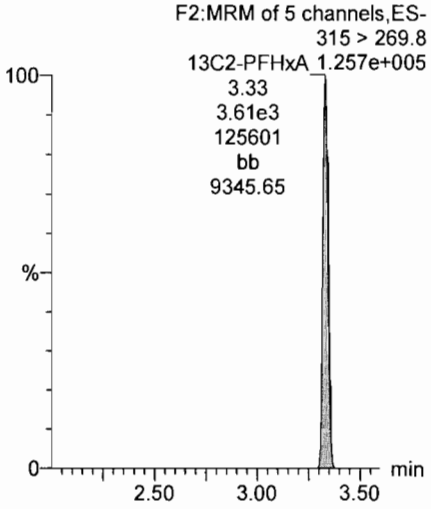


Dataset: U:\G1.PRO\Results\2017\171015G2\171015G2-12.qld

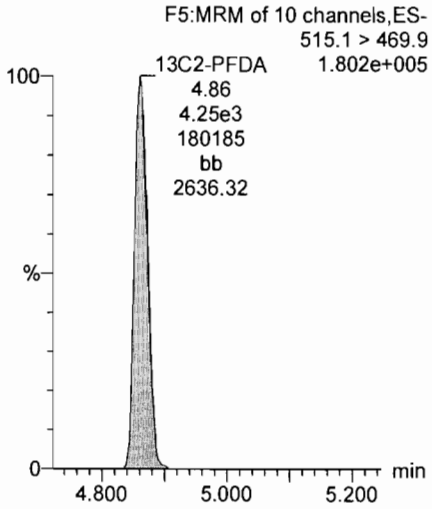
Last Altered: Sunday, October 29, 2017 14:08:23 Pacific Daylight Time
Printed: Sunday, October 29, 2017 14:08:45 Pacific Daylight Time

Name: 171015G2_12, Date: 15-Oct-2017, Time: 20:53:29, ID: ICV171015G2-1 PFC ICV 537 17J1307, Description: PFC ICV 537 17J1307

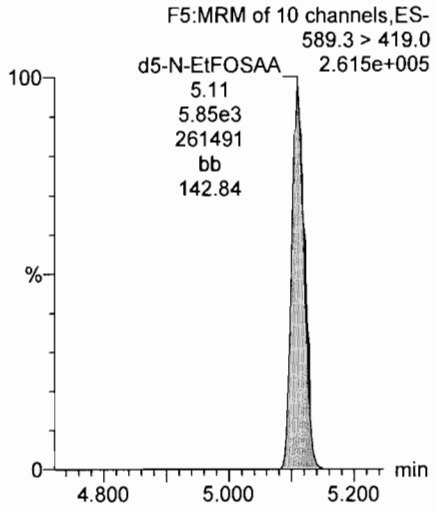
13C2-PFHxA



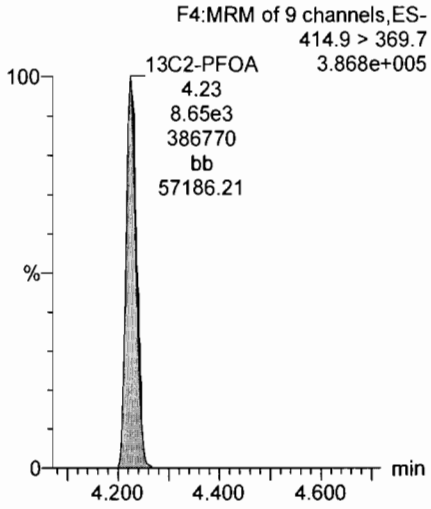
13C2-PFDA



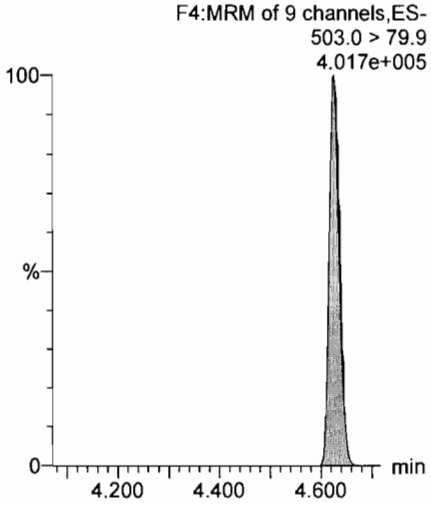
d5-N-EtFOSAA



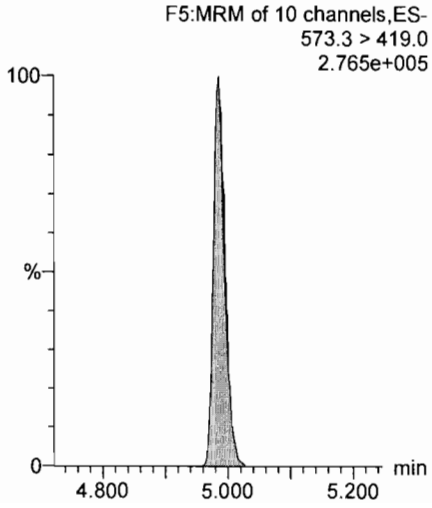
13C2-PFOA



13C4-PFOS



d3-N-MeFOSAA



Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 10:28:44
Calibration: 17 Oct 2017 11:28:55 C18_VAL-PFAS_Q4_10-16-17-F011

✓ AC 10/17/17

DM 10/17/17

Compound name: PFBA
Coefficient of Determination: R^2 = 0.999572
Calibration curve: -0.000411668 * x^2 + 1.04647 * x + 0.0547373
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	1.33	333.429	11728.625	0.355	0.3	14.9	NO	1.000	NO	MM
2	2	171016M4_3	Standard	0.500	1.33	559.642	11848.306	0.590	0.5	2.4	NO	1.000	NO	MM
3	3	171016M4_4	Standard	1.000	1.33	1349.162	14449.060	1.167	1.1	6.3	NO	1.000	NO	MM
4	4	171016M4_5	Standard	2.000	1.32	2029.976	11753.589	2.159	2.0	0.6	NO	1.000	NO	MM
5	5	171016M4_6	Standard	5.000	1.33	5412.994	12987.589	5.210	4.9	-1.3	NO	1.000	NO	MM
6	6	171016M4_7	Standard	10.000	1.34	11151.855	13381.808	10.417	9.9	-0.6	NO	1.000	NO	MM
7	7	171016M4_8	Standard	50.000	1.34	50133.840	12681.843	49.415	48.1	-3.8	NO	1.000	NO	MM
8	8	171016M4_9	Standard	100.000	1.34	98675.047	11957.216	103.154	102.7	2.7	NO	1.000	NO	MM
9	9	171016M4_10	Standard	250.000	1.34	214822.719	11411.888	235.306	249.2	-0.3	NO	1.000	NO	MM

Compound name: PFPeA
Correlation coefficient: r = 0.997805, r^2 = 0.995614
Calibration curve: 0.968078 * x + 0.0559229
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	2.61	390.554	19590.783	0.249	0.2	-20.1	NO	0.996	NO	MM
2	2	171016M4_3	Standard	0.500	2.61	807.948	20618.980	0.490	0.4	-10.4	NO	0.996	NO	bb
3	3	171016M4_4	Standard	1.000	2.62	2208.673	25167.559	1.097	1.1	7.5	NO	0.996	NO	MM
4	4	171016M4_5	Standard	2.000	2.62	3358.125	20619.998	2.036	2.0	2.3	NO	0.996	NO	MM
5	5	171016M4_6	Standard	5.000	2.62	8671.551	21593.574	5.020	5.1	2.6	NO	0.996	NO	MM
6	6	171016M4_7	Standard	10.000	2.63	18879.176	22930.807	10.291	10.6	5.7	NO	0.996	NO	MM
7	7	171016M4_8	Standard	50.000	2.62	88720.500	20689.076	53.603	55.3	10.6	NO	0.996	NO	bb
8	8	171016M4_9	Standard	100.000	2.62	173086.859	20870.457	103.667	107.0	7.0	NO	0.996	NO	bb
9	9	171016M4_10	Standard	250.000	2.63	355174.344	19350.715	229.432	236.9	-5.2	NO	0.996	NO	bd

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: PFBS
Correlation coefficient: r = 0.998182, r^2 = 0.996368
Calibration curve: 0.93521 * x + 0.0450504
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	2.87	82.295	4883.474	0.211	0.2	-29.2	NO	0.996	NO	bb
2	2	171016M4_3	Standard	0.500	2.87	162.484	4604.463	0.441	0.4	-15.3	NO	0.996	NO	MM
3	3	171016M4_4	Standard	1.000	2.87	491.791	5530.735	1.111	1.1	14.0	NO	0.996	NO	MM
4	4	171016M4_5	Standard	2.000	2.86	768.584	4723.321	2.034	2.1	6.3	NO	0.996	NO	bb
5	5	171016M4_6	Standard	5.000	2.86	1988.619	4922.857	5.049	5.4	7.0	NO	0.996	NO	bb
6	6	171016M4_7	Standard	10.000	2.86	4051.500	5117.916	9.895	10.5	5.3	NO	0.996	NO	bb
7	7	171016M4_8	Standard	50.000	2.87	19869.066	4711.646	52.713	56.3	12.6	NO	0.996	NO	bb
8	8	171016M4_9	Standard	100.000	2.87	35847.617	4631.044	96.759	103.4	3.4	NO	0.996	NO	bd
9	9	171016M4_10	Standard	250.000	2.86	75335.344	4207.534	223.811	239.3	-4.3	NO	0.996	NO	MM

Compound name: PFHxA
Correlation coefficient: r = 0.999045, r^2 = 0.998090
Calibration curve: 1.45126 * x + 0.127244
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	3.11	786.065	8946.491	0.439	0.2	-14.0	NO	0.998	NO	MM
2	2	171016M4_3	Standard	0.500	3.11	1510.117	8251.397	0.915	0.5	8.6	NO	0.998	NO	MM
3	3	171016M4_4	Standard	1.000	3.11	3053.909	10657.372	1.433	0.9	-10.0	NO	0.998	NO	MM
4	4	171016M4_5	Standard	2.000	3.11	5367.680	8337.552	3.219	2.1	6.5	NO	0.998	NO	bb
5	5	171016M4_6	Standard	5.000	3.11	12559.935	8688.480	7.228	4.9	-2.1	NO	0.998	NO	MM
6	6	171016M4_7	Standard	10.000	3.12	27883.680	9177.506	15.191	10.4	3.8	NO	0.998	NO	bb
7	7	171016M4_8	Standard	50.000	3.12	127873.031	8378.512	76.310	52.5	5.0	NO	0.998	NO	MM
8	8	171016M4_9	Standard	100.000	3.12	260628.219	8488.543	153.518	105.7	5.7	NO	0.998	NO	bb
9	9	171016M4_10	Standard	250.000	3.12	552518.375	7879.445	350.607	241.5	-3.4	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: PFHpA
Correlation coefficient: r = 0.998725, r^2 = 0.997452
Calibration curve: 0.910048 * x + 0.139312
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	3.38	751.728	45310.461	0.207	0.1	-70.1	NO	0.997	NO	MMX
2	2	171016M4_3	Standard	0.500	3.39	1822.604	44246.418	0.515	0.4	-17.5	NO	0.997	NO	bb
3	3	171016M4_4	Standard	1.000	3.38	4673.198	57109.250	1.023	1.0	-2.9	NO	0.997	NO	bb
4	4	171016M4_5	Standard	2.000	3.38	7651.236	46774.039	2.045	2.1	4.7	NO	0.997	NO	bb
5	5	171016M4_6	Standard	5.000	3.39	18275.750	48716.973	4.689	5.0	-0.0	NO	0.997	NO	bb
6	6	171016M4_7	Standard	10.000	3.38	40305.484	51670.020	9.751	10.6	5.6	NO	0.997	NO	bd
7	7	171016M4_8	Standard	50.000	3.39	184691.859	45129.883	51.156	56.1	12.1	NO	0.997	NO	bb
8	8	171016M4_9	Standard	100.000	3.39	353596.750	48019.219	92.046	101.0	1.0	NO	0.997	NO	bb
9	9	171016M4_10	Standard	250.000	3.38	694518.688	39327.934	220.746	242.4	-3.0	NO	0.997	NO	bb

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.999304
Calibration curve: -0.00196542 * x^2 + 2.49413 * x + -0.583613
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	3.46	142.111	2656.383	0.669	0.5	100.9	NO	0.999	NO	bbX
2	2	171016M4_3	Standard	0.500	3.46	168.440	2814.214	0.748	0.5	6.8	NO	0.999	NO	MM
3	3	171016M4_4	Standard	1.000	3.45	556.063	3588.776	1.937	1.0	1.1	NO	0.999	NO	MM
4	4	171016M4_5	Standard	2.000	3.45	914.032	2629.778	4.345	2.0	-1.0	NO	0.999	NO	MM
5	5	171016M4_6	Standard	5.000	3.46	2702.659	2919.923	11.570	4.9	-2.2	NO	0.999	NO	MM
6	6	171016M4_7	Standard	10.000	3.45	5234.704	2821.340	23.192	9.6	-3.9	NO	0.999	NO	MM
7	7	171016M4_8	Standard	50.000	3.46	23629.568	2580.914	114.444	47.9	-4.1	NO	0.999	NO	MM
8	8	171016M4_9	Standard	100.000	3.46	48268.895	2541.378	237.415	103.9	3.9	NO	0.999	NO	MM
9	9	171016M4_10	Standard	250.000	3.46	91227.047	2290.698	497.812	248.5	-0.6	NO	0.999	NO	MM

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.998204
Calibration curve: -0.00362613 * x^2 + 1.12891 * x + -0.0255203
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	3.58	144.364	7741.699	0.233	0.2	-8.3	NO	0.998	NO	bb
2	2	171016M4_3	Standard	0.500	3.57	252.656	7060.236	0.447	0.4	-16.1	NO	0.998	NO	bb
3	3	171016M4_4	Standard	1.000	3.57	935.970	9830.442	1.190	1.1	8.1	NO	0.998	NO	MM
4	4	171016M4_5	Standard	2.000	3.58	1598.039	7995.310	2.498	2.3	12.6	NO	0.998	NO	bb
5	5	171016M4_6	Standard	5.000	3.57	3669.844	8356.274	5.490	5.0	-0.7	NO	0.998	NO	bb
6	6	171016M4_7	Standard	10.000	3.57	8078.925	8621.758	11.713	10.8	7.7	NO	0.998	NO	bb
7	7	171016M4_8	Standard	50.000	3.58	34181.871	9397.943	45.465	47.6	-4.9	NO	0.998	NO	MM
8	8	171016M4_9	Standard	100.000	3.58	60822.297	9814.658	77.464	102.2	2.2	NO	0.998	NO	bb
9	9	171016M4_10	Standard	250.000	3.57	96191.063	9004.797	133.528			NO	0.998	NO	MMXI

Compound name: L-PFOA
Correlation coefficient: r = 0.999096, r^2 = 0.998193
Calibration curve: 0.947972 * x + 0.469792
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	3.58	2771.198	50311.129	0.689	0.2	-7.7	NO	0.998	NO	bb
2	2	171016M4_3	Standard	0.500	3.58	3117.831	47229.859	0.825	0.4	-25.0	NO	0.998	NO	MM
3	3	171016M4_4	Standard	1.000	3.58	7629.860	64255.406	1.484	1.1	7.0	NO	0.998	NO	bb
4	4	171016M4_5	Standard	2.000	3.59	11383.154	54598.828	2.606	2.3	12.7	NO	0.998	NO	bb
5	5	171016M4_6	Standard	5.000	3.59	23605.617	55399.719	5.326	5.1	2.5	NO	0.998	NO	bb
6	6	171016M4_7	Standard	10.000	3.58	49878.348	60568.398	10.294	10.4	3.6	NO	0.998	NO	bb
7	7	171016M4_8	Standard	50.000	3.59	227260.844	56361.945	50.402	52.7	5.3	NO	0.998	NO	bb
8	8	171016M4_9	Standard	100.000	3.59	430519.938	53865.555	99.906	104.9	4.9	NO	0.998	NO	bb
9	9	171016M4_10	Standard	250.000	3.59	694414.875	37795.930	229.659	241.8	-3.3	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.999882
Calibration curve: -9.27459e-005 * x^2 + 0.165226 * x + -0.0072558
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	3.64	141.167	50311.129	0.035	0.3	2.5	NO	1.000	NO	bb
2	2	171016M4_3	Standard	0.500	3.65	249.655	47229.859	0.066	0.4	-11.2	NO	1.000	NO	bb
3	3	171016M4_4	Standard	1.000	3.64	842.062	64255.406	0.164	1.0	3.6	NO	1.000	NO	bb
4	4	171016M4_5	Standard	2.000	3.64	1430.184	54598.828	0.327	2.0	1.4	NO	1.000	NO	bb
5	5	171016M4_6	Standard	5.000	3.65	3853.791	55399.719	0.870	5.3	6.5	NO	1.000	NO	bb
6	6	171016M4_7	Standard	10.000	3.65	7754.084	60568.398	1.600	9.8	-2.2	NO	1.000	NO	bb
7	7	171016M4_8	Standard	50.000	3.65	35833.176	56361.945	7.947	49.5	-1.0	NO	1.000	NO	bd
8	8	171016M4_9	Standard	100.000	3.65	67458.859	53865.555	15.654	100.5	0.5	NO	1.000	NO	MM
9	9	171016M4_10	Standard	250.000	3.65	107314.531	37795.930	35.491	249.9	-0.0	NO	1.000	NO	bb

Compound name: PFNA
Correlation coefficient: r = 0.998261, r^2 = 0.996525
Calibration curve: 1.04944 * x + 0.0896036
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	3.76	1342.182	55776.488	0.301	0.2	-19.5	NO	0.997	NO	bb
2	2	171016M4_3	Standard	0.500	3.76	2748.043	60958.844	0.564	0.5	-9.7	NO	0.997	NO	bb
3	3	171016M4_4	Standard	1.000	3.76	5740.461	61480.887	1.167	1.0	2.7	NO	0.997	NO	bb
4	4	171016M4_5	Standard	2.000	3.76	9840.705	53180.570	2.313	2.1	5.9	NO	0.997	NO	MM
5	5	171016M4_6	Standard	5.000	3.76	25493.496	57153.191	5.576	5.2	4.6	NO	0.997	NO	bb
6	6	171016M4_7	Standard	10.000	3.76	53740.402	60133.945	11.171	10.6	5.6	NO	0.997	NO	MM
7	7	171016M4_8	Standard	50.000	3.76	231398.672	50767.590	56.975	54.2	8.4	NO	0.997	NO	bb
8	8	171016M4_9	Standard	100.000	3.77	437278.406	48761.730	112.096	106.7	6.7	NO	0.997	NO	bb
9	9	171016M4_10	Standard	250.000	3.76	932493.625	46606.496	250.098	238.2	-4.7	NO	0.997	NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: PFOSA
Correlation coefficient: r = 0.999454, r^2 = 0.998909
Calibration curve: 1.08946 * x + 0.0386365
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	3.77	307.350	12655.077	0.304	0.2	-2.7	NO	0.999	NO	bb
2	2	171016M4_3	Standard	0.500	3.77	582.499	13350.514	0.545	0.5	-7.0	NO	0.999	NO	bb
3	3	171016M4_4	Standard	1.000	3.76	1426.772	14280.683	1.249	1.1	11.1	NO	0.999	NO	bb
4	4	171016M4_5	Standard	2.000	3.77	2001.003	12361.808	2.023	1.8	-8.9	NO	0.999	NO	MM
5	5	171016M4_6	Standard	5.000	3.77	5518.040	12344.443	5.588	5.1	1.9	NO	0.999	NO	MM
6	6	171016M4_7	Standard	10.000	3.77	11792.019	13159.604	11.201	10.2	2.5	NO	0.999	NO	bb
7	7	171016M4_8	Standard	50.000	3.77	46476.020	10642.969	54.585	50.1	0.1	NO	0.999	NO	bb
8	8	171016M4_9	Standard	100.000	3.77	83435.086	9087.321	114.769	105.3	5.3	NO	0.999	NO	bb
9	9	171016M4_10	Standard	250.000	3.77	168375.797	7903.561	266.297	244.4	-2.2	NO	0.999	NO	bb

Compound name: L-PFOS
Correlation coefficient: r = 0.998801, r^2 = 0.997603
Calibration curve: 1.00192 * x + 0.136894
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	3.81	222.514	11394.560	0.244	0.1	-57.2	NO	0.998	NO	MMX
2	2	171016M4_3	Standard	0.500	3.81	583.730	10742.990	0.679	0.5	8.3	NO	0.998	NO	MM
3	3	171016M4_4	Standard	1.000	3.82	1312.708	11471.085	1.430	1.3	29.1	NO	0.998	NO	MM
4	4	171016M4_5	Standard	2.000	3.81	1526.308	10340.448	1.845	1.7	-14.8	NO	0.998	NO	MM
5	5	171016M4_6	Standard	5.000	3.81	4510.959	10776.771	5.232	5.1	1.7	NO	0.998	NO	bb
6	6	171016M4_7	Standard	10.000	3.81	9364.248	11167.463	10.482	10.3	3.2	NO	0.998	NO	MM
7	7	171016M4_8	Standard	50.000	3.81	38899.559	10252.145	47.429	47.2	-5.6	NO	0.998	NO	MM
8	8	171016M4_9	Standard	100.000	3.82	78849.992	9151.660	107.699	107.4	7.4	NO	0.998	NO	MM
9	9	171016M4_10	Standard	250.000	3.82	164608.281	8377.835	245.601	245.0	-2.0	NO	0.998	NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: PFDA
Coefficient of Determination: R^2 = 0.999577
Calibration curve: -0.000550358 * x^2 + 1.43504 * x + 0.133654
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171016M4_2	Standard	0.250	3.92	1876.676	49781.777	0.471	0.2	-5.9	NO	1.000	NO	MM
2	2 171016M4_3	Standard	0.500	3.93	3232.166	52835.410	0.765	0.4	-12.0	NO	1.000	NO	MM
3	3 171016M4_4	Standard	1.000	3.93	7762.257	53333.828	1.819	1.2	17.5	NO	1.000	NO	bb
4	4 171016M4_5	Standard	2.000	3.93	11346.818	47549.258	2.983	2.0	-0.6	NO	1.000	NO	bd
5	5 171016M4_6	Standard	5.000	3.93	29699.715	50063.137	7.416	5.1	1.7	NO	1.000	NO	bb
6	6 171016M4_7	Standard	10.000	3.93	58372.023	49927.555	14.614	10.1	1.3	NO	1.000	NO	bb
7	7 171016M4_8	Standard	50.000	3.93	262314.500	48317.875	67.862	48.1	-3.8	NO	1.000	NO	bb
8	8 171016M4_9	Standard	100.000	3.93	505528.094	44827.816	140.964	102.1	2.1	NO	1.000	NO	bb
9	9 171016M4_10	Standard	250.000	3.93	1081173.625	41727.102	323.882	249.5	-0.2	NO	1.000	NO	bb

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.996536
Calibration curve: -0.00545121 * x^2 + 1.43029 * x + 0.0646656
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171016M4_2	Standard	0.250	3.92	226.052	7159.738	0.395	0.2	-7.6	NO	0.997	NO	bb
2	2 171016M4_3	Standard	0.500	3.92	357.014	7169.887	0.622	0.4	-21.9	NO	0.997	NO	bb
3	3 171016M4_4	Standard	1.000	3.92	1134.870	7426.636	1.910	1.3	29.7	NO	0.997	NO	bb
4	4 171016M4_5	Standard	2.000	3.92	1599.873	5920.082	3.378	2.3	16.9	NO	0.997	NO	bb
5	5 171016M4_6	Standard	5.000	3.92	3746.732	6719.914	6.969	4.9	-1.6	NO	0.997	NO	bd
6	6 171016M4_7	Standard	10.000	3.93	7310.933	6225.508	14.679	10.7	6.5	NO	0.997	NO	bb
7	7 171016M4_8	Standard	50.000	3.93	31662.021	7167.257	55.220	47.0	-6.1	NO	0.997	NO	bb
8	8 171016M4_9	Standard	100.000	3.93	59340.656	8255.161	89.854	104.0	4.0	NO	0.997	NO	bb
9	9 171016M4_10	Standard	250.000	3.92	129376.406	10533.908	153.524			NO	0.997	NO	MMXI

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.999559
Calibration curve: -0.00930486 * x^2 + 20.1709 * x + -3.71166
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	3.96	393.498	11731.917	5.450	0.5	81.7	NO	1.000	NO	bbX
2	2	171016M4_3	Standard	0.500	3.96	444.810	11657.727	6.200	0.5	-1.7	NO	1.000	NO	bb
3	3	171016M4_4	Standard	1.000	3.95	1582.226	13621.439	18.876	1.1	12.0	NO	1.000	NO	bb
4	4	171016M4_5	Standard	2.000	3.96	2218.898	10882.829	33.132	1.8	-8.6	NO	1.000	NO	bb
5	5	171016M4_6	Standard	5.000	3.96	7123.283	12189.830	94.959	4.9	-1.9	NO	1.000	NO	bb
6	6	171016M4_7	Standard	10.000	3.96	14682.495	11915.996	200.227	10.2	1.6	NO	1.000	NO	bb
7	7	171016M4_8	Standard	50.000	3.96	60861.992	10447.680	946.629	48.2	-3.6	NO	1.000	NO	bb
8	8	171016M4_9	Standard	100.000	3.97	120601.844	9963.188	1967.021	102.6	2.6	NO	1.000	NO	bb
9	9	171016M4_10	Standard	250.000	3.96	259767.703	9495.100	4445.688	249.2	-0.3	NO	1.000	NO	bb

Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.999517
Calibration curve: -0.00570746 * x^2 + 13.8788 * x + -0.345326
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	4.02	279.772	13961.296	3.256	0.3	3.8	NO	1.000	NO	bb
2	2	171016M4_3	Standard	0.500	4.03	515.131	13397.992	6.248	0.5	-5.0	NO	1.000	NO	bb
3	3	171016M4_4	Standard	1.000	4.02	1171.344	13987.815	13.608	1.0	0.6	NO	1.000	NO	bb
4	4	171016M4_5	Standard	2.000	4.03	2021.035	12402.951	26.479	1.9	-3.3	NO	1.000	NO	bb
5	5	171016M4_6	Standard	5.000	4.03	5864.221	14301.358	66.633	4.8	-3.3	NO	1.000	NO	bb
6	6	171016M4_7	Standard	10.000	4.03	11586.657	13942.586	135.042	9.8	-2.1	NO	1.000	NO	bb
7	7	171016M4_8	Standard	50.000	4.03	50499.988	12523.810	655.252	48.2	-3.6	NO	1.000	NO	bb
8	8	171016M4_9	Standard	100.000	4.03	98807.953	11698.349	1372.526	103.3	3.3	NO	1.000	NO	bb
9	9	171016M4_10	Standard	250.000	4.03	230309.969	12069.611	3100.793	248.9	-0.4	NO	1.000	NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: PFUnA
Coefficient of Determination: R^2 = 0.999282
Calibration curve: -0.000531893 * x^2 + 0.725067 * x + -0.00896491
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	4.09	1103.029	75452.906	0.183	0.3	5.8	NO	0.999	NO	MM
2	2	171016M4_3	Standard	0.500	4.09	2183.013	68511.641	0.398	0.6	12.4	NO	0.999	NO	bb
3	3	171016M4_4	Standard	1.000	4.10	4475.359	77546.141	0.721	1.0	0.8	NO	0.999	NO	bb
4	4	171016M4_5	Standard	2.000	4.10	7156.800	63667.160	1.405	2.0	-2.3	NO	0.999	NO	MM
5	5	171016M4_6	Standard	5.000	4.10	18123.738	70375.664	3.219	4.5	-10.7	NO	0.999	NO	bb
6	6	171016M4_7	Standard	10.000	4.10	39723.543	74331.578	6.680	9.3	-7.1	NO	0.999	NO	bb
7	7	171016M4_8	Standard	50.000	4.10	167365.516	60933.531	34.334	49.1	-1.7	NO	0.999	NO	bb
8	8	171016M4_9	Standard	100.000	4.10	301862.969	54410.574	69.348	103.5	3.5	NO	0.999	NO	bb
9	9	171016M4_10	Standard	250.000	4.10	704136.063	59757.230	147.291	248.4	-0.6	NO	0.999	NO	bb

Compound name: PFDS
Coefficient of Determination: R^2 = 0.999072
Calibration curve: -0.000187305 * x^2 + 0.170236 * x + -0.0174243
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	4.14	216.574	75452.906	0.036	0.3	25.3	NO	0.999	NO	bb
2	2	171016M4_3	Standard	0.500	4.14	407.092	68511.641	0.074	0.5	7.8	NO	0.999	NO	bb
3	3	171016M4_4	Standard	1.000	4.14	732.273	77546.141	0.118	0.8	-20.4	NO	0.999	NO	bb
4	4	171016M4_5	Standard	2.000	4.15	1575.474	63667.160	0.309	1.9	-3.8	NO	0.999	NO	bb
5	5	171016M4_6	Standard	5.000	4.15	4518.055	70375.664	0.802	4.8	-3.2	NO	0.999	NO	bb
6	6	171016M4_7	Standard	10.000	4.14	9293.097	74331.578	1.563	9.4	-6.2	NO	0.999	NO	bb
7	7	171016M4_8	Standard	50.000	4.14	38064.688	60933.531	7.809	48.6	-2.9	NO	0.999	NO	bb
8	8	171016M4_9	Standard	100.000	4.15	68260.586	54410.574	15.682	104.2	4.2	NO	0.999	NO	bb
9	9	171016M4_10	Standard	250.000	4.15	146590.516	59757.230	30.664	247.8	-0.9	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999758
Calibration curve: -1.10883e-005 * x^2 + 1.0586 * x + 0.091095
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	4.25	1762.981	71018.109	0.310	0.2	-17.2	NO	1.000	NO	MM
2	2	171016M4_3	Standard	0.500	4.25	3574.486	70862.313	0.631	0.5	1.9	NO	1.000	NO	MM
3	3	171016M4_4	Standard	1.000	4.25	7128.043	78285.773	1.138	1.0	-1.1	NO	1.000	NO	bb
4	4	171016M4_5	Standard	2.000	4.26	10874.089	58808.547	2.311	2.1	4.9	NO	1.000	NO	MM
5	5	171016M4_6	Standard	5.000	4.26	31139.252	66940.102	5.815	5.4	8.1	NO	1.000	NO	bb
6	6	171016M4_7	Standard	10.000	4.25	58675.293	65839.445	11.140	10.4	4.4	NO	1.000	NO	bb
7	7	171016M4_8	Standard	50.000	4.25	254795.109	59826.031	53.237	50.2	0.5	NO	1.000	NO	bb
8	8	171016M4_9	Standard	100.000	4.26	498376.125	59913.836	103.978	98.2	-1.8	NO	1.000	NO	bb
9	9	171016M4_10	Standard	250.000	4.26	1140770.250	53867.422	264.717	250.6	0.3	NO	1.000	NO	MM

Compound name: N-MeFOSA
Correlation coefficient: r = 0.996857, r^2 = 0.993724
Calibration curve: 0.953763 * x + 1.09822
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	1.250	4.16	520.134	58875.473	1.325	0.2	-81.0	NO	0.994	NO	bbX
2	2	171016M4_3	Standard	2.500	4.16	1165.045	59084.512	2.958	1.9	-22.0	NO	0.994	NO	bb
3	3	171016M4_4	Standard	5.000	4.16	2510.008	62609.738	6.013	5.2	3.1	NO	0.994	NO	bb
4	4	171016M4_5	Standard	10.000	4.16	4050.060	50515.223	12.026	11.5	14.6	NO	0.994	NO	bb
5	5	171016M4_6	Standard	25.000	4.16	11202.899	56363.344	29.814	30.1	20.4	NO	0.994	NO	bb
6	6	171016M4_7	Standard	50.000	4.16	22452.799	58110.137	57.958	59.6	19.2	NO	0.994	NO	bb
7	7	171016M4_8	Standard	250.000	4.16	90521.617	51524.125	263.532	275.2	10.1	NO	0.994	NO	bb
8	8	171016M4_9	Standard	500.000	4.17	168398.203	49572.688	509.549	533.1	6.6	NO	0.994	NO	bb
9	9	171016M4_10	Standard	1250.000	4.17	360064.031	48107.563	1122.684	1176.0	-5.9	NO	0.994	NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.999362
Calibration curve: -0.000344026 * x^2 + 1.01721 * x + -0.0196622
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	4.41	1253.835	71018.109	0.221	0.2	-5.5	NO	0.999	NO	MM
2	2	171016M4_3	Standard	0.500	4.42	2448.689	70862.313	0.432	0.4	-11.2	NO	0.999	NO	MM
3	3	171016M4_4	Standard	1.000	4.41	6219.912	78285.773	0.993	1.0	-0.4	NO	0.999	NO	bb
4	4	171016M4_5	Standard	2.000	4.42	10479.844	58808.547	2.228	2.2	10.5	NO	0.999	NO	bd
5	5	171016M4_6	Standard	5.000	4.42	26949.787	66940.102	5.032	5.0	-0.5	NO	0.999	NO	bb
6	6	171016M4_7	Standard	10.000	4.41	57032.836	65839.445	10.828	10.7	7.0	NO	0.999	NO	bd
7	7	171016M4_8	Standard	50.000	4.42	246310.813	59826.031	51.464	51.5	3.0	NO	0.999	NO	bb
8	8	171016M4_9	Standard	100.000	4.42	455155.000	59913.836	94.960	96.5	-3.5	NO	0.999	NO	bb
9	9	171016M4_10	Standard	250.000	4.42	1007436.125	53867.422	233.777	251.2	0.5	NO	0.999	NO	bd

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.999913
Calibration curve: -0.000514105 * x^2 + 1.01257 * x + 0.0157836
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	4.58	772.909	39183.234	0.247	0.2	-8.8	NO	1.000	NO	MM
2	2	171016M4_3	Standard	0.500	4.59	1819.143	41861.176	0.543	0.5	4.2	NO	1.000	NO	MM
3	3	171016M4_4	Standard	1.000	4.58	3750.145	45091.246	1.040	1.0	1.2	NO	1.000	NO	MM
4	4	171016M4_5	Standard	2.000	4.59	6638.790	39475.652	2.102	2.1	3.1	NO	1.000	NO	MM
5	5	171016M4_6	Standard	5.000	4.59	16540.145	41735.566	4.954	4.9	-2.2	NO	1.000	NO	MM
6	6	171016M4_7	Standard	10.000	4.59	36276.715	43883.621	10.333	10.2	2.4	NO	1.000	NO	MM
7	7	171016M4_8	Standard	50.000	4.59	154355.125	38678.945	49.883	50.5	1.1	NO	1.000	NO	MM
8	8	171016M4_9	Standard	100.000	4.60	293404.344	38563.926	95.103	98.9	-1.1	NO	1.000	NO	MM
9	9	171016M4_10	Standard	250.000	4.60	655920.063	37045.207	221.324	250.4	0.2	NO	1.000	NO	MM

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999727
Calibration curve: -0.000186344 * x^2 + 0.978692 * x + 0.0187189
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	1.250	4.76	670.133	93087.594	1.080	1.1	-13.2	NO	1.000	NO	MM
2	2	171016M4_3	Standard	2.500	4.78	1511.003	90785.414	2.497	2.5	1.3	NO	1.000	NO	bb
3	3	171016M4_4	Standard	5.000	4.77	3221.873	97587.867	4.952	5.0	0.9	NO	1.000	NO	bb
4	4	171016M4_5	Standard	10.000	4.77	5705.183	78867.586	10.851	11.1	10.9	NO	1.000	NO	bb
5	5	171016M4_6	Standard	25.000	4.77	14345.450	87272.242	24.656	25.3	1.2	NO	1.000	NO	bb
6	6	171016M4_7	Standard	50.000	4.77	28937.840	89160.727	48.684	50.2	0.4	NO	1.000	NO	bd
7	7	171016M4_8	Standard	250.000	4.77	119976.961	79356.914	226.780	242.9	-2.8	NO	1.000	NO	bb
8	8	171016M4_9	Standard	500.000	4.78	228510.016	76385.047	448.733	507.5	1.5	NO	1.000	NO	bb
9	9	171016M4_10	Standard	1250.000	4.78	482173.125	77680.438	931.071	1247.8	-0.2	NO	1.000	NO	bb

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999812
Calibration curve: -0.00107185 * x^2 + 1.4288 * x + 0.15654
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	4.95	2157.514	20245.289	0.533	0.3	5.4	NO	1.000	NO	bb
2	2	171016M4_3	Standard	0.500	4.95	3658.641	21818.262	0.838	0.5	-4.5	NO	1.000	NO	bb
3	3	171016M4_4	Standard	1.000	4.95	7503.405	23889.178	1.570	1.0	-1.0	NO	1.000	NO	bb
4	4	171016M4_5	Standard	2.000	4.96	12363.116	19469.959	3.175	2.1	5.8	NO	1.000	NO	bb
5	5	171016M4_6	Standard	5.000	4.96	30116.369	21453.822	7.019	4.8	-3.6	NO	1.000	NO	bb
6	6	171016M4_7	Standard	10.000	4.96	61813.289	21943.314	14.085	9.8	-1.8	NO	1.000	NO	bb
7	7	171016M4_8	Standard	50.000	4.96	276044.188	20388.135	67.697	49.1	-1.8	NO	1.000	NO	bb
8	8	171016M4_9	Standard	100.000	4.96	515299.031	19151.027	134.536	101.8	1.8	NO	1.000	NO	bb
9	9	171016M4_10	Standard	250.000	4.96	1170662.375	20202.254	289.736	249.3	-0.3	NO	1.000	NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: PFODA
Coefficient of Determination: R^2 = 0.998989
Calibration curve: -0.00125278 * x^2 + 1.43762 * x + -0.0205247
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	0.250	5.32	1468.921	20245.289	0.363	0.3	6.7	NO	0.999	NO	bb
2	2	171016M4_3	Standard	0.500	5.33	3045.688	21818.262	0.698	0.5	-0.0	NO	0.999	NO	bb
3	3	171016M4_4	Standard	1.000	5.32	6781.241	23889.178	1.419	1.0	0.2	NO	0.999	NO	bb
4	4	171016M4_5	Standard	2.000	5.32	11130.335	19469.959	2.858	2.0	0.3	NO	0.999	NO	MM
5	5	171016M4_6	Standard	5.000	5.33	28379.971	21453.822	6.614	4.6	-7.3	NO	0.999	NO	bb
6	6	171016M4_7	Standard	10.000	5.32	59117.895	21943.314	13.471	9.5	-5.4	NO	0.999	NO	bb
7	7	171016M4_8	Standard	50.000	5.32	268816.188	20388.135	65.925	47.9	-4.3	NO	0.999	NO	bb
8	8	171016M4_9	Standard	100.000	5.33	524587.438	19151.027	136.961	104.9	4.9	NO	0.999	NO	bb
9	9	171016M4_10	Standard	250.000	5.33	1128855.625	20202.254	279.389	247.9	-0.8	NO	0.999	NO	bb

Compound name: N-MeFOSE
Correlation coefficient: r = 0.999615, r^2 = 0.999231
Calibration curve: 1.00484 * x + 0.341573
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	1.250	5.40	999.548	107193.609	1.399	1.1	-15.8	NO	0.999	NO	bb
2	2	171016M4_3	Standard	2.500	5.41	2045.156	113230.953	2.709	2.4	-5.7	NO	0.999	NO	bb
3	3	171016M4_4	Standard	5.000	5.40	4600.775	121990.453	5.657	5.3	5.8	NO	0.999	NO	bb
4	4	171016M4_5	Standard	10.000	5.41	7530.554	104044.711	10.857	10.5	4.6	NO	0.999	NO	bb
5	5	171016M4_6	Standard	25.000	5.41	19685.299	113365.102	26.047	25.6	2.3	NO	0.999	NO	bb
6	6	171016M4_7	Standard	50.000	5.41	40267.305	114523.305	52.741	52.1	4.3	NO	0.999	NO	bb
7	7	171016M4_8	Standard	250.000	5.40	182733.047	105037.195	260.955	259.4	3.7	NO	0.999	NO	bb
8	8	171016M4_9	Standard	500.000	5.41	357203.063	103502.750	517.672	514.8	3.0	NO	0.999	NO	bb
9	9	171016M4_10	Standard	1250.000	5.41	827442.125	100995.484	1228.929	1222.7	-2.2	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: N-EtFOSE
Correlation coefficient: r = 0.999656, r^2 = 0.999312
Calibration curve: 1.1255 * x + 0.412367
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	1.250	5.58	1071.283	101581.594	1.582	1.0	-16.9	NO	0.999	NO	bb
2	2	171016M4_3	Standard	2.500	5.59	2228.326	109871.664	3.042	2.3	-6.5	NO	0.999	NO	bb
3	3	171016M4_4	Standard	5.000	5.58	5127.025	120899.031	6.361	5.3	5.7	NO	0.999	NO	bb
4	4	171016M4_5	Standard	10.000	5.58	8412.931	100745.109	12.526	10.8	7.6	NO	0.999	NO	bb
5	5	171016M4_6	Standard	25.000	5.59	21672.619	111158.53	29.246	25.6	2.5	NO	0.999	NO	bb
6	6	171016M4_7	Standard	50.000	5.58	44364.746	112969.883	58.907	52.0	3.9	NO	0.999	NO	bb
7	7	171016M4_8	Standard	250.000	5.58	199228.359	103488.922	288.768	256.2	2.5	NO	0.999	NO	bb
8	8	171016M4_9	Standard	500.000	5.58	389257.594	100452.125	581.258	516.1	3.2	NO	0.999	NO	bb
9	9	171016M4_10	Standard	1250.000	5.59	910478.563	99069.938	1378.539	1224.5	-2.0	NO	0.999	NO	bb

Compound name: 13C3-PFBA
Response Factor: 0.956413
RRF SD: 0.0153698, Relative SD: 1.60702
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	1.33	11728.625	12199.482	12.018	12.6	0.5	NO		NO	MM
2	2	171016M4_3	Standard	12.500	1.33	11848.306	12637.885	11.719	12.3	-2.0	NO		NO	MM
3	3	171016M4_4	Standard	12.500	1.33	14449.060	15046.140	12.004	12.6	0.4	NO		NO	MM
4	4	171016M4_5	Standard	12.500	1.33	11753.589	12408.139	11.841	12.4	-1.0	NO		NO	MM
5	5	171016M4_6	Standard	12.500	1.33	12987.589	13366.629	12.146	12.7	1.6	NO		NO	MM
6	6	171016M4_7	Standard	12.500	1.34	13381.808	14159.456	11.813	12.4	-1.2	NO		NO	MM
7	7	171016M4_8	Standard	12.500	1.33	12681.843	13003.598	12.191	12.7	2.0	NO		NO	MM
8	8	171016M4_9	Standard	12.500	1.34	11957.216	12773.586	11.701	12.2	-2.1	NO		NO	MM
9	9	171016M4_10	Standard	12.500	1.34	11411.88	11726.678	12.164	12.7	1.8	NO		NO	MM

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 13C3-PFPeA
Response Factor: 0.288472
RRF SD: 0.00941939, Relative SD: 3.26527
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	2.61	19590.783	28444.262	3.444	11.9	-4.5	NO		NO	MM
2	2	171016M4_3	Standard	12.500	2.61	20618.980	27783.568	3.711	12.9	2.9	NO		NO	MM
3	3	171016M4_4	Standard	12.500	2.61	25167.559	36028.984	3.493	12.1	-3.1	NO		NO	MM
4	4	171016M4_5	Standard	12.500	2.62	20619.998	27408.096	3.762	13.0	4.3	NO		NO	MM
5	5	171016M4_6	Standard	12.500	2.62	21593.574	29636.490	3.643	12.6	1.0	NO		NO	MM
6	6	171016M4_7	Standard	12.500	2.63	22930.807	32516.721	3.526	12.2	-2.2	NO		NO	MM
7	7	171016M4_8	Standard	12.500	2.62	20689.076	29646.707	3.489	12.1	-3.2	NO		NO	bd
8	8	171016M4_9	Standard	12.500	2.62	20870.457	28255.693	3.693	12.8	2.4	NO		NO	MM
9	9	171016M4_10	Standard	12.500	2.62	19350.715	26199.773	3.693	12.8	2.4	NO		NO	MM

Compound name: 13C3-PFBS
Response Factor: 0.065341
RRF SD: 0.0025426, Relative SD: 3.89128
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	2.86	4883.474	28444.262	0.858	13.1	5.1	NO		NO	MM
2	2	171016M4_3	Standard	12.500	2.86	4604.463	27783.568	0.829	12.7	1.5	NO		NO	MM
3	3	171016M4_4	Standard	12.500	2.86	5530.735	36028.984	0.768	11.7	-6.0	NO		NO	MM
4	4	171016M4_5	Standard	12.500	2.86	4723.321	27408.096	0.862	13.2	5.5	NO		NO	MM
5	5	171016M4_6	Standard	12.500	2.86	4922.857	29636.490	0.831	12.7	1.7	NO		NO	bb
6	6	171016M4_7	Standard	12.500	2.87	5117.916	32516.721	0.787	12.0	-3.6	NO		NO	MM
7	7	171016M4_8	Standard	12.500	2.86	4711.646	29646.707	0.795	12.2	-2.7	NO		NO	bb
8	8	171016M4_9	Standard	12.500	2.87	4631.044	28255.693	0.819	12.5	0.3	NO		NO	MM
9	9	171016M4_10	Standard	12.500	2.86	4207.534	26199.773	0.803	12.3	-1.7	NO		NO	MM

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 13C2-PFHxA
Response Factor: 0.296744
RRF SD: 0.0101561, Relative SD: 3.42252
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	5.000	3.11	8946.491	28444.262	1.573	5.3	6.0	NO		NO	bb
2	2	171016M4_3	Standard	5.000	3.11	8251.397	27783.568	1.485	5.0	0.1	NO		NO	bb
3	3	171016M4_4	Standard	5.000	3.11	10657.372	36028.984	1.479	5.0	-0.3	NO		NO	MM
4	4	171016M4_5	Standard	5.000	3.11	8337.552	27408.096	1.521	5.1	2.5	NO		NO	bb
5	5	171016M4_6	Standard	5.000	3.11	8688.480	29636.490	1.466	4.9	-1.2	NO		NO	bd
6	6	171016M4_7	Standard	5.000	3.11	9177.506	32516.721	1.411	4.8	-4.9	NO		NO	MM
7	7	171016M4_8	Standard	5.000	3.12	8378.512	29646.707	1.413	4.8	-4.8	NO		NO	bb
8	8	171016M4_9	Standard	5.000	3.12	8488.543	28255.693	1.502	5.1	1.2	NO		NO	MM
9	9	171016M4_10	Standard	5.000	3.11	7879.445	26199.773	1.504	5.1	1.3	NO		NO	MM

Compound name: 13C4-PFHpA
Response Factor: 0.641458
RRF SD: 0.0280455, Relative SD: 4.37214
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	3.38	45310.461	28444.262	7.965	12.4	-0.7	NO		NO	bb
2	2	171016M4_3	Standard	12.500	3.38	44246.418	27783.568	7.963	12.4	-0.7	NO		NO	bb
3	3	171016M4_4	Standard	12.500	3.38	57109.250	36028.984	7.925	12.4	-1.2	NO		NO	bb
4	4	171016M4_5	Standard	12.500	3.39	46774.039	27408.096	8.533	13.3	6.4	NO		NO	bb
5	5	171016M4_6	Standard	12.500	3.39	48716.973	29636.490	8.219	12.8	2.5	NO		NO	bb
6	6	171016M4_7	Standard	12.500	3.38	51670.020	32516.721	7.945	12.4	-0.9	NO		NO	bb
7	7	171016M4_8	Standard	12.500	3.38	45129.883	29646.707	7.611	11.9	-5.1	NO		NO	MM
8	8	171016M4_9	Standard	12.500	3.39	48019.219	28255.693	8.497	13.2	6.0	NO		NO	bb
9	9	171016M4_10	Standard	12.500	3.39	39327.934	26199.773	7.505	11.7	-6.4	NO		NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 18O2-PFHxS
Response Factor: 0.519211
RRF SD: 0.0361771, Relative SD: 6.96771
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171016M4_2	Standard	12.500	3.46	2656.383	5233.052	6.345	12.2	-2.2	NO		NO	MM
2	2 171016M4_3	Standard	12.500	3.46	2814.214	4688.465	7.503	14.5	15.6	NO		NO	bb
3	3 171016M4_4	Standard	12.500	3.45	3588.776	6700.322	6.695	12.9	3.2	NO		NO	bb
4	4 171016M4_5	Standard	12.500	3.46	2629.778	4900.085	6.709	12.9	3.4	NO		NO	bb
5	5 171016M4_6	Standard	12.500	3.46	2919.923	5635.174	6.477	12.5	-0.2	NO		NO	MM
6	6 171016M4_7	Standard	12.500	3.46	2821.340	5863.629	6.014	11.6	-7.3	NO		NO	bb
7	7 171016M4_8	Standard	12.500	3.46	2580.914	5111.726	6.311	12.2	-2.8	NO		NO	bb
8	8 171016M4_9	Standard	12.500	3.47	2541.378	5271.720	6.026	11.6	-7.2	NO		NO	bb
9	9 171016M4_10	Standard	12.500	3.46	2290.698	4523.069	6.331	12.2	-2.5	NO		NO	bb

Compound name: 13C2-6:2 FTS
Response Factor: 0.177223
RRF SD: 0.0157336, Relative SD: 8.87785
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171016M4_2	Standard	12.500	3.57	7741.699	44374.852	2.181	12.3	-1.6	NO		NO	bb
2	2 171016M4_3	Standard	12.500	3.57	7060.236	42723.570	2.066	11.7	-6.8	NO		NO	bb
3	3 171016M4_4	Standard	12.500	3.57	9830.442	57185.754	2.149	12.1	-3.0	NO		NO	bd
4	4 171016M4_5	Standard	12.500	3.57	7995.310	46312.000	2.158	12.2	-2.6	NO		NO	bb
5	5 171016M4_6	Standard	12.500	3.57	8356.274	50042.676	2.087	11.8	-5.8	NO		NO	MM
6	6 171016M4_7	Standard	12.500	3.57	8621.758	52734.195	2.044	11.5	-7.7	NO		NO	MM
7	7 171016M4_8	Standard	12.500	3.58	9397.943	47915.887	2.452	13.8	10.7	NO		NO	bb
8	8 171016M4_9	Standard	12.500	3.57	9814.658	47433.016	2.586	14.6	16.8	NO		NO	bb
9	9 171016M4_10	Standard	12.500	3.58	9004.797	31200.492	3.608	20.4	62.9	NO		NO	bdX

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 13C2-PFOA
Response Factor: 1.14674
RRF SD: 0.0356992, Relative SD: 3.11309
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	3.58	50311.129	44374.852	14.172	12.4	-1.1	NO		NO	bb
2	2	171016M4_3	Standard	12.500	3.58	47229.859	42723.570	13.818	12.1	-3.6	NO		NO	bb
3	3	171016M4_4	Standard	12.500	3.58	64255.406	57185.754	14.045	12.2	-2.0	NO		NO	bb
4	4	171016M4_5	Standard	12.500	3.58	54598.828	46312.000	14.737	12.9	2.8	NO		NO	MM
5	5	171016M4_6	Standard	12.500	3.58	55399.719	50042.676	13.838	12.1	-3.5	NO		NO	bb
6	6	171016M4_7	Standard	12.500	3.58	60568.398	52734.195	14.357	12.5	0.2	NO		NO	bb
7	7	171016M4_8	Standard	12.500	3.59	56361.945	47915.887	14.703	12.8	2.6	NO		NO	bb
8	8	171016M4_9	Standard	12.500	3.59	53865.555	47433.016	14.195	12.4	-1.0	NO		NO	MM
9	9	171016M4_10	Standard	12.500	3.59	37795.930	31200.492	15.142	13.2	5.6	NO		NO	bb

Compound name: 13C5-PFNA
Response Factor: 0.938778
RRF SD: 0.0191573, Relative SD: 2.04067
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	3.76	55776.488	59785.992	11.662	12.4	-0.6	NO		NO	bd
2	2	171016M4_3	Standard	12.500	3.76	60958.844	63590.410	11.983	12.8	2.1	NO		NO	bb
3	3	171016M4_4	Standard	12.500	3.76	61480.887	67345.031	11.412	12.2	-2.8	NO		NO	bb
4	4	171016M4_5	Standard	12.500	3.76	53180.570	55799.840	11.913	12.7	1.5	NO		NO	bb
5	5	171016M4_6	Standard	12.500	3.76	57153.191	60026.879	11.902	12.7	1.4	NO		NO	bb
6	6	171016M4_7	Standard	12.500	3.76	60133.945	64126.043	11.722	12.5	-0.1	NO		NO	bb
7	7	171016M4_8	Standard	12.500	3.76	50767.590	53854.703	11.783	12.6	0.4	NO		NO	MM
8	8	171016M4_9	Standard	12.500	3.77	48761.730	53923.113	11.304	12.0	-3.7	NO		NO	bb
9	9	171016M4_10	Standard	12.500	3.76	46606.496	48821.145	11.933	12.7	1.7	NO		NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 13C8-PFOSA
Response Factor: 0.177161
RRF SD: 0.0218049, Relative SD: 12.308
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	3.76	12655.077	75186.875	2.104	11.9	-5.0	NO		NO	bb
2	2	171016M4_3	Standard	12.500	3.77	13350.514	72047.766	2.316	13.1	4.6	NO		NO	bd
3	3	171016M4_4	Standard	12.500	3.77	14280.683	71536.383	2.495	14.1	12.7	NO		NO	bb
4	4	171016M4_5	Standard	12.500	3.77	12361.808	60761.266	2.543	14.4	14.8	NO		NO	bb
5	5	171016M4_6	Standard	12.500	3.77	12344.443	68630.422	2.248	12.7	1.5	NO		NO	bb
6	6	171016M4_7	Standard	12.500	3.77	13159.604	68171.445	2.413	13.6	9.0	NO		NO	bb
7	7	171016M4_8	Standard	12.500	3.77	10642.969	61110.215	2.177	12.3	-1.7	NO		NO	bb
8	8	171016M4_9	Standard	12.500	3.77	9087.321	58791.082	1.932	10.9	-12.8	NO		NO	bb
9	9	171016M4_10	Standard	12.500	3.77	7903.561	58064.219	1.701	9.6	-23.2	NO		NO	bb

Compound name: 13C8-PFOS
Response Factor: 1.06704
RRF SD: 0.0484522, Relative SD: 4.54081
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	3.81	11394.560	10919.782	13.043	12.2	-2.2	NO		NO	bb
2	2	171016M4_3	Standard	12.500	3.81	10742.990	10228.011	13.129	12.3	-1.6	NO		NO	bb
3	3	171016M4_4	Standard	12.500	3.81	11471.085	11195.302	12.808	12.0	-4.0	NO		NO	bb
4	4	171016M4_5	Standard	12.500	3.81	10340.448	9340.482	13.838	13.0	3.8	NO		NO	bb
5	5	171016M4_6	Standard	12.500	3.82	10776.771	9947.502	13.542	12.7	1.5	NO		NO	bb
6	6	171016M4_7	Standard	12.500	3.81	11167.463	10176.774	13.717	12.9	2.8	NO		NO	MM
7	7	171016M4_8	Standard	12.500	3.82	10252.145	8837.830	14.500	13.6	8.7	NO		NO	bb
8	8	171016M4_9	Standard	12.500	3.82	9151.660	8964.199	12.761	12.0	-4.3	NO		NO	bb
9	9	171016M4_10	Standard	12.500	3.82	8377.835	8244.510	12.702	11.9	-4.8	NO		NO	bd

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 13C2-PFDA
Response Factor: 0.834716
RRF SD: 0.0389591, Relative SD: 4.66735
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	3.92	49781.777	59493.121	10.460	12.5	0.2	NO		NO	bb
2	2	171016M4_3	Standard	12.500	3.93	52835.410	62928.941	10.495	12.6	0.6	NO		NO	bb
3	3	171016M4_4	Standard	12.500	3.92	53333.828	65722.148	10.144	12.2	-2.8	NO		NO	bb
4	4	171016M4_5	Standard	12.500	3.93	47549.258	58220.609	10.209	12.2	-2.2	NO		NO	bb
5	5	171016M4_6	Standard	12.500	3.93	50063.137	64273.266	9.736	11.7	-6.7	NO		NO	bb
6	6	171016M4_7	Standard	12.500	3.93	49927.555	62850.594	9.930	11.9	-4.8	NO		NO	bb
7	7	171016M4_8	Standard	12.500	3.93	48317.875	55188.656	10.944	13.1	4.9	NO		NO	bb
8	8	171016M4_9	Standard	12.500	3.93	44827.816	52176.852	10.739	12.9	2.9	NO		NO	bb
9	9	171016M4_10	Standard	12.500	3.93	41727.102	46368.266	11.249	13.5	7.8	NO		NO	bb

Compound name: 13C2-8:2 FTS
Response Factor: 0.117582
RRF SD: 0.0193087, Relative SD: 16.4215
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	3.92	7159.738	59493.121	1.504	12.8	2.4	NO		NO	bb
2	2	171016M4_3	Standard	12.500	3.92	7169.887	62928.941	1.424	12.1	-3.1	NO		NO	bb
3	3	171016M4_4	Standard	12.500	3.92	7426.636	65722.148	1.413	12.0	-3.9	NO		NO	MM
4	4	171016M4_5	Standard	12.500	3.93	5920.082	58220.609	1.271	10.8	-13.5	NO		NO	bd
5	5	171016M4_6	Standard	12.500	3.93	6719.914	64273.266	1.307	11.1	-11.1	NO		NO	MM
6	6	171016M4_7	Standard	12.500	3.93	6225.508	62850.594	1.238	10.5	-15.8	NO		NO	bd
7	7	171016M4_8	Standard	12.500	3.92	7167.257	55188.656	1.623	13.8	10.4	NO		NO	bb
8	8	171016M4_9	Standard	12.500	3.93	8255.161	52176.852	1.978	16.8	34.6	NO		NO	bb
9	9	171016M4_10	Standard	12.500	3.92	10533.908	46368.266	2.840	24.2	93.2	NO		NO	MMX

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: d3-N-MeFOSAA
Response Factor: 0.0131943
RRF SD: 0.000799821, Relative SD: 6.06187
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	162.500	3.95	11731.917	75186.875	1.950	147.8	-9.0	NO		NO	bb
2	2	171016M4_3	Standard	162.500	3.95	11657.727	72047.766	2.023	153.3	-5.7	NO		NO	bb
3	3	171016M4_4	Standard	162.500	3.96	13621.439	71536.383	2.380	180.4	11.0	NO		NO	bb
4	4	171016M4_5	Standard	162.500	3.96	10882.829	60761.266	2.239	169.7	4.4	NO		NO	bb
5	5	171016M4_6	Standard	162.500	3.96	12189.830	68630.422	2.220	168.3	3.6	NO		NO	bb
6	6	171016M4_7	Standard	162.500	3.96	11915.996	68171.445	2.185	165.6	1.9	NO		NO	bb
7	7	171016M4_8	Standard	162.500	3.96	10447.680	61110.215	2.137	162.0	-0.3	NO		NO	bb
8	8	171016M4_9	Standard	162.500	3.96	9963.188	58791.082	2.118	160.6	-1.2	NO		NO	bb
9	9	171016M4_10	Standard	162.500	3.96	9495.100	58064.219	2.044	154.9	-4.7	NO		NO	bb

Compound name: d5-N-EtFOSAA
Response Factor: 0.0153504
RRF SD: 0.00067454, Relative SD: 4.39428
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	162.500	4.02	13961.296	75186.875	2.321	151.2	-6.9	NO		NO	bb
2	2	171016M4_3	Standard	162.500	4.02	13397.992	72047.766	2.324	151.4	-6.8	NO		NO	bb
3	3	171016M4_4	Standard	162.500	4.02	13987.815	71536.383	2.444	159.2	-2.0	NO		NO	bb
4	4	171016M4_5	Standard	162.500	4.02	12402.951	60761.266	2.552	166.2	2.3	NO		NO	bb
5	5	171016M4_6	Standard	162.500	4.03	14301.358	68630.422	2.605	169.7	4.4	NO		NO	bb
6	6	171016M4_7	Standard	162.500	4.03	13942.586	68171.445	2.557	166.5	2.5	NO		NO	bb
7	7	171016M4_8	Standard	162.500	4.03	12523.810	61110.215	2.562	166.9	2.7	NO		NO	bb
8	8	171016M4_9	Standard	162.500	4.03	11698.349	58791.082	2.487	162.0	-0.3	NO		NO	bb
9	9	171016M4_10	Standard	162.500	4.03	12069.611	58064.219	2.598	169.3	4.2	NO		NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 13C2-PFUnA
Response Factor: 1.01709
RRF SD: 0.0551802, Relative SD: 5.42528
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	4.09	75452.906	75186.875	12.544	12.3	-1.3	NO		NO	bb
2	2	171016M4_3	Standard	12.500	4.09	68511.641	72047.766	11.886	11.7	-6.5	NO		NO	bb
3	3	171016M4_4	Standard	12.500	4.09	77546.141	71536.383	13.550	13.3	6.6	NO		NO	bb
4	4	171016M4_5	Standard	12.500	4.10	63667.160	60761.266	13.098	12.9	3.0	NO		NO	MM
5	5	171016M4_6	Standard	12.500	4.10	70375.664	68630.422	12.818	12.6	0.8	NO		NO	bb
6	6	171016M4_7	Standard	12.500	4.10	74331.578	68171.445	13.630	13.4	7.2	NO		NO	bb
7	7	171016M4_8	Standard	12.500	4.10	60933.531	61110.215	12.464	12.3	-2.0	NO		NO	MM
8	8	171016M4_9	Standard	12.500	4.10	54410.574	58791.082	11.569	11.4	-9.0	NO		NO	bb
9	9	171016M4_10	Standard	12.500	4.10	59757.230	58064.219	12.864	12.6	1.2	NO		NO	bb

Compound name: 13C2-PFDoA
Response Factor: 0.984142
RRF SD: 0.0485071, Relative SD: 4.92887
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	4.25	71018.109	75186.875	11.807	12.0	-4.0	NO		NO	bb
2	2	171016M4_3	Standard	12.500	4.25	70862.313	72047.766	12.294	12.5	-0.1	NO		NO	bb
3	3	171016M4_4	Standard	12.500	4.25	78285.773	71536.383	13.679	13.9	11.2	NO		NO	bb
4	4	171016M4_5	Standard	12.500	4.26	58808.547	60761.266	12.098	12.3	-1.7	NO		NO	bb
5	5	171016M4_6	Standard	12.500	4.25	66940.102	68630.422	12.192	12.4	-0.9	NO		NO	bb
6	6	171016M4_7	Standard	12.500	4.26	65839.445	68171.445	12.072	12.3	-1.9	NO		NO	bb
7	7	171016M4_8	Standard	12.500	4.26	59826.031	61110.215	12.237	12.4	-0.5	NO		NO	MM
8	8	171016M4_9	Standard	12.500	4.26	59913.836	58791.082	12.739	12.9	3.6	NO		NO	bd
9	9	171016M4_10	Standard	12.500	4.25	53867.422	58064.219	11.597	11.8	-5.7	NO		NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: d3-N-MeFOSA
Response Factor: 0.0694282
RRF SD: 0.00212207, Relative SD: 3.05649
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	150.000	4.18	58875.473	75186.875	9.788	141.0	-6.0	NO		NO	bb
2	2	171016M4_3	Standard	150.000	4.19	59084.512	72047.766	10.251	147.6	-1.6	NO		NO	bb
3	3	171016M4_4	Standard	150.000	4.19	62609.738	71536.383	10.940	157.6	5.1	NO		NO	bb
4	4	171016M4_5	Standard	150.000	4.19	50515.223	60761.266	10.392	149.7	-0.2	NO		NO	MM
5	5	171016M4_6	Standard	150.000	4.19	56363.344	68630.422	10.266	147.9	-1.4	NO		NO	bb
6	6	171016M4_7	Standard	150.000	4.19	58110.137	68171.445	10.655	153.5	2.3	NO		NO	bb
7	7	171016M4_8	Standard	150.000	4.19	51524.125	61110.215	10.539	151.8	1.2	NO		NO	bd
8	8	171016M4_9	Standard	150.000	4.20	49572.688	58791.082	10.540	151.8	1.2	NO		NO	bb
9	9	171016M4_10	Standard	150.000	4.20	48107.563	58064.219	10.357	149.2	-0.6	NO		NO	bd

Compound name: 13C2-PFTeDA
Response Factor: 0.617879
RRF SD: 0.0429053, Relative SD: 6.94397
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	4.58	39183.234	75186.875	6.514	10.5	-15.7	NO		NO	bb
2	2	171016M4_3	Standard	12.500	4.59	41861.176	72047.766	7.263	11.8	-6.0	NO		NO	bd
3	3	171016M4_4	Standard	12.500	4.58	45091.246	71536.383	7.879	12.8	2.0	NO		NO	bb
4	4	171016M4_5	Standard	12.500	4.59	39475.652	60761.266	8.121	13.1	5.1	NO		NO	bb
5	5	171016M4_6	Standard	12.500	4.59	41735.566	68630.422	7.602	12.3	-1.6	NO		NO	bb
6	6	171016M4_7	Standard	12.500	4.59	43883.621	68171.445	8.047	13.0	4.2	NO		NO	bb
7	7	171016M4_8	Standard	12.500	4.59	38678.945	61110.215	7.912	12.8	2.4	NO		NO	bb
8	8	171016M4_9	Standard	12.500	4.60	38563.926	58791.082	8.199	13.3	6.2	NO		NO	bb
9	9	171016M4_10	Standard	12.500	4.60	37045.207	58064.219	7.975	12.9	3.3	NO		NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: d5-N-ETFOSA
Response Factor: 0.108107
RRF SD: 0.00319841, Relative SD: 2.95857
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	150.000	4.82	93087.594	75186.875	15.476	143.2	-4.6	NO		NO	bb
2	2	171016M4_3	Standard	150.000	4.82	90785.414	72047.766	15.751	145.7	-2.9	NO		NO	bb
3	3	171016M4_4	Standard	150.000	4.82	97587.867	71536.383	17.052	157.7	5.2	NO		NO	MM
4	4	171016M4_5	Standard	150.000	4.83	78867.586	60761.266	16.225	150.1	0.1	NO		NO	bb
5	5	171016M4_6	Standard	150.000	4.83	87272.242	68630.422	15.895	147.0	-2.0	NO		NO	bb
6	6	171016M4_7	Standard	150.000	4.82	89160.727	68171.445	16.349	151.2	0.8	NO		NO	MM
7	7	171016M4_8	Standard	150.000	4.82	79356.914	61110.215	16.232	150.2	0.1	NO		NO	bb
8	8	171016M4_9	Standard	150.000	4.83	76385.047	58791.082	16.241	150.2	0.2	NO		NO	bb
9	9	171016M4_10	Standard	150.000	4.83	77680.438	58064.219	16.723	154.7	3.1	NO		NO	bb

Compound name: 13C2-PFHxDA
Response Factor: 0.79674
RRF SD: 0.056632, Relative SD: 7.10796
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	5.000	4.95	20245.289	75186.875	3.366	4.2	-15.5	NO		NO	bb
2	2	171016M4_3	Standard	5.000	4.95	21818.262	72047.766	3.785	4.8	-5.0	NO		NO	bb
3	3	171016M4_4	Standard	5.000	4.95	23889.178	71536.383	4.174	5.2	4.8	NO		NO	bb
4	4	171016M4_5	Standard	5.000	4.96	19469.959	60761.266	4.005	5.0	0.5	NO		NO	bb
5	5	171016M4_6	Standard	5.000	4.96	21453.822	68630.422	3.907	4.9	-1.9	NO		NO	bb
6	6	171016M4_7	Standard	5.000	4.96	21943.314	68171.445	4.024	5.1	1.0	NO		NO	bb
7	7	171016M4_8	Standard	5.000	4.96	20388.135	61110.215	4.170	5.2	4.7	NO		NO	bb
8	8	171016M4_9	Standard	5.000	4.96	19151.027	58791.082	4.072	5.1	2.2	NO		NO	bb
9	9	171016M4_10	Standard	5.000	4.96	20202.254	58064.219	4.349	5.5	9.2	NO		NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: d7-N-MeFOSE
Response Factor: 0.138569
RRF SD: 0.00872813, Relative SD: 6.29878
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	150.000	5.39	107193.609	75186.875	17.821	128.6	-14.3	NO		NO	bb
2	2	171016M4_3	Standard	150.000	5.39	113230.953	72047.766	19.645	141.8	-5.5	NO		NO	bb
3	3	171016M4_4	Standard	150.000	5.39	121990.453	71536.383	21.316	153.8	2.6	NO		NO	bb
4	4	171016M4_5	Standard	150.000	5.39	104044.711	60761.266	21.404	154.5	3.0	NO		NO	bb
5	5	171016M4_6	Standard	150.000	5.40	113365.102	68630.422	20.648	149.0	-0.7	NO		NO	bb
6	6	171016M4_7	Standard	150.000	5.39	114523.305	68171.445	20.999	151.5	1.0	NO		NO	bb
7	7	171016M4_8	Standard	150.000	5.39	105037.195	61110.215	21.485	155.1	3.4	NO		NO	bb
8	8	171016M4_9	Standard	150.000	5.40	103502.750	58791.082	22.006	158.8	5.9	NO		NO	bb
9	9	171016M4_10	Standard	150.000	5.39	100995.484	58064.219	21.742	156.9	4.6	NO		NO	bb

Compound name: d9-N-EtFOSE
Response Factor: 0.135271
RRF SD: 0.00975765, Relative SD: 7.21342
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	150.000	5.56	101581.594	75186.875	16.888	124.8	-16.8	NO		NO	bb
2	2	171016M4_3	Standard	150.000	5.57	109871.664	72047.766	19.062	140.9	-6.1	NO		NO	bb
3	3	171016M4_4	Standard	150.000	5.57	120899.031	71536.383	21.125	156.2	4.1	NO		NO	MM
4	4	171016M4_5	Standard	150.000	5.57	100745.109	60761.266	20.726	153.2	2.1	NO		NO	bb
5	5	171016M4_6	Standard	150.000	5.57	111158.539	68630.422	20.246	149.7	-0.2	NO		NO	bb
6	6	171016M4_7	Standard	150.000	5.57	112969.883	68171.445	20.714	153.1	2.1	NO		NO	bb
7	7	171016M4_8	Standard	150.000	5.57	103488.922	61110.215	21.168	156.5	4.3	NO		NO	MM
8	8	171016M4_9	Standard	150.000	5.57	100452.125	58791.082	21.358	157.9	5.3	NO		NO	bb
9	9	171016M4_10	Standard	150.000	5.57	99069.938	58064.219	21.328	157.7	5.1	NO		NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 13C4-PFBA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	1.33	12199.482	12199.482	12.500	12.5	0.0	NO		NO	MM
2	2	171016M4_3	Standard	12.500	1.33	12637.885	12637.885	12.500	12.5	0.0	NO		NO	MM
3	3	171016M4_4	Standard	12.500	1.33	15046.140	15046.140	12.500	12.5	0.0	NO		NO	MM
4	4	171016M4_5	Standard	12.500	1.33	12408.139	12408.139	12.500	12.5	0.0	NO		NO	MM
5	5	171016M4_6	Standard	12.500	1.33	13366.629	13366.629	12.500	12.5	0.0	NO		NO	MM
6	6	171016M4_7	Standard	12.500	1.34	14159.456	14159.456	12.500	12.5	0.0	NO		NO	MM
7	7	171016M4_8	Standard	12.500	1.33	13003.598	13003.598	12.500	12.5	0.0	NO		NO	MM
8	8	171016M4_9	Standard	12.500	1.34	12773.586	12773.586	12.500	12.5	0.0	NO		NO	MM
9	9	171016M4_10	Standard	12.500	1.34	11726.678	11726.678	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C5-PFHxA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	5.000	3.11	28444.262	28444.262	5.000	5.0	0.0	NO		NO	bb
2	2	171016M4_3	Standard	5.000	3.11	27783.568	27783.568	5.000	5.0	0.0	NO		NO	bb
3	3	171016M4_4	Standard	5.000	3.11	36028.984	36028.984	5.000	5.0	0.0	NO		NO	bb
4	4	171016M4_5	Standard	5.000	3.11	27408.096	27408.096	5.000	5.0	0.0	NO		NO	bb
5	5	171016M4_6	Standard	5.000	3.11	29636.490	29636.490	5.000	5.0	0.0	NO		NO	bb
6	6	171016M4_7	Standard	5.000	3.11	32516.721	32516.721	5.000	5.0	0.0	NO		NO	bd
7	7	171016M4_8	Standard	5.000	3.12	29646.707	29646.707	5.000	5.0	0.0	NO		NO	bd
8	8	171016M4_9	Standard	5.000	3.12	28255.693	28255.693	5.000	5.0	0.0	NO		NO	bb
9	9	171016M4_10	Standard	5.000	3.12	26199.773	26199.773	5.000	5.0	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 13C3-PFHxS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171016M4_2	Standard	12.500	3.45	5233.052	5233.052	12.500	12.5	0.0	NO		NO	bb
2	2 171016M4_3	Standard	12.500	3.46	4688.465	4688.465	12.500	12.5	0.0	NO		NO	MM
3	3 171016M4_4	Standard	12.500	3.45	6700.322	6700.322	12.500	12.5	0.0	NO		NO	MM
4	4 171016M4_5	Standard	12.500	3.46	4900.085	4900.085	12.500	12.5	0.0	NO		NO	MM
5	5 171016M4_6	Standard	12.500	3.46	5635.174	5635.174	12.500	12.5	0.0	NO		NO	bb
6	6 171016M4_7	Standard	12.500	3.45	5863.629	5863.629	12.500	12.5	0.0	NO		NO	bd
7	7 171016M4_8	Standard	12.500	3.46	5111.726	5111.726	12.500	12.5	0.0	NO		NO	bb
8	8 171016M4_9	Standard	12.500	3.46	5271.720	5271.720	12.500	12.5	0.0	NO		NO	bb
9	9 171016M4_10	Standard	12.500	3.46	4523.069	4523.069	12.500	12.5	0.0	NO		NO	MM

Compound name: 13C8-PFOA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171016M4_2	Standard	12.500	3.58	44374.852	44374.852	12.500	12.5	0.0	NO		NO	bb
2	2 171016M4_3	Standard	12.500	3.58	42723.570	42723.570	12.500	12.5	0.0	NO		NO	bb
3	3 171016M4_4	Standard	12.500	3.58	57185.754	57185.754	12.500	12.5	0.0	NO		NO	bd
4	4 171016M4_5	Standard	12.500	3.59	46312.000	46312.000	12.500	12.5	0.0	NO		NO	bb
5	5 171016M4_6	Standard	12.500	3.58	50042.676	50042.676	12.500	12.5	0.0	NO		NO	bb
6	6 171016M4_7	Standard	12.500	3.58	52734.195	52734.195	12.500	12.5	0.0	NO		NO	bb
7	7 171016M4_8	Standard	12.500	3.58	47915.887	47915.887	12.500	12.5	0.0	NO		NO	bb
8	8 171016M4_9	Standard	12.500	3.59	47433.016	47433.016	12.500	12.5	0.0	NO		NO	bb
9	9 171016M4_10	Standard	12.500	3.59	31200.492	31200.492	12.500	12.5	0.0	NO		NO	bd

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 13C9-PFNA
Response Factor: 1
RRF SD: 9.61481e-017, Relative SD: 9.61481e-015
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	3.76	59785.992	59785.992	12.500	12.5	0.0	NO		NO	bb
2	2	171016M4_3	Standard	12.500	3.76	63590.410	63590.410	12.500	12.5	0.0	NO		NO	MM
3	3	171016M4_4	Standard	12.500	3.76	67345.031	67345.031	12.500	12.5	0.0	NO		NO	bb
4	4	171016M4_5	Standard	12.500	3.76	55799.840	55799.840	12.500	12.5	0.0	NO		NO	bb
5	5	171016M4_6	Standard	12.500	3.76	60026.879	60026.879	12.500	12.5	0.0	NO		NO	bb
6	6	171016M4_7	Standard	12.500	3.76	64126.043	64126.043	12.500	12.5	0.0	NO		NO	bb
7	7	171016M4_8	Standard	12.500	3.76	53854.703	53854.703	12.500	12.5	0.0	NO		NO	bb
8	8	171016M4_9	Standard	12.500	3.77	53923.113	53923.113	12.500	12.5	0.0	NO		NO	MM
9	9	171016M4_10	Standard	12.500	3.76	48821.145	48821.145	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C4-PFOS
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	3.81	10919.782	10919.782	12.500	12.5	0.0	NO		NO	bb
2	2	171016M4_3	Standard	12.500	3.81	10228.011	10228.011	12.500	12.5	0.0	NO		NO	bb
3	3	171016M4_4	Standard	12.500	3.81	11195.302	11195.302	12.500	12.5	0.0	NO		NO	bd
4	4	171016M4_5	Standard	12.500	3.81	9340.482	9340.482	12.500	12.5	0.0	NO		NO	bb
5	5	171016M4_6	Standard	12.500	3.82	9947.502	9947.502	12.500	12.5	0.0	NO		NO	bb
6	6	171016M4_7	Standard	12.500	3.81	10176.774	10176.774	12.500	12.5	0.0	NO		NO	MM
7	7	171016M4_8	Standard	12.500	3.81	8837.830	8837.830	12.500	12.5	0.0	NO		NO	bb
8	8	171016M4_9	Standard	12.500	3.82	8964.199	8964.199	12.500	12.5	0.0	NO		NO	MM
9	9	171016M4_10	Standard	12.500	3.82	8244.510	8244.510	12.500	12.5	0.0	NO		NO	MM

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:29:39 Pacific Daylight Time

Compound name: 13C6-PFDA
Response Factor: 1
RRF SD: 3.92523e-017, Relative SD: 3.92523e-015
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	3.93	59493.121	59493.121	12.500	12.5	0.0	NO		NO	bb
2	2	171016M4_3	Standard	12.500	3.93	62928.941	62928.941	12.500	12.5	0.0	NO		NO	bb
3	3	171016M4_4	Standard	12.500	3.93	65722.148	65722.148	12.500	12.5	0.0	NO		NO	bb
4	4	171016M4_5	Standard	12.500	3.93	58220.609	58220.609	12.500	12.5	0.0	NO		NO	bb
5	5	171016M4_6	Standard	12.500	3.93	64273.266	64273.266	12.500	12.5	0.0	NO		NO	bb
6	6	171016M4_7	Standard	12.500	3.93	62850.594	62850.594	12.500	12.5	0.0	NO		NO	bb
7	7	171016M4_8	Standard	12.500	3.93	55188.656	55188.656	12.500	12.5	0.0	NO		NO	bb
8	8	171016M4_9	Standard	12.500	3.94	52176.852	52176.852	12.500	12.5	0.0	NO		NO	MM
9	9	171016M4_10	Standard	12.500	3.93	46368.266	46368.266	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUnA
Response Factor: 1
RRF SD: 3.92523e-017, Relative SD: 3.92523e-015
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171016M4_2	Standard	12.500	4.09	75186.875	75186.875	12.500	12.5	0.0	NO		NO	bb
2	2	171016M4_3	Standard	12.500	4.09	72047.766	72047.766	12.500	12.5	0.0	NO		NO	bb
3	3	171016M4_4	Standard	12.500	4.09	71536.383	71536.383	12.500	12.5	0.0	NO		NO	bb
4	4	171016M4_5	Standard	12.500	4.10	60761.266	60761.266	12.500	12.5	0.0	NO		NO	bb
5	5	171016M4_6	Standard	12.500	4.10	68630.422	68630.422	12.500	12.5	0.0	NO		NO	bb
6	6	171016M4_7	Standard	12.500	4.10	68171.445	68171.445	12.500	12.5	0.0	NO		NO	bb
7	7	171016M4_8	Standard	12.500	4.10	61110.215	61110.215	12.500	12.5	0.0	NO		NO	bb
8	8	171016M4_9	Standard	12.500	4.10	58791.082	58791.082	12.500	12.5	0.0	NO		NO	bb
9	9	171016M4_10	Standard	12.500	4.09	58064.219	58064.219	12.500	12.5	0.0	NO		NO	MM

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Tuesday, October 17, 2017 11:42:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:43:38 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171016M4_1	IPA	16-Oct-17	13:37:31
2	171016M4_2	ST171016M4-1 PFC CS-2 17J1605	16-Oct-17	13:48:20
3	171016M4_3	ST171016M4-2 PFC CS-1 17J1620	16-Oct-17	13:58:59
4	171016M4_4	ST171016M4-3 PFC CS0 17J1603	16-Oct-17	14:09:45
5	171016M4_5	ST171016M4-4 PFC CS1 17J1608	16-Oct-17	14:20:23
6	171016M4_6	ST171016M4-5 PFC CS2 17J1609	16-Oct-17	14:31:02
7	171016M4_7	ST171016M4-6 PFC CS3 17J1602	16-Oct-17	14:41:48
8	171016M4_8	ST171016M4-7 PFC CS4 17J1611	16-Oct-17	14:52:26
9	171016M4_9	ST171016M4-8 PFC CS5 17J1612	16-Oct-17	15:03:05
10	171016M4_10	ST171016M4-9 PFC CS6 17J1613	16-Oct-17	15:13:43
11	171016M4_11	ST171016M4-10 PFC CS7 17J1614	16-Oct-17	15:24:22
12	171016M4_12	IPA	16-Oct-17	15:35:00
13	171016M4_13	ICV171016M4-1 PFC ICV 17J1615	16-Oct-17	15:45:39

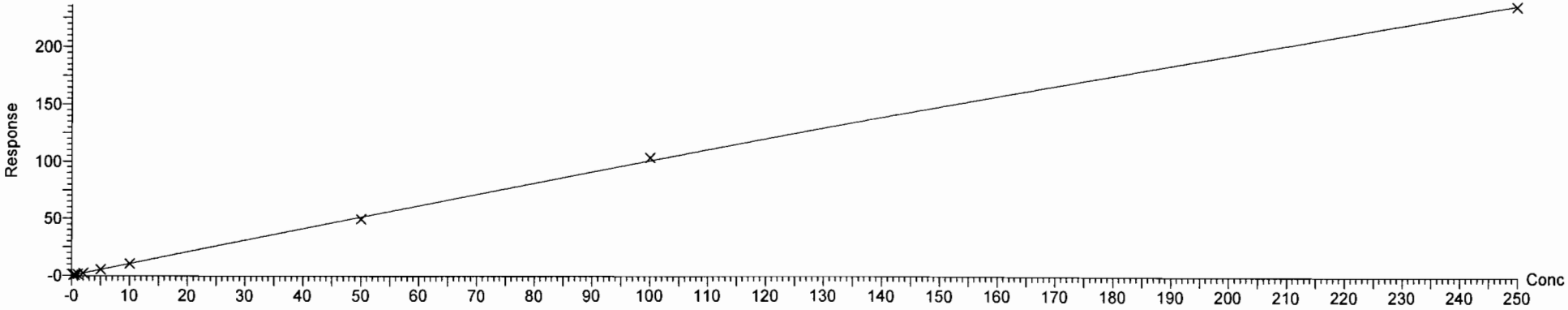
Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 10:28:44
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

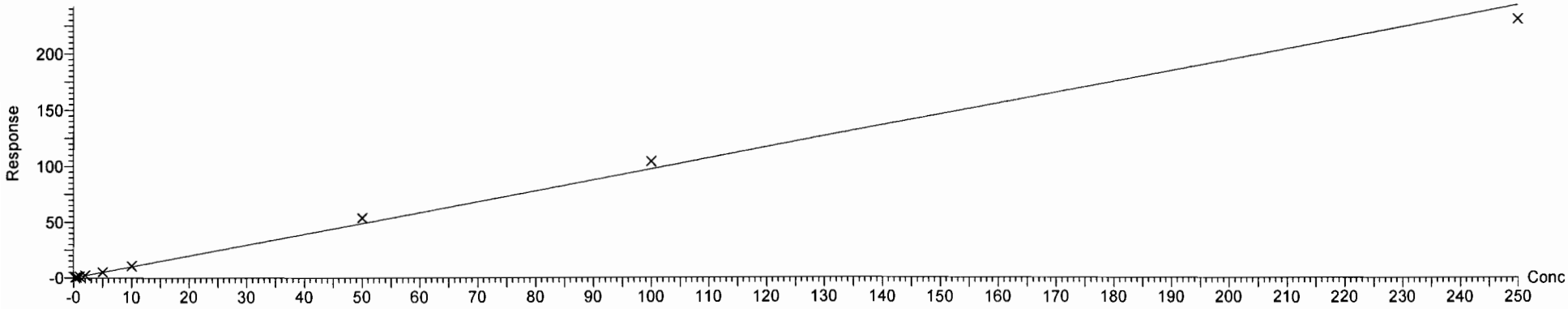
Compound name: PFBA
Coefficient of Determination: R^2 = 0.999572
Calibration curve: -0.000411668 * x^2 + 1.04647 * x + 0.0547373
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



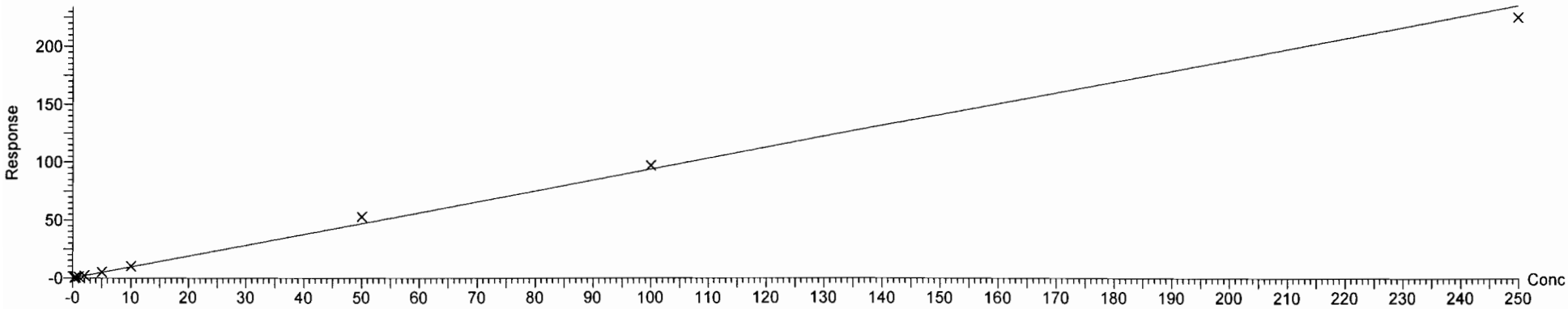
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: PFPeA
Correlation coefficient: r = 0.997805, r^2 = 0.995614
Calibration curve: 0.968078 * x + 0.0559229
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



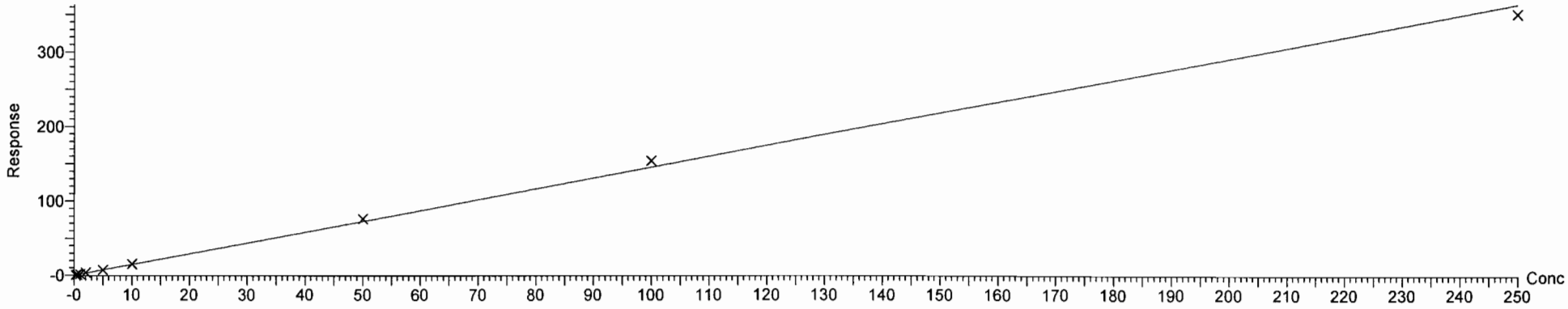
Compound name: PFBS
Correlation coefficient: r = 0.998182, r^2 = 0.996368
Calibration curve: 0.93521 * x + 0.0450504
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



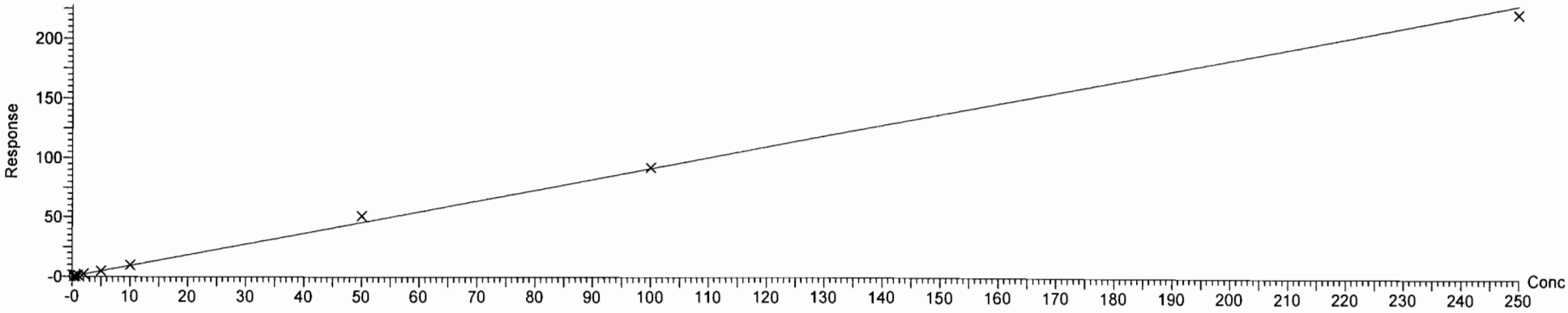
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: PFHxA
Correlation coefficient: r = 0.999045, r^2 = 0.998090
Calibration curve: 1.45126 * x + 0.127244
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



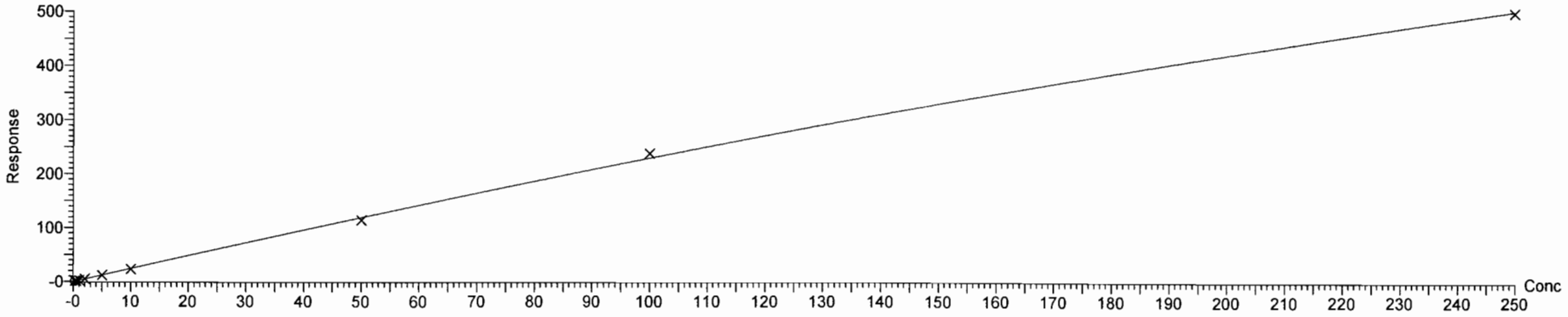
Compound name: PFHpA
Correlation coefficient: r = 0.998725, r^2 = 0.997452
Calibration curve: 0.910048 * x + 0.139312
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



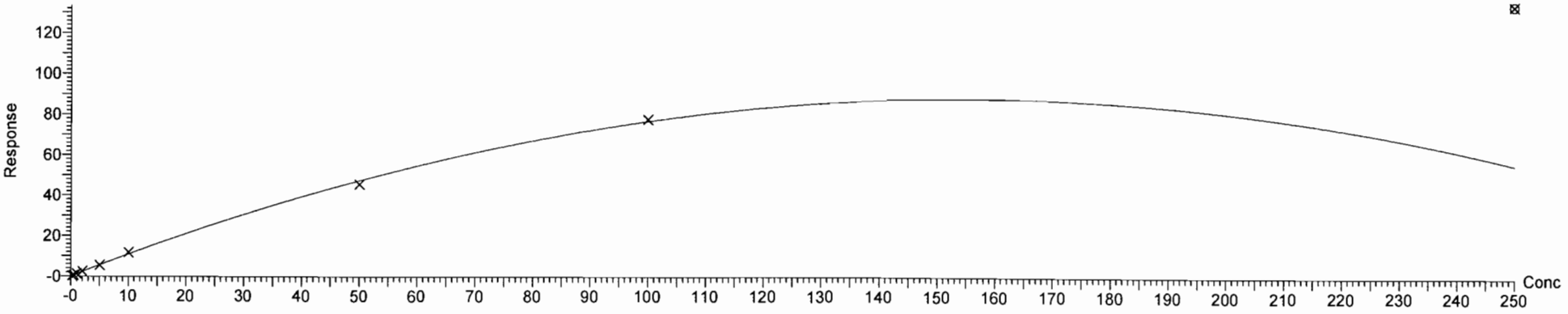
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: L-PFHxS
Coefficient of Determination: R^2 = 0.999304
Calibration curve: -0.00196542 * x^2 + 2.49413 * x + -0.583613
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



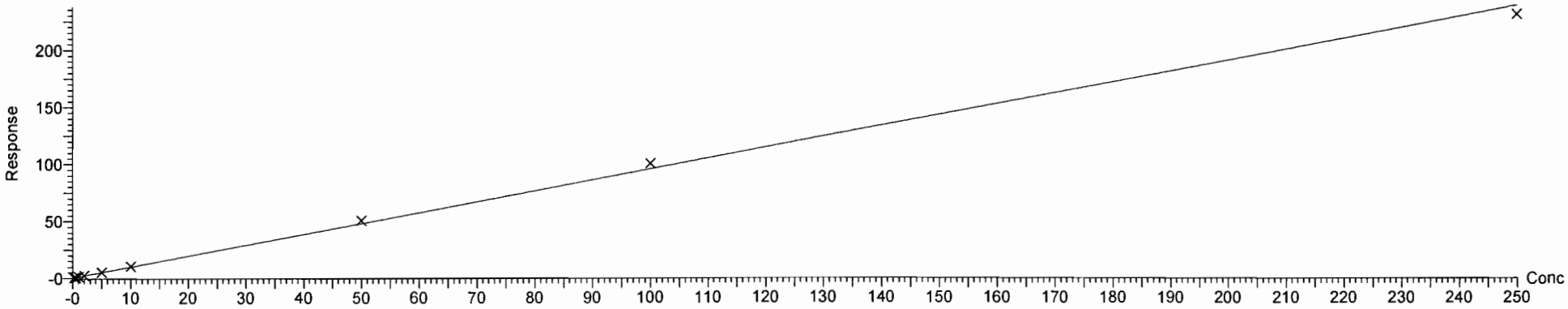
Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.998204
Calibration curve: -0.00362613 * x^2 + 1.12891 * x + -0.0255203
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



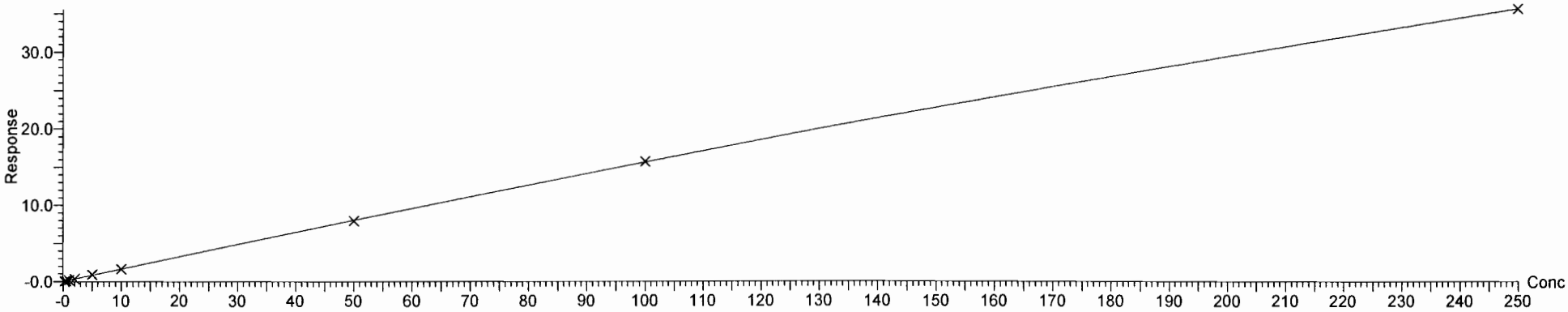
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: L-PFOA
Correlation coefficient: r = 0.999096, r^2 = 0.998193
Calibration curve: 0.947972 * x + 0.469792
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



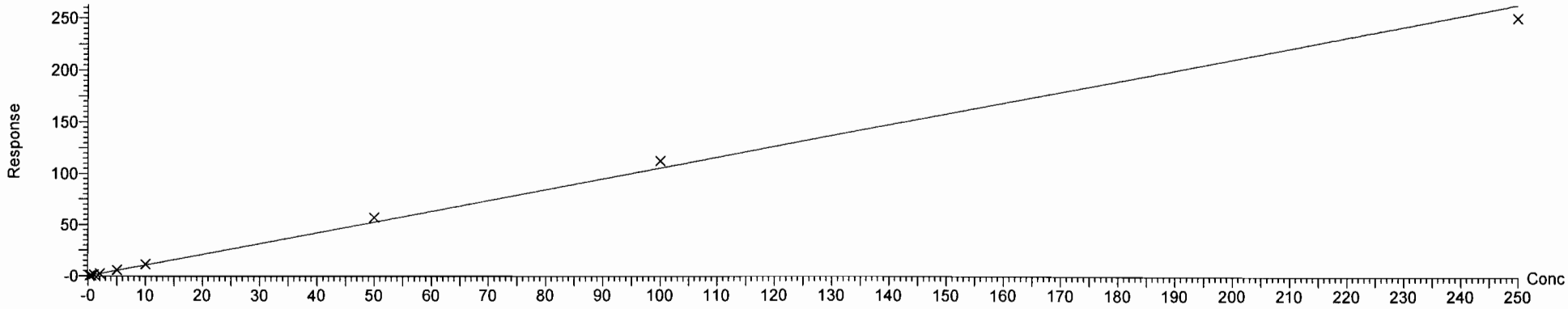
Compound name: PFHpS
Coefficient of Determination: R^2 = 0.999882
Calibration curve: -9.27459e-005 * x^2 + 0.165226 * x + -0.0072558
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



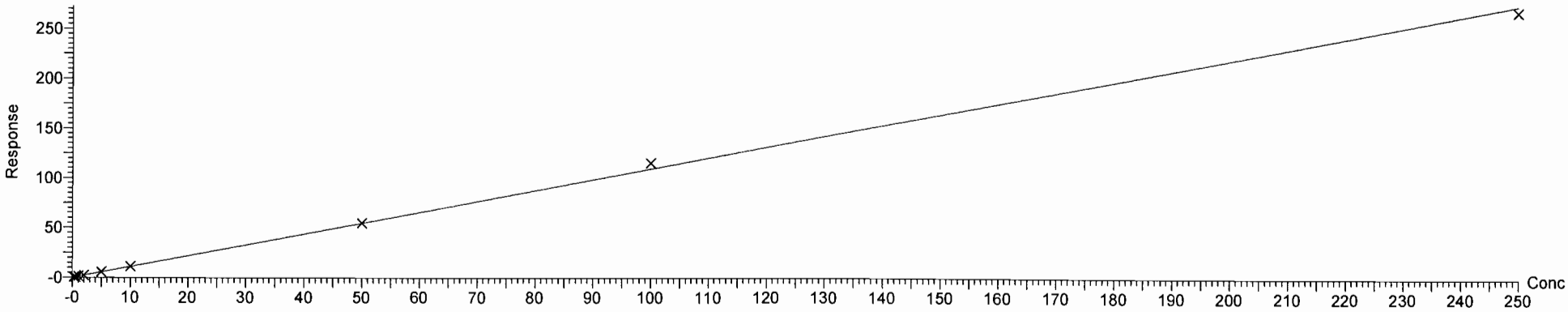
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: PFNA
Correlation coefficient: r = 0.998261, r^2 = 0.996525
Calibration curve: 1.04944 * x + 0.0896036
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



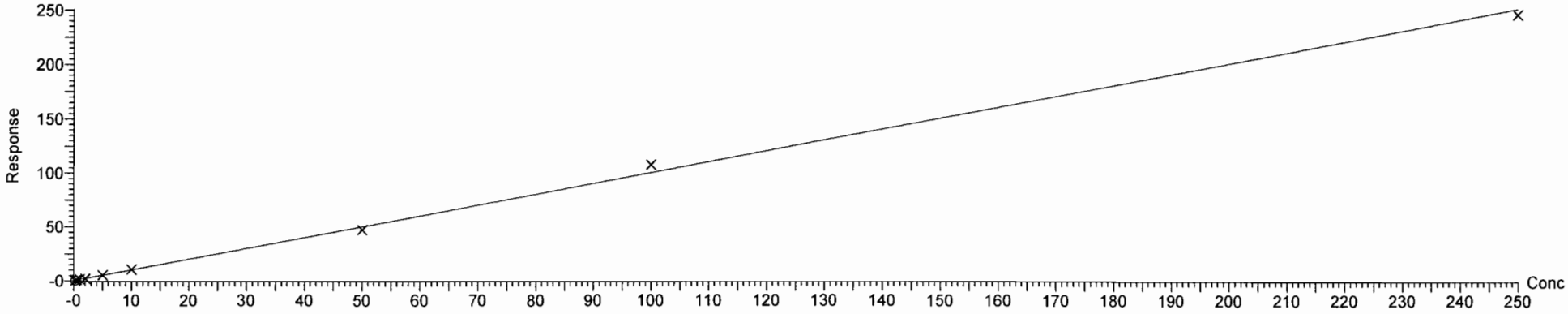
Compound name: PFOSA
Correlation coefficient: r = 0.999454, r^2 = 0.998909
Calibration curve: 1.08946 * x + 0.0386365
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



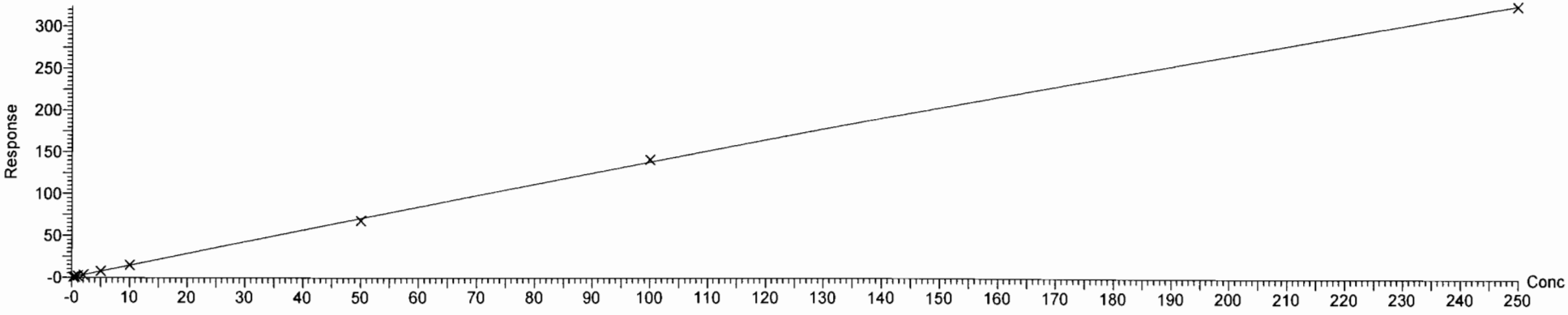
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: L-PFOS
Correlation coefficient: r = 0.998801, r^2 = 0.997603
Calibration curve: 1.00192 * x + 0.136894
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



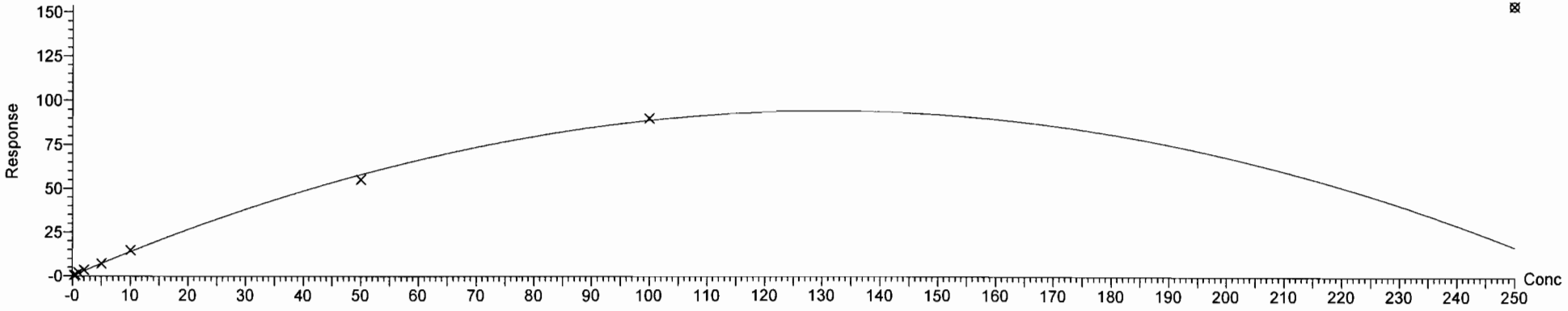
Compound name: PFDA
Coefficient of Determination: R^2 = 0.999577
Calibration curve: -0.000550358 * x^2 + 1.43504 * x + 0.133654
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



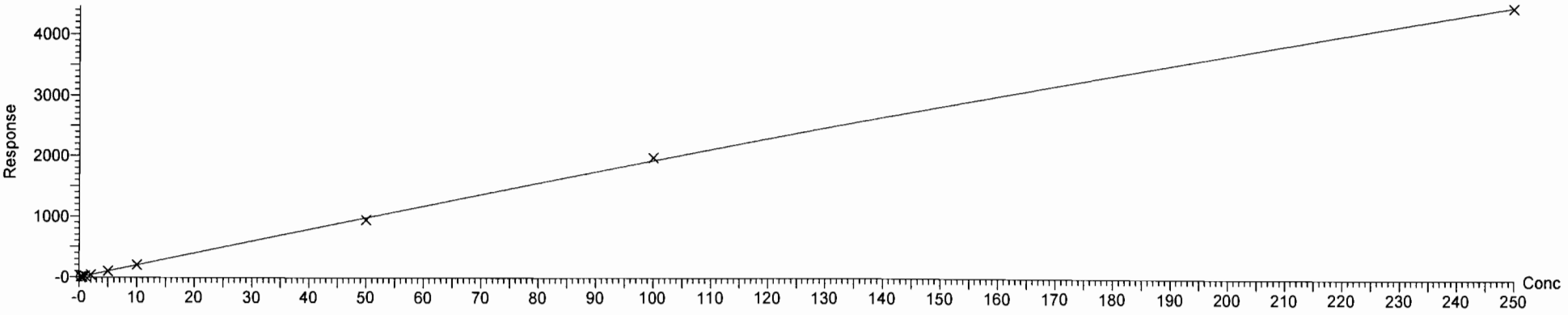
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.996536
Calibration curve: -0.00545121 * x^2 + 1.43029 * x + 0.0646656
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



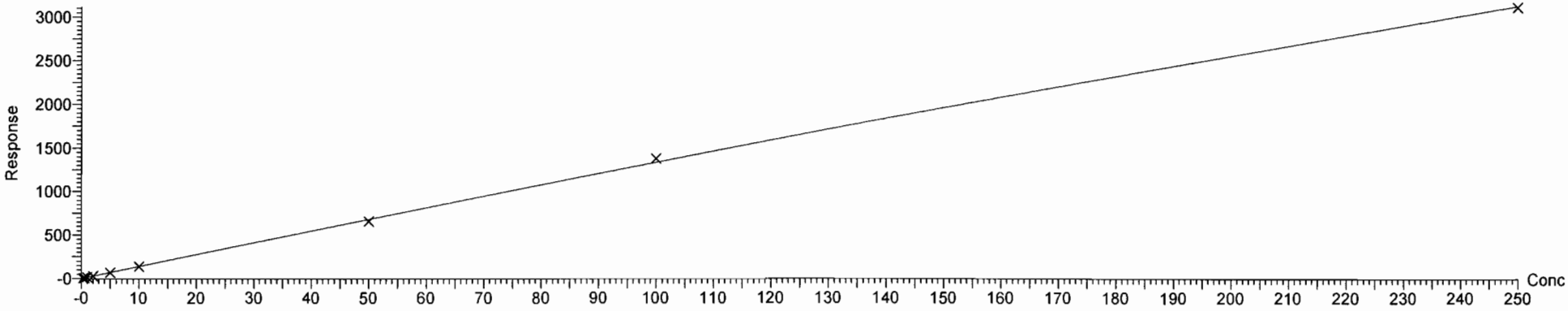
Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.999559
Calibration curve: -0.00930486 * x^2 + 20.1709 * x + -3.71166
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



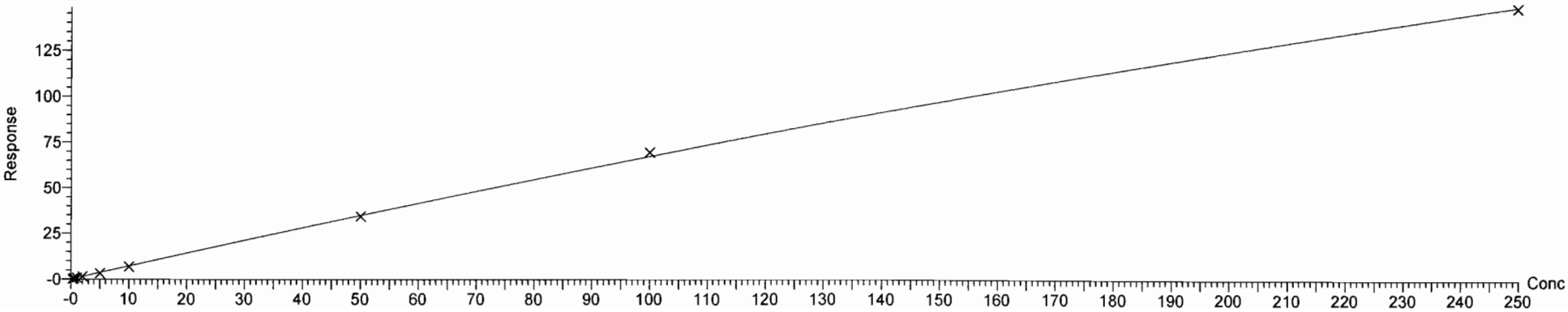
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.999517
Calibration curve: -0.00570746 * x^2 + 13.8788 * x + -0.345326
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



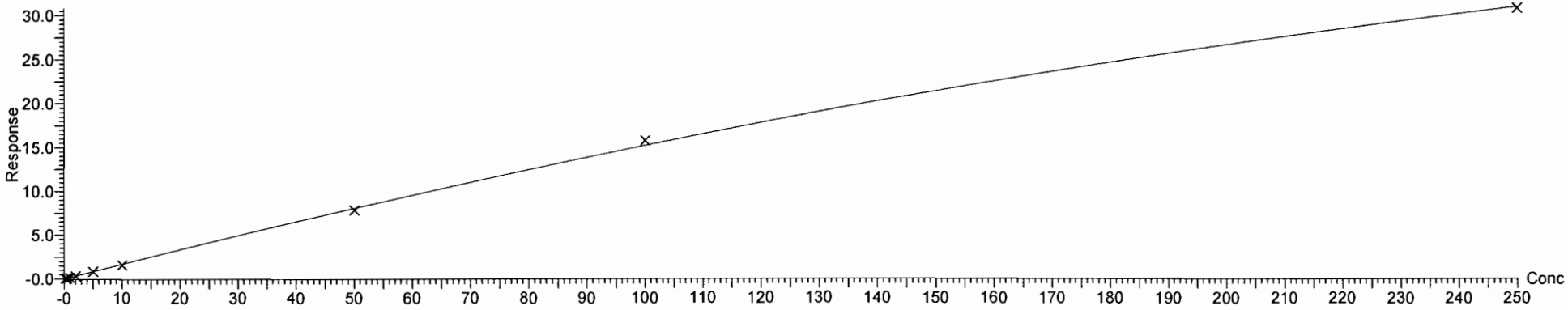
Compound name: PFUnA
Coefficient of Determination: R^2 = 0.999282
Calibration curve: -0.000531893 * x^2 + 0.725067 * x + -0.00896491
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



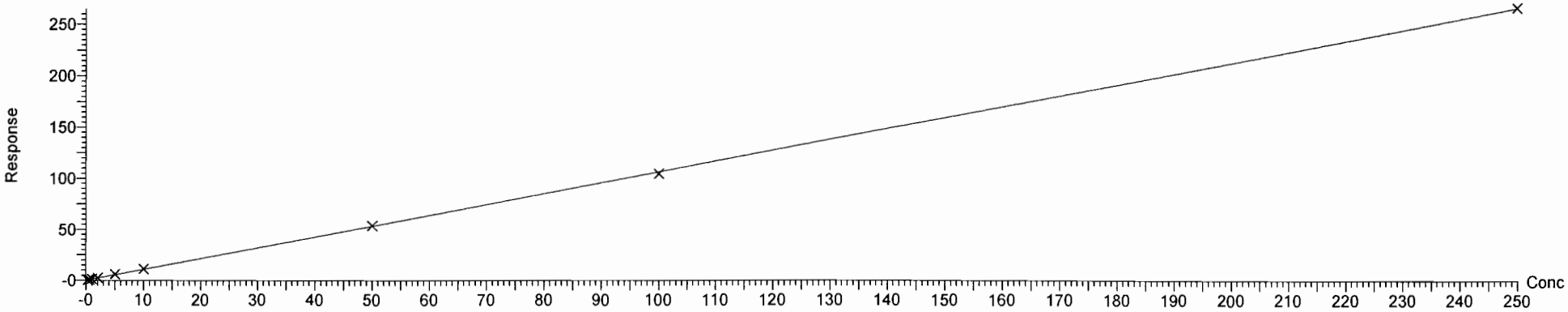
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: PFDS
Coefficient of Determination: R^2 = 0.999072
Calibration curve: -0.000187305 * x^2 + 0.170236 * x + -0.0174243
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



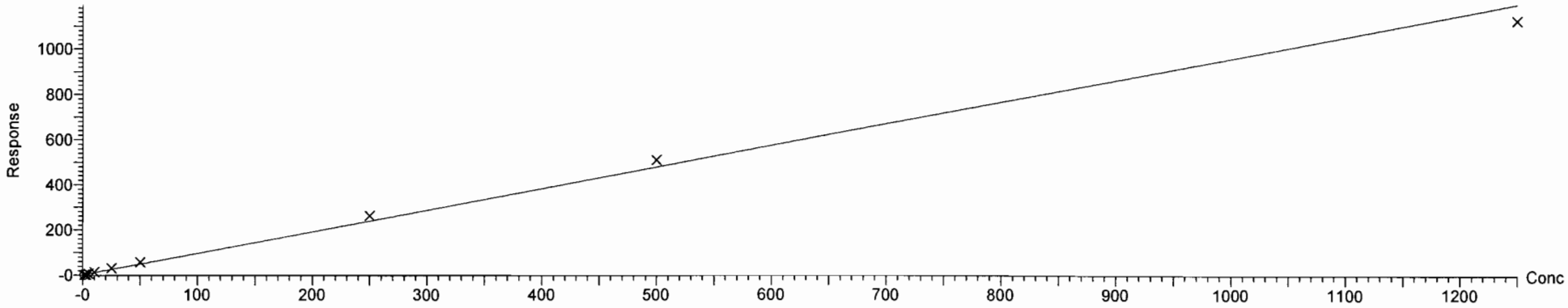
Compound name: PFDoA
Coefficient of Determination: R^2 = 0.999758
Calibration curve: -1.10883e-005 * x^2 + 1.0586 * x + 0.091095
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



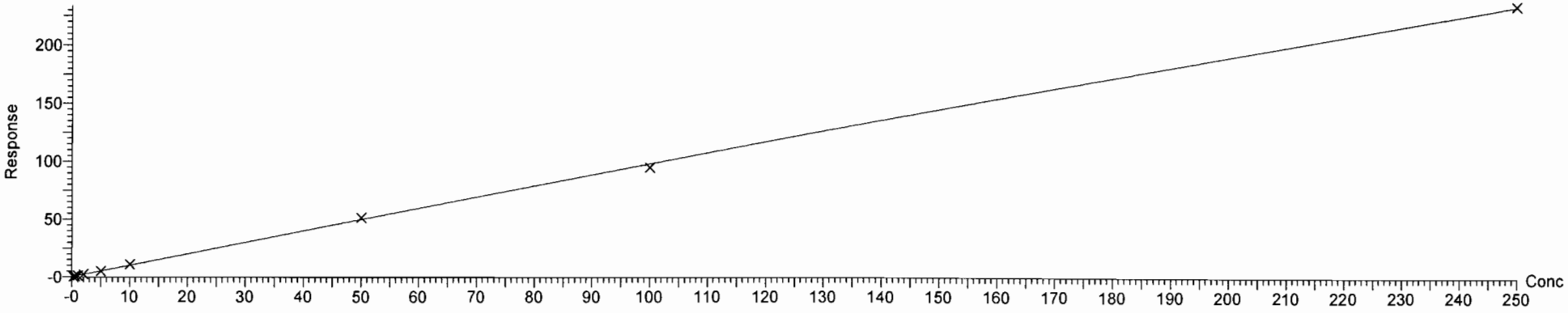
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: N-MeFOSA
Correlation coefficient: r = 0.996857, r^2 = 0.993724
Calibration curve: 0.953763 * x + 1.09822
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



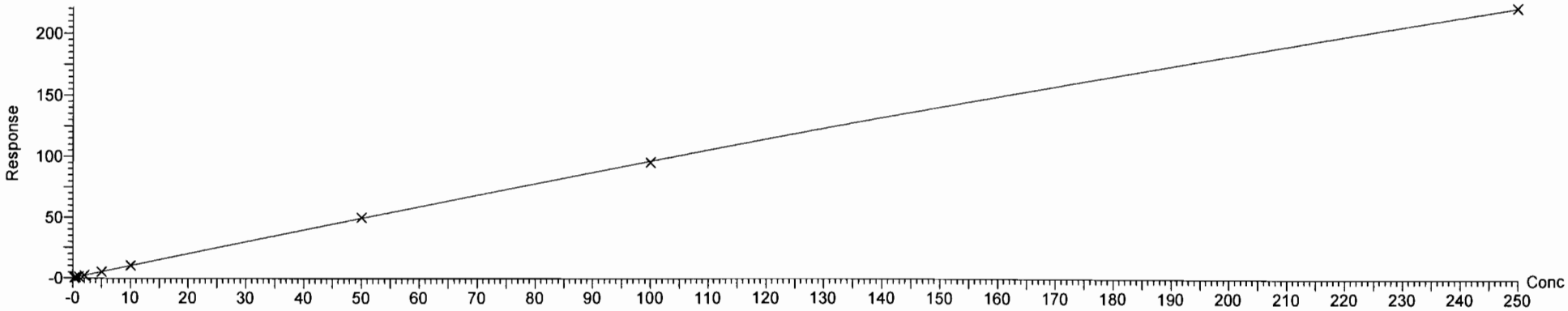
Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.999362
Calibration curve: -0.000344026 * x^2 + 1.01721 * x + -0.0196622
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



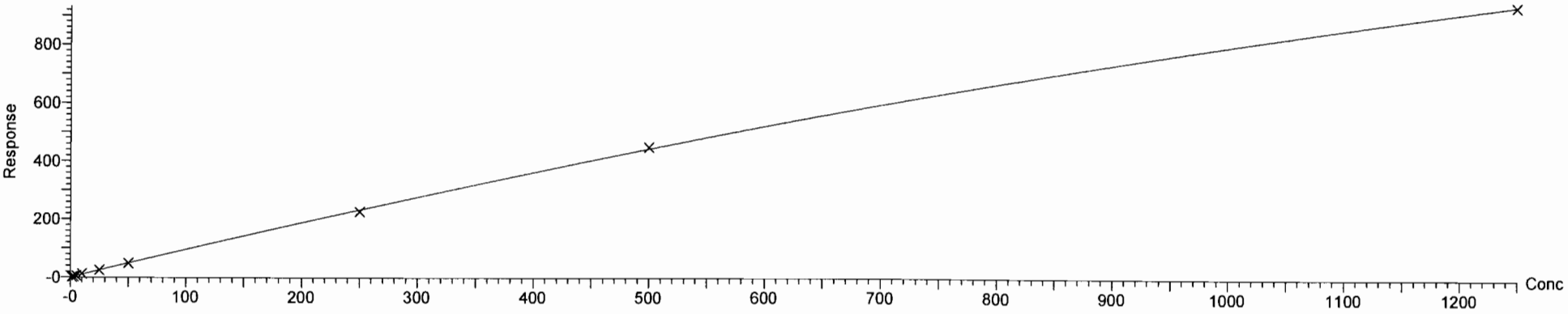
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.999913
Calibration curve: -0.000514105 * x^2 + 1.01257 * x + 0.0157836
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



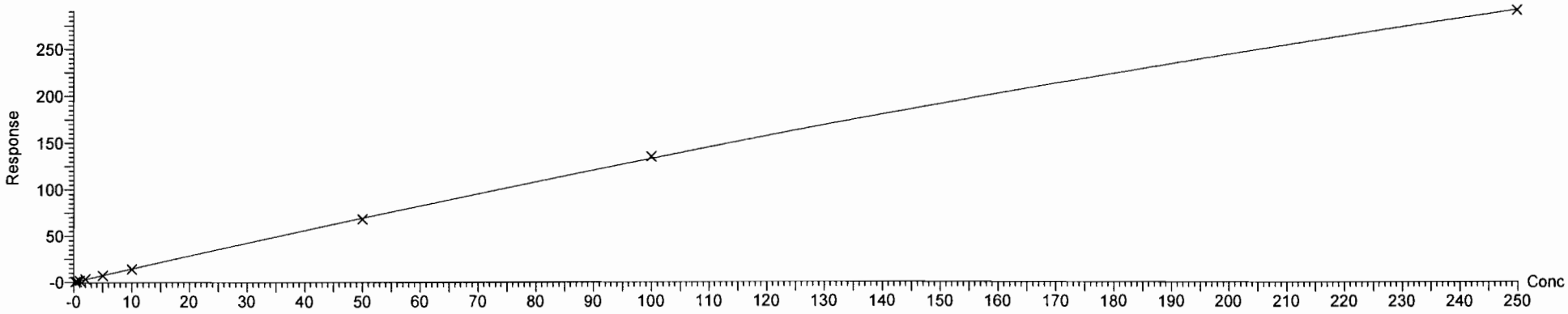
Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999727
Calibration curve: -0.000186344 * x^2 + 0.978692 * x + 0.0187189
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



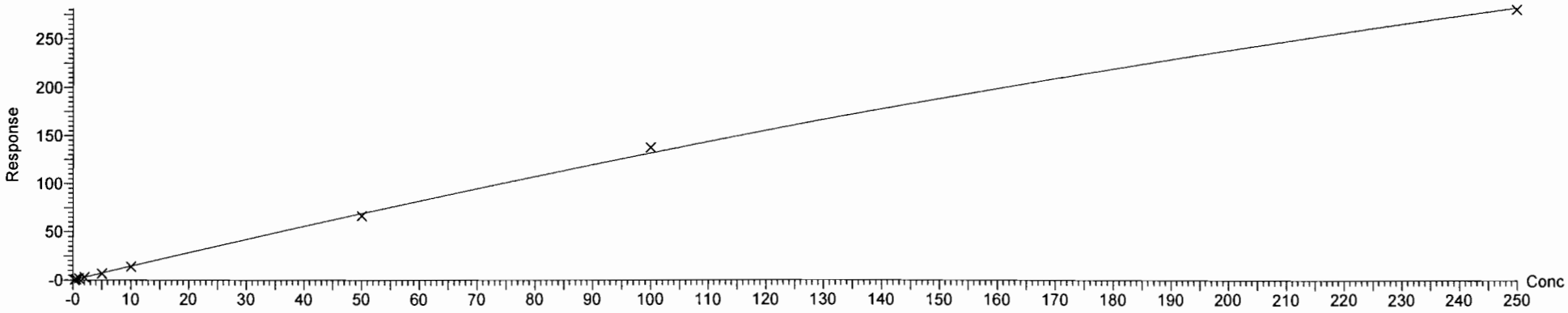
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999812
Calibration curve: -0.00107185 * x^2 + 1.4288 * x + 0.15654
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



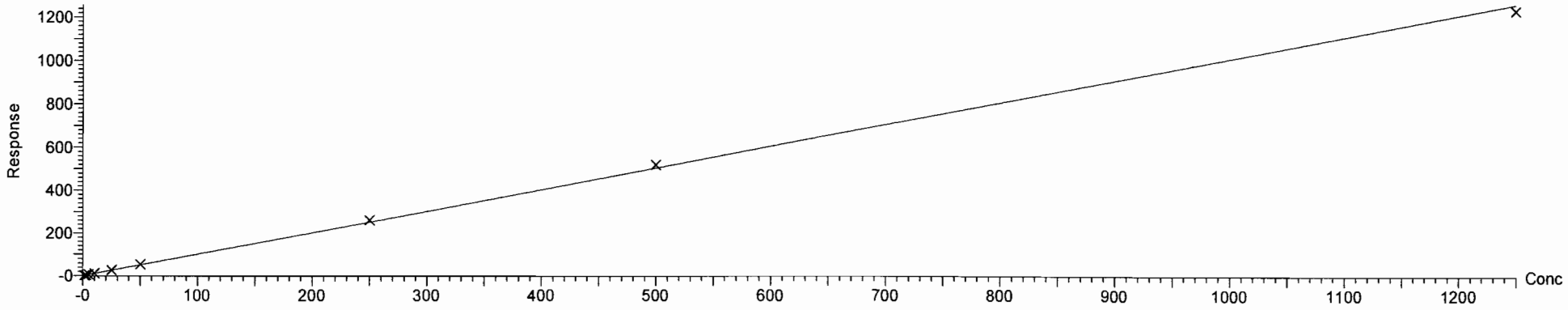
Compound name: PFODA
Coefficient of Determination: R^2 = 0.998989
Calibration curve: -0.00125278 * x^2 + 1.43762 * x + -0.0205247
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



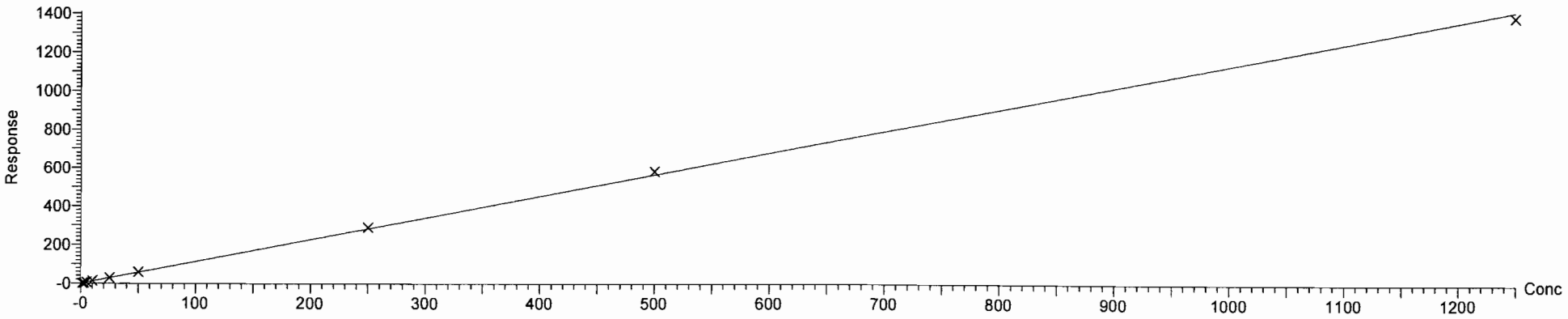
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:28:55 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:32:07 Pacific Daylight Time

Compound name: N-MeFOSE
Correlation coefficient: r = 0.999615, r^2 = 0.999231
Calibration curve: 1.00484 * x + 0.341573
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Compound name: N-EtFOSE
Correlation coefficient: r = 0.999656, r^2 = 0.999312
Calibration curve: 1.1255 * x + 0.412367
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Vista Analytical Laboratory

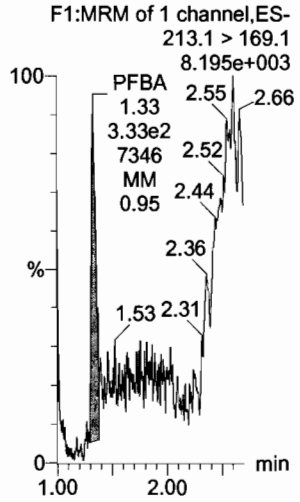
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

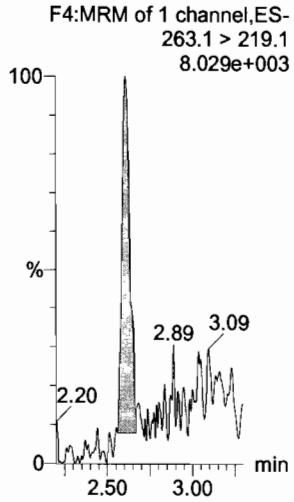
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 10:28:44
Calibration: 17 Oct 2017 11:14:24

Name: 171016M4_2, Date: 16-Oct-2017, Time: 13:48:20, ID: ST171016M4-1 PFC CS-2 17J1605, Description: PFC CS-2 17J1605

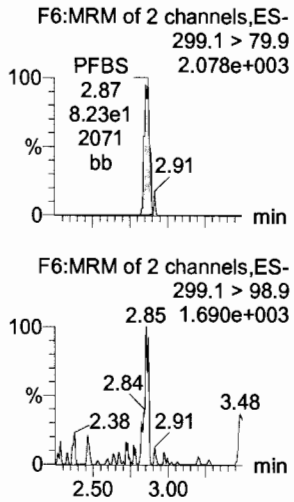
PFBA



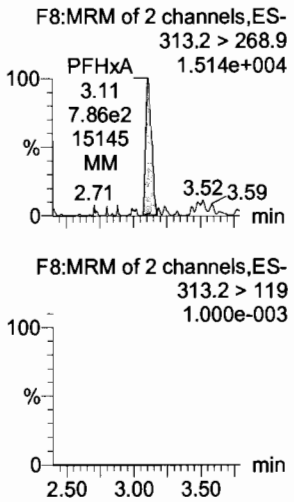
PFPeA



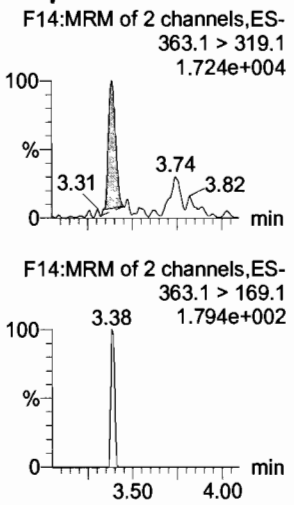
PFBS



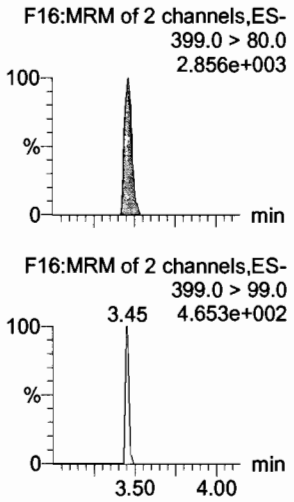
PFHxA



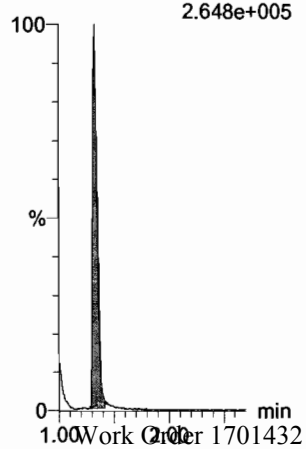
PFHpA



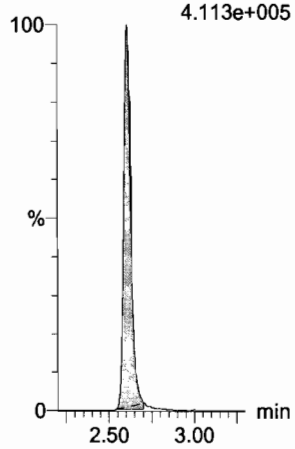
L-PFHxS



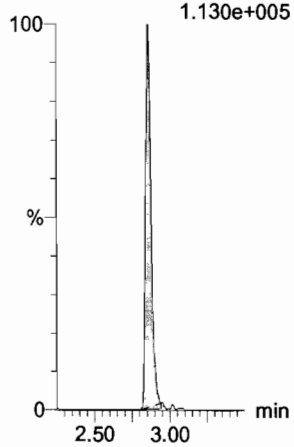
13C3-PFBA



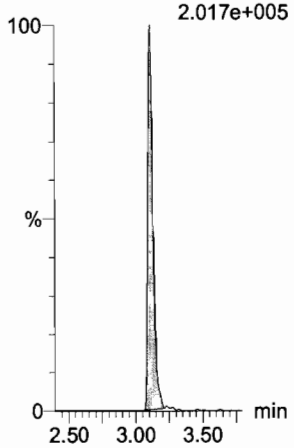
13C3-PFPeA



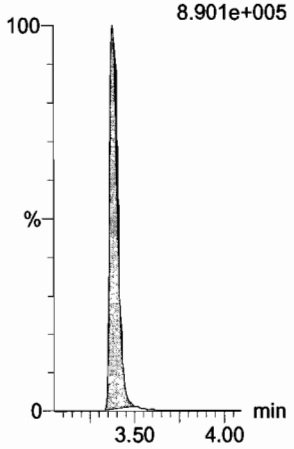
13C3-PFBS



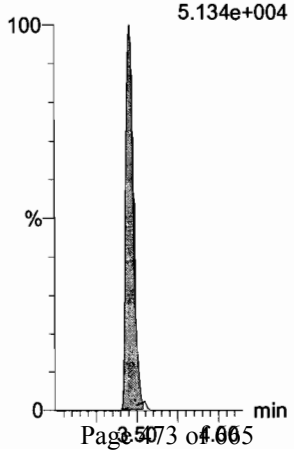
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

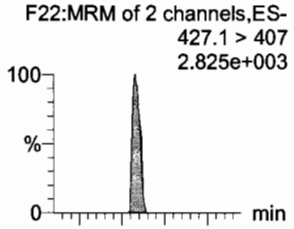


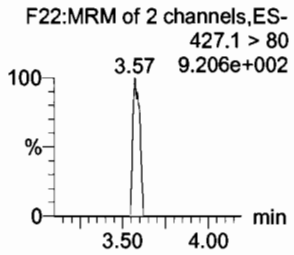
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

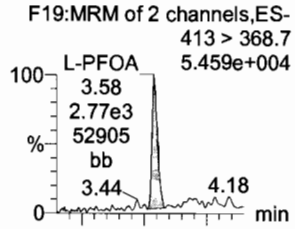
Name: 171016M4_2, Date: 16-Oct-2017, Time: 13:48:20, ID: ST171016M4-1 PFC CS-2 17J1605, Description: PFC CS-2 17J1605

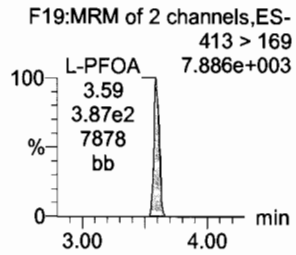
6:2 FTS



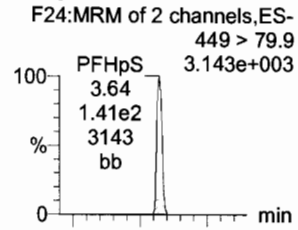


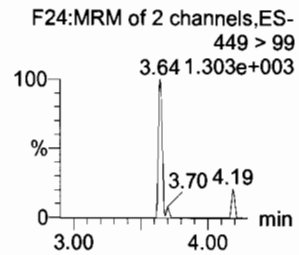
L-PFOA



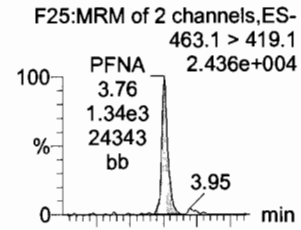


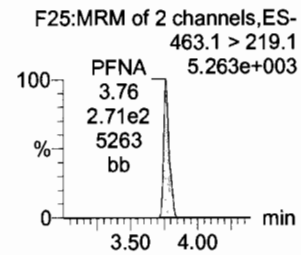
PFHpS



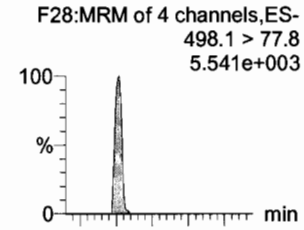


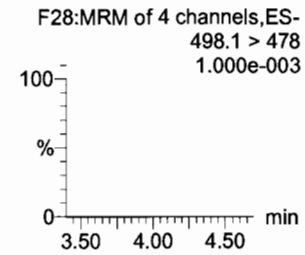
PFNA



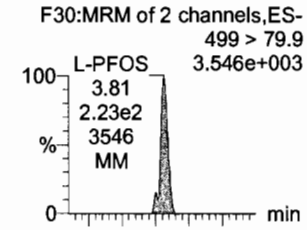


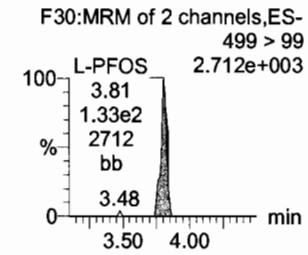
PFOSA



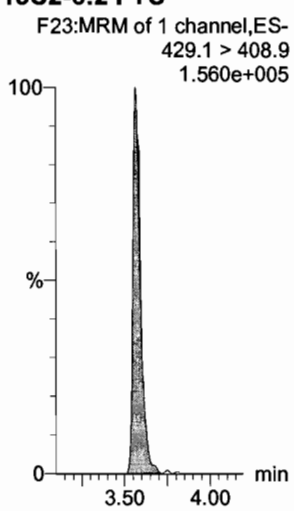


L-PFOS

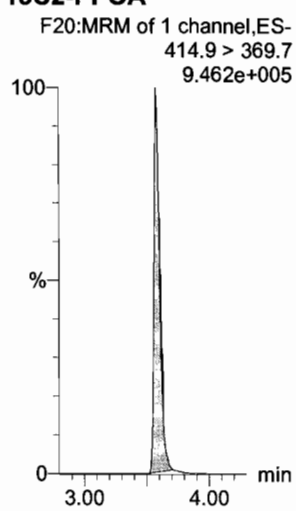




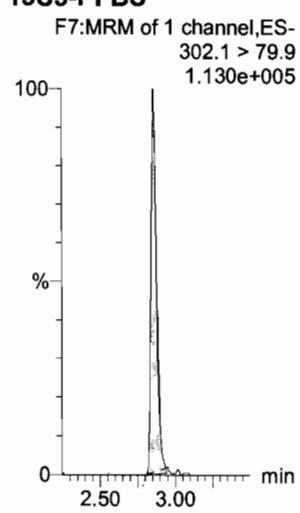
13C2-6:2 FTS



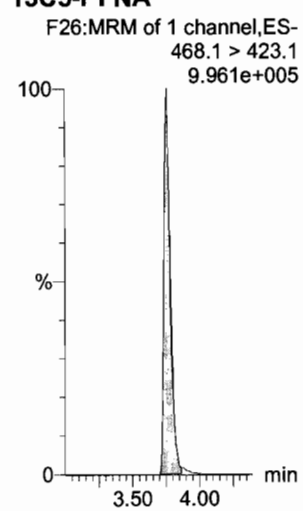
13C2-PFOA



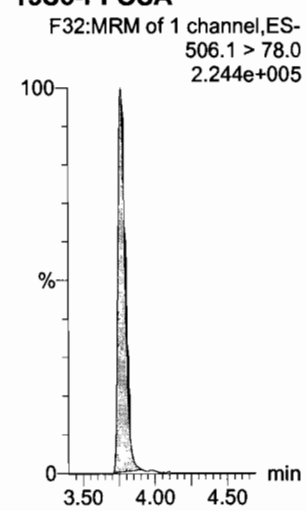
13C3-PFBS



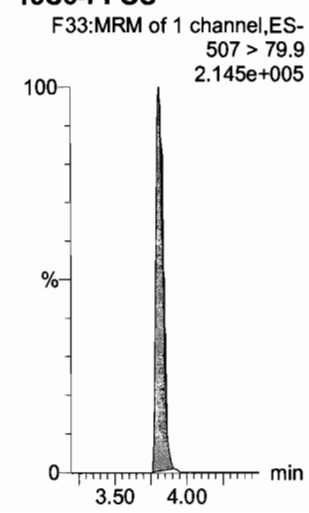
13C5-PFNA



13C8-PFOSA



13C8-PFOS

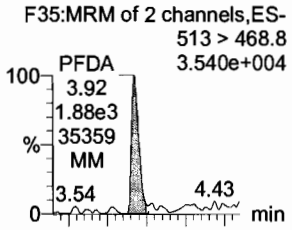


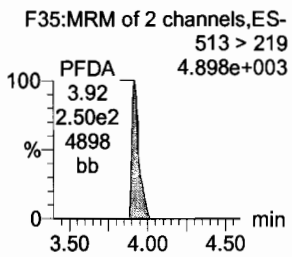
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

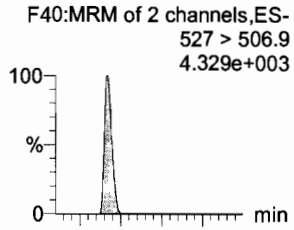
Name: 171016M4_2, Date: 16-Oct-2017, Time: 13:48:20, ID: ST171016M4-1 PFC CS-2 17J1605, Description: PFC CS-2 17J1605

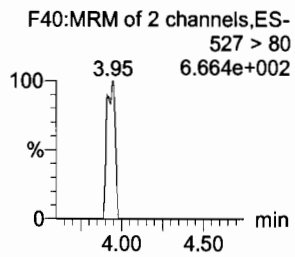
PFDA



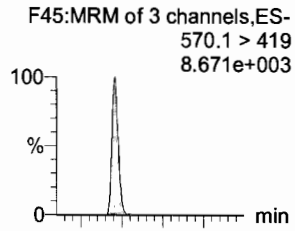


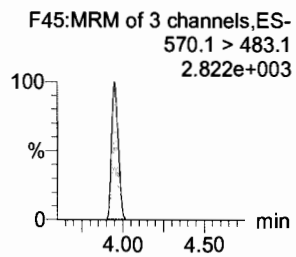
8:2 FTS



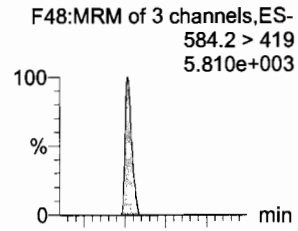


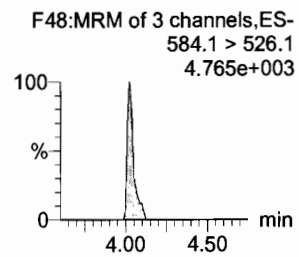
N-MeFOSAA



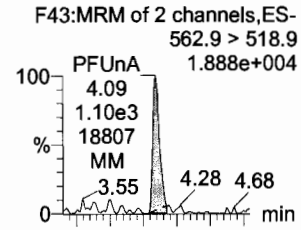


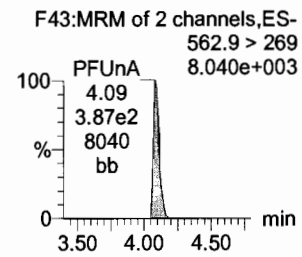
N-EtFOSAA



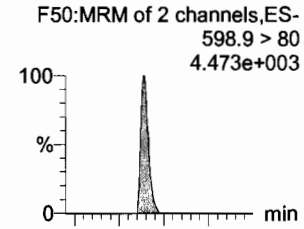


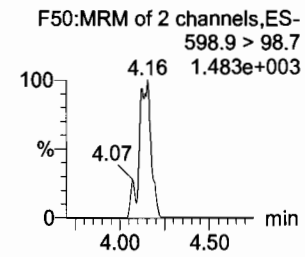
PFUnA



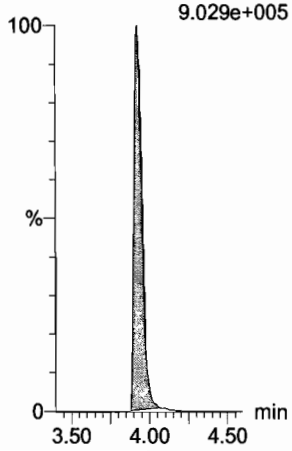


PFDS

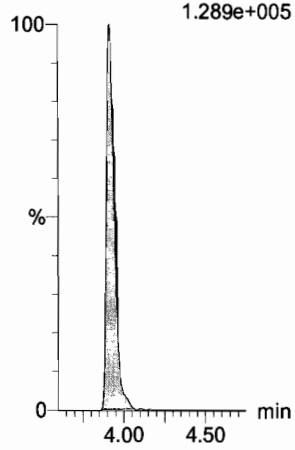




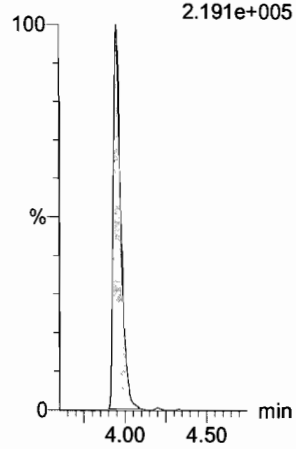
13C2-PFDA



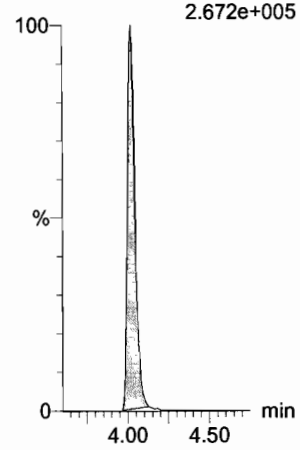
13C2-8:2 FTS



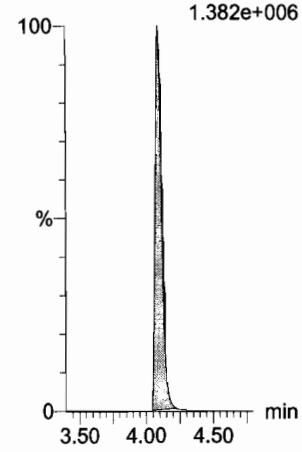
d3-N-MeFOSAA



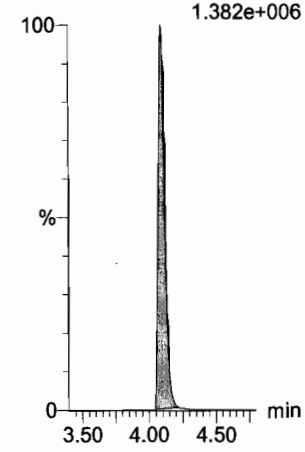
d5-N-EtFOSAA



13C2-PFUnA



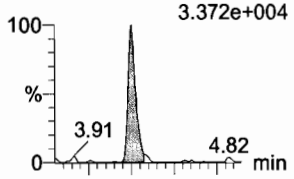
13C2-PFUnA

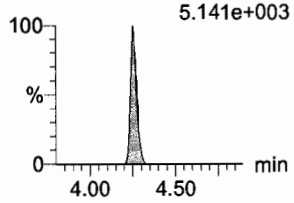


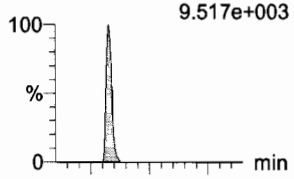
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

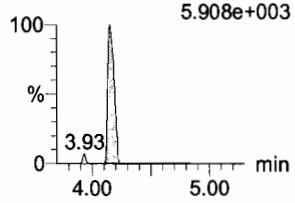
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

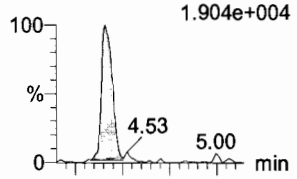
Name: 171016M4_2, Date: 16-Oct-2017, Time: 13:48:20, ID: ST171016M4-1 PFC CS-2 17J1605, Description: PFC CS-2 17J1605

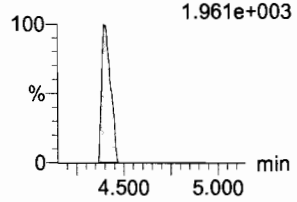
PFDoA
F51:MRM of 4 channels,ES-
613.0 > 569.1
3.372e+004


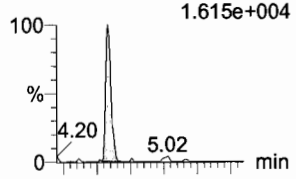
F51:MRM of 4 channels,ES-
613.0 > 319.1
5.141e+003


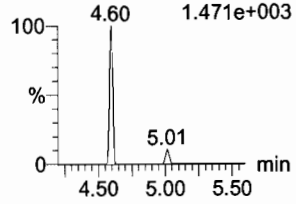
N-MeFOSA
F34:MRM of 2 channels,ES-
512.1 > 168.9
9.517e+003


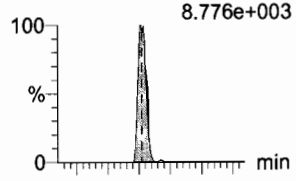
F34:MRM of 2 channels,ES-
512.1 > 219
5.908e+003


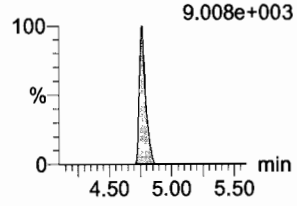
PFTrDA
F57:MRM of 2 channels,ES-
662.9 > 618.9
1.904e+004


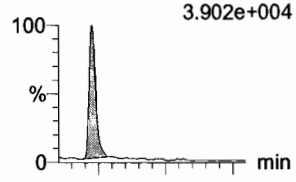
F57:MRM of 2 channels,ES-
662.9 > 319
1.961e+003


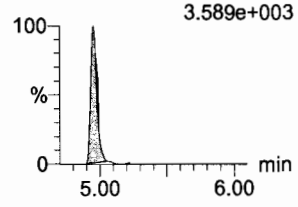
PFTeDA
F58:MRM of 4 channels,ES-
712.9 > 668.8
1.615e+004


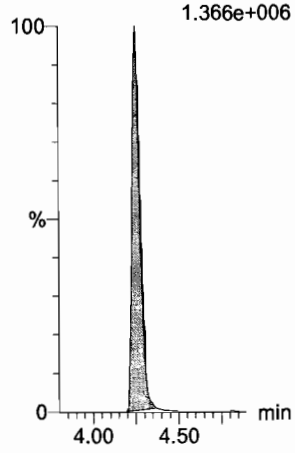
F58:MRM of 4 channels,ES-
712.9 > 369
1.471e+003


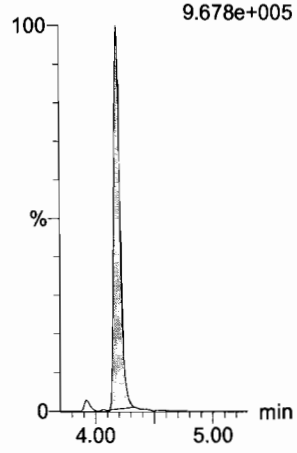
N-EtFOSA
F39:MRM of 2 channels,ES-
526.1 > 168.9
8.776e+003


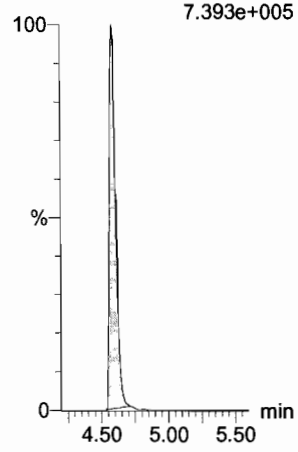
F39:MRM of 2 channels,ES-
526.1 > 219
9.008e+003


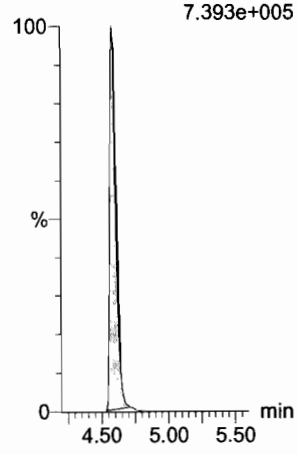
PFHxDA
F60:MRM of 2 channels,ES-
812.8 > 768.9
3.902e+004


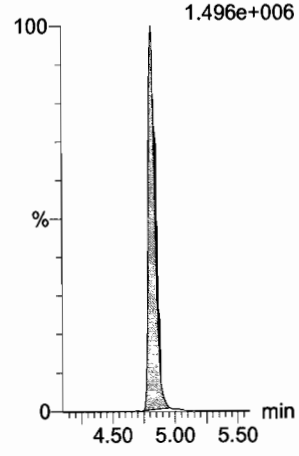
F60:MRM of 2 channels,ES-
812.8 > 219
3.589e+003


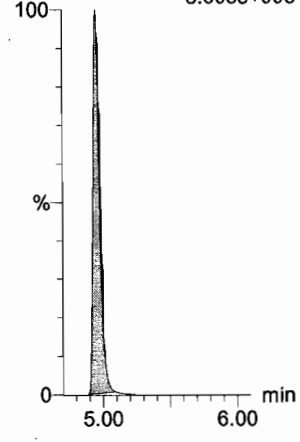
13C2-PFDoA
F52:MRM of 2 channels,ES-
615.1 > 570.1
1.366e+006


d3-N-MeFOSA
F37:MRM of 1 channel,ES-
515.2 > 168.9
9.678e+005


13C2-PFTeDA
F59:MRM of 2 channels,ES-
714.8 > 669.6
7.393e+005


13C2-PFTeDA
F59:MRM of 2 channels,ES-
714.8 > 669.6
7.393e+005


d5-N-ETFOSA
F42:MRM of 1 channel,ES-
531.1 > 168.9
1.496e+006


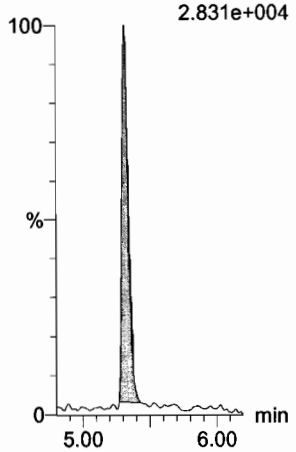
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.605e+005


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

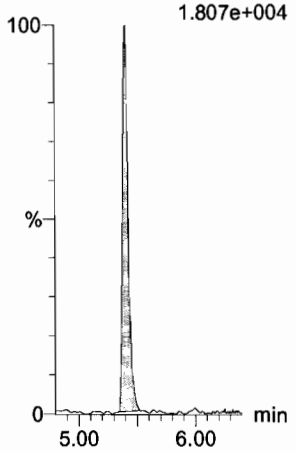
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_2, Date: 16-Oct-2017, Time: 13:48:20, ID: ST171016M4-1 PFC CS-2 17J1605, Description: PFC CS-2 17J1605

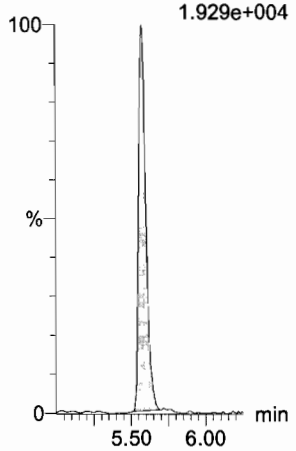
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
2.831e+004



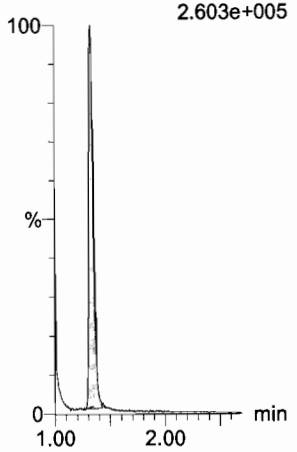
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
1.807e+004



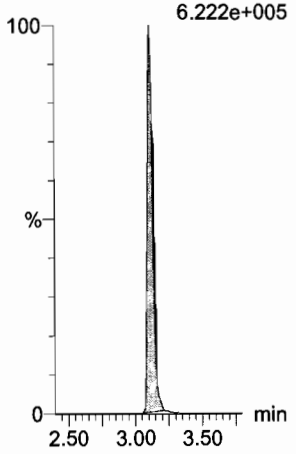
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
1.929e+004



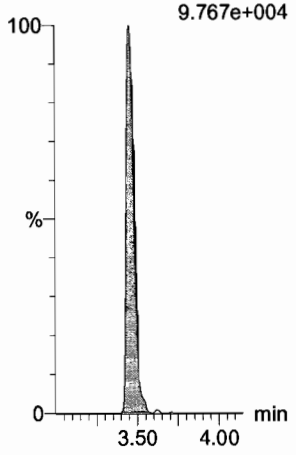
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
2.603e+005



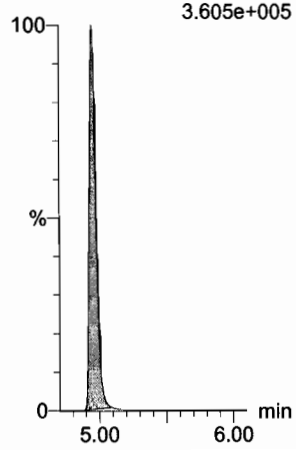
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
6.222e+005



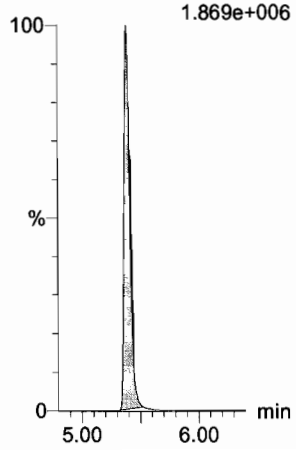
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
9.767e+004



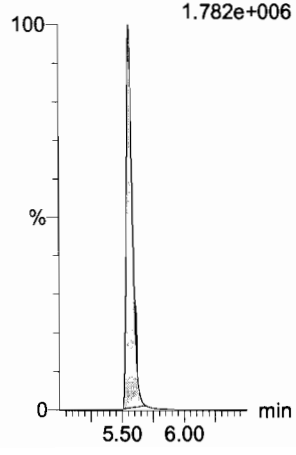
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.605e+005



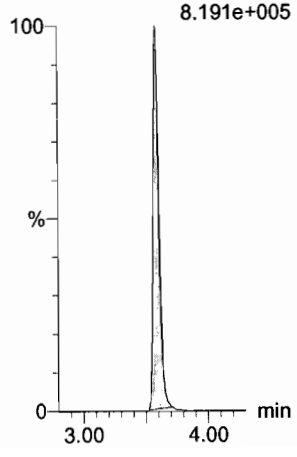
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.869e+006



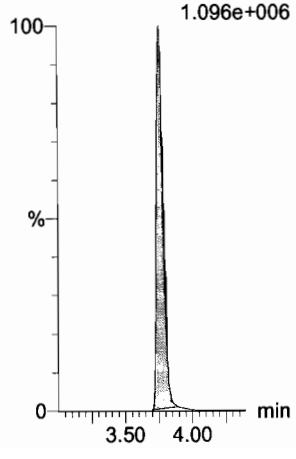
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.782e+006



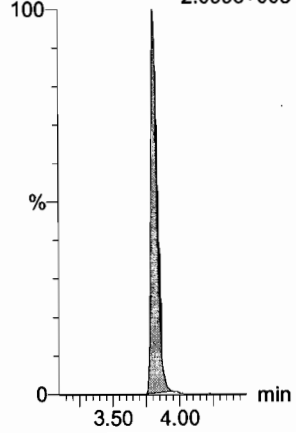
13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
8.191e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
1.096e+006



13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
2.099e+005

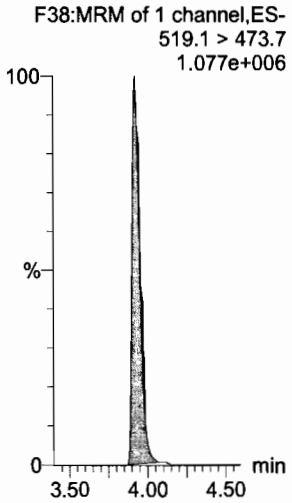


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

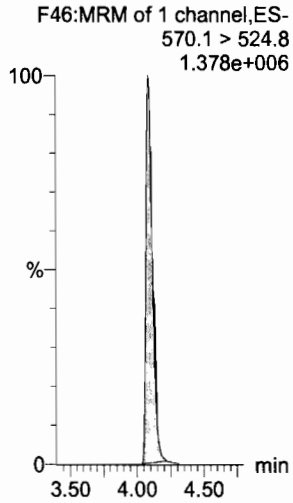
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_2, Date: 16-Oct-2017, Time: 13:48:20, ID: ST171016M4-1 PFC CS-2 17J1605, Description: PFC CS-2 17J1605

13C6-PFDA



13C7-PFUnA

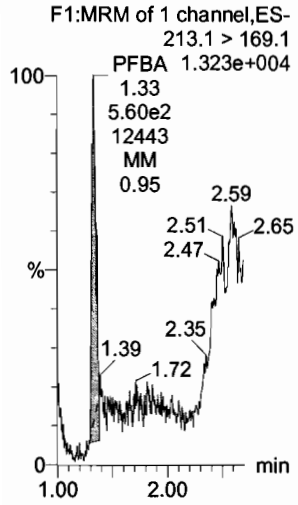


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

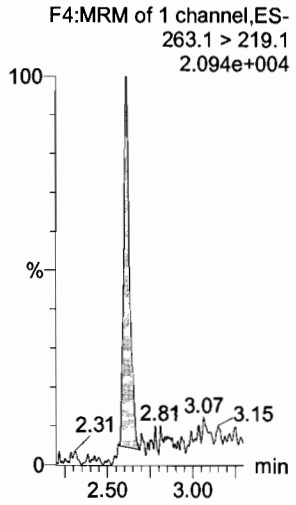
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_3, Date: 16-Oct-2017, Time: 13:58:59, ID: ST171016M4-2 PFC CS-1 17J1620, Description: PFC CS-1 17J1620

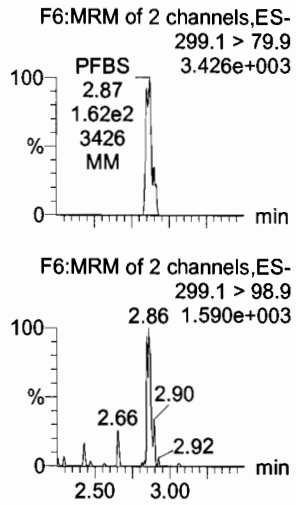
PFBA



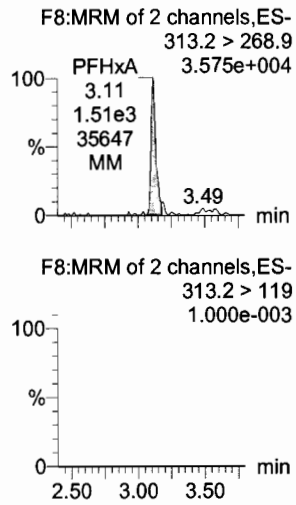
PFPeA



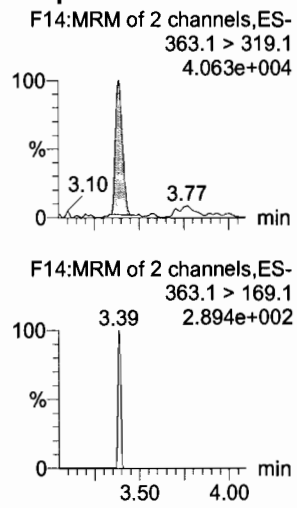
PFBS



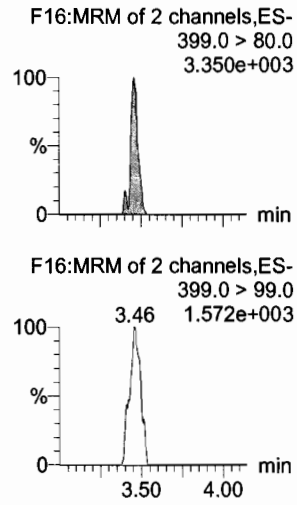
PFHxA



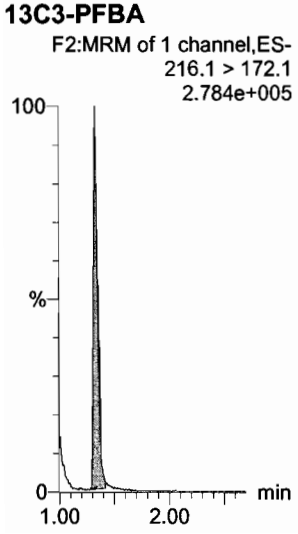
PFHpA



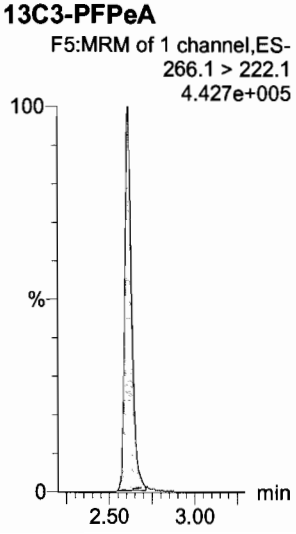
L-PFHxS



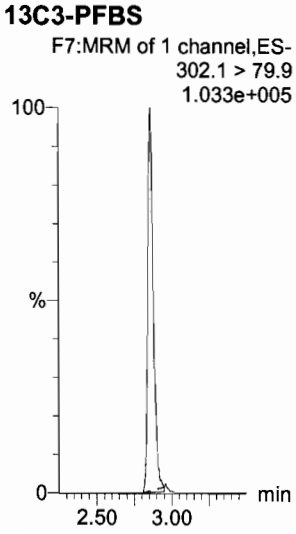
13C3-PFBA



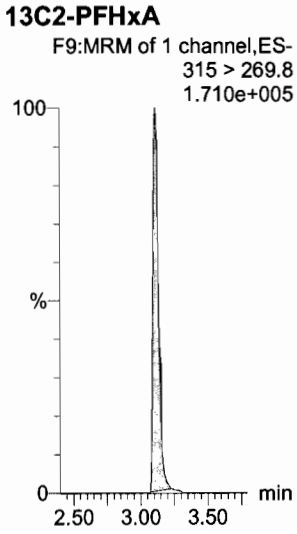
13C3-PFPeA



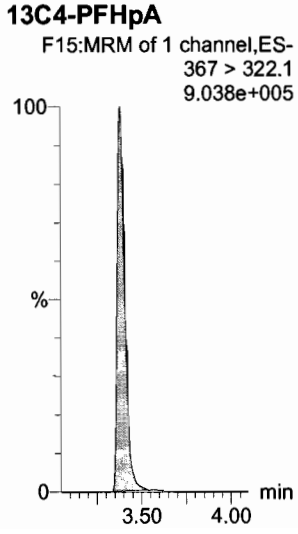
13C3-PFBS



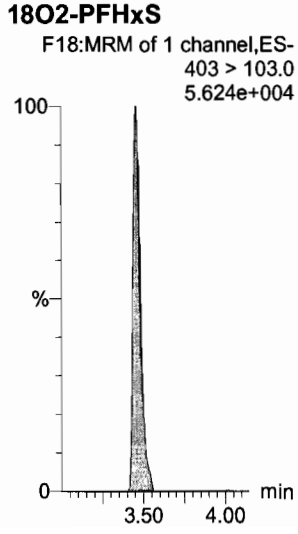
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

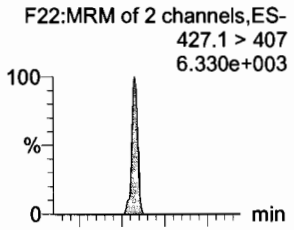


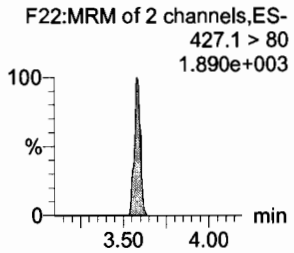
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

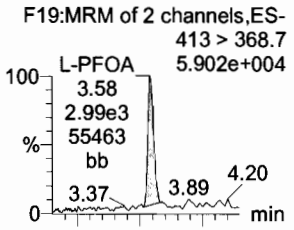
Name: 171016M4_3, Date: 16-Oct-2017, Time: 13:58:59, ID: ST171016M4-2 PFC CS-1 17J1620, Description: PFC CS-1 17J1620

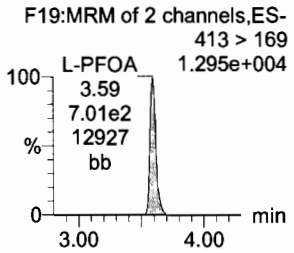
6:2 FTS



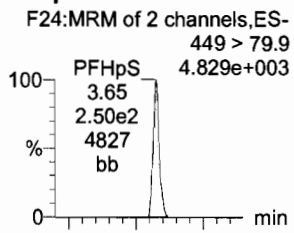


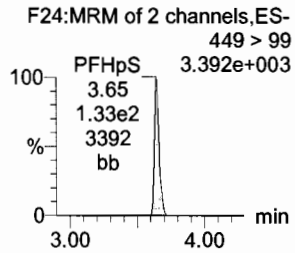
L-PFOA



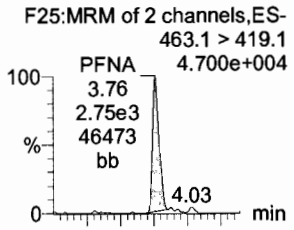


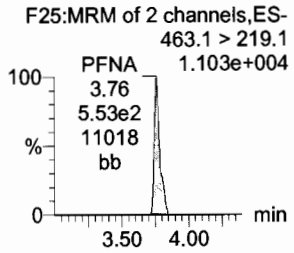
PFHpS



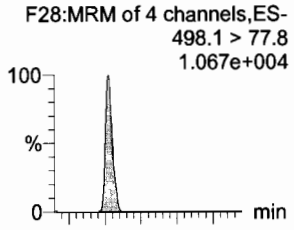


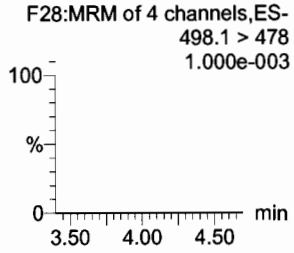
PFNA



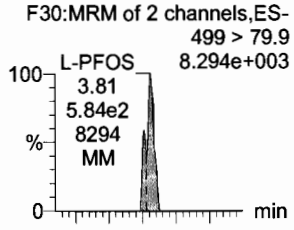


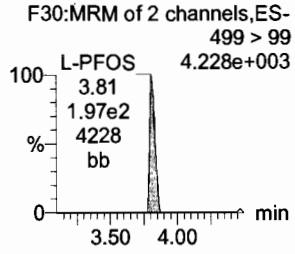
PFOSA



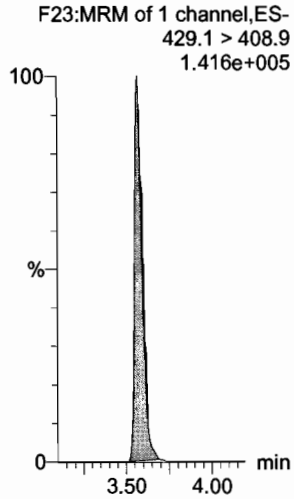


L-PFOS

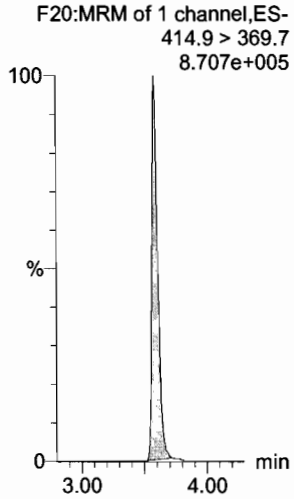




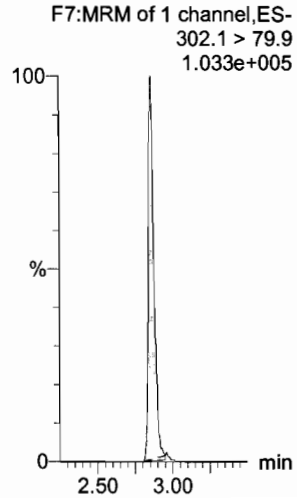
13C2-6:2 FTS



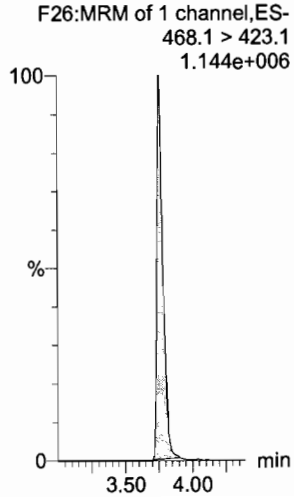
13C2-PFOA



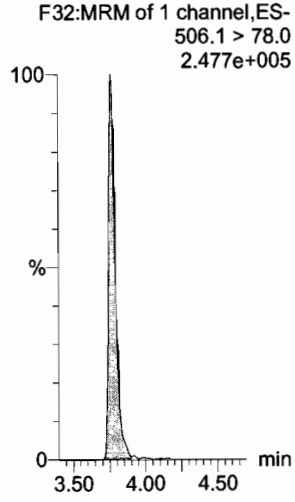
13C3-PFBS



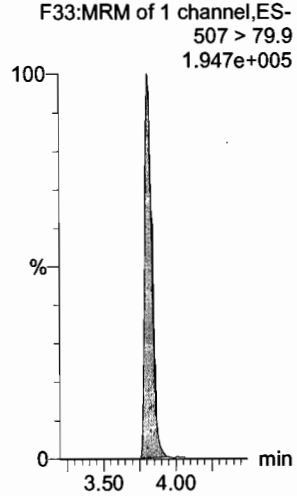
13C5-PFNA



13C8-PFOSA



13C8-PFOS

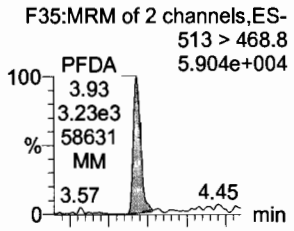


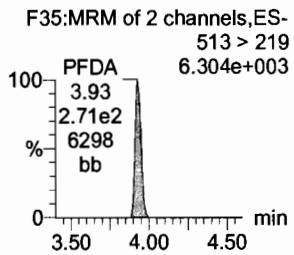
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

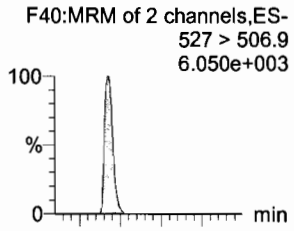
Name: 171016M4_3, Date: 16-Oct-2017, Time: 13:58:59, ID: ST171016M4-2 PFC CS-1 17J1620, Description: PFC CS-1 17J1620

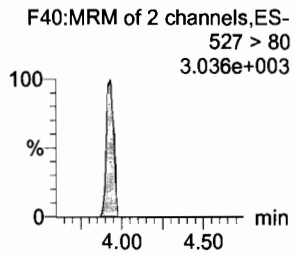
PFDA



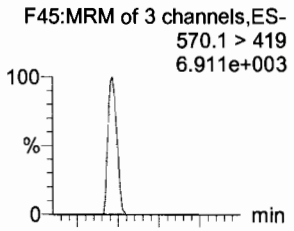


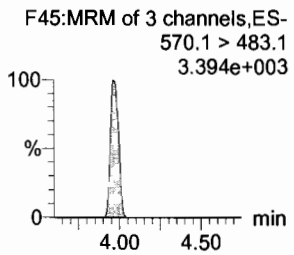
8:2 FTS



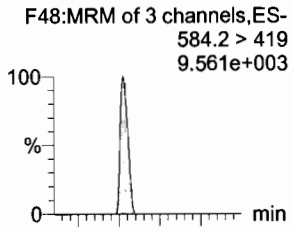


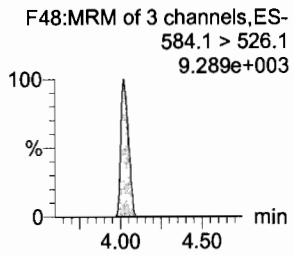
N-MeFOSAA



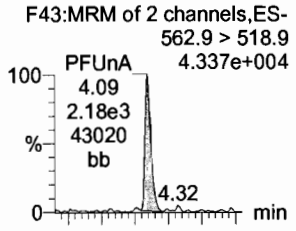


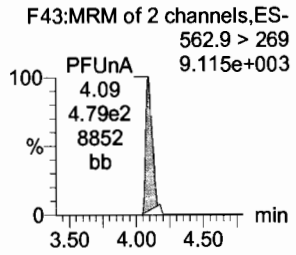
N-EtFOSAA



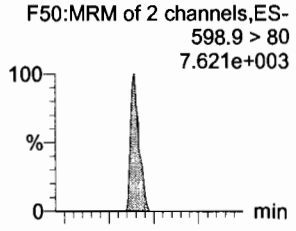


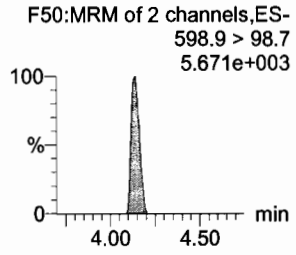
PFUnA



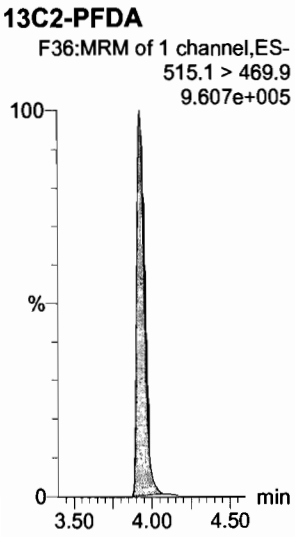


PFDS

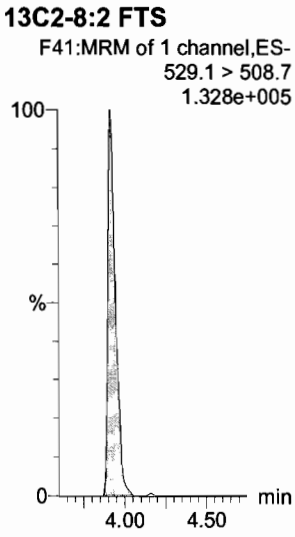




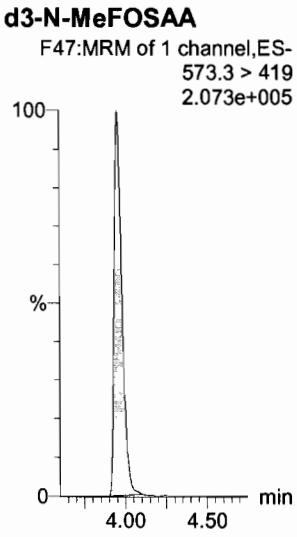
13C2-PFDA



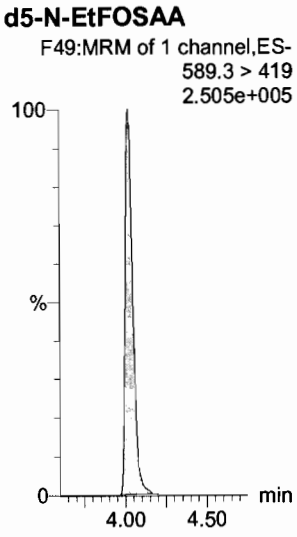
13C2-8:2 FTS



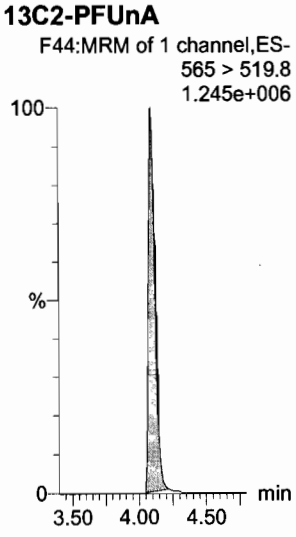
d3-N-MeFOSAA



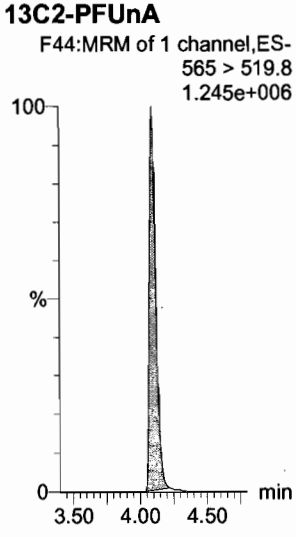
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

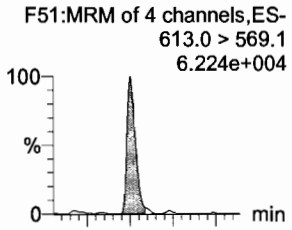


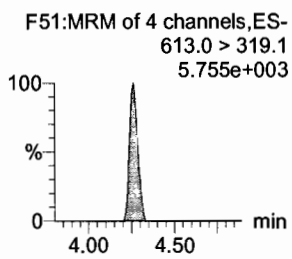
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

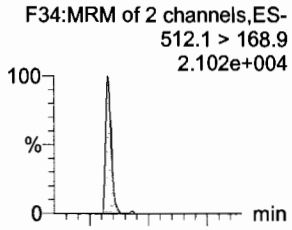
Name: 171016M4_3, Date: 16-Oct-2017, Time: 13:58:59, ID: ST171016M4-2 PFC CS-1 17J1620, Description: PFC CS-1 17J1620

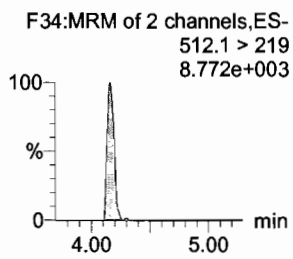
PFDoA



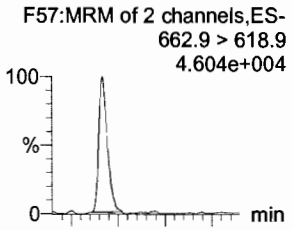


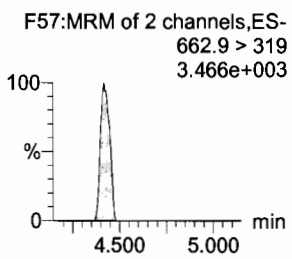
N-MeFOSA



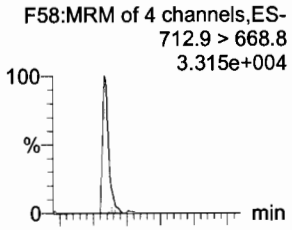


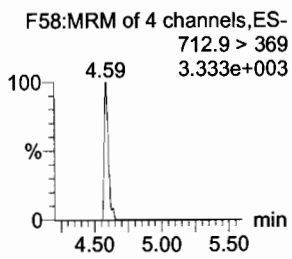
PFTrDA



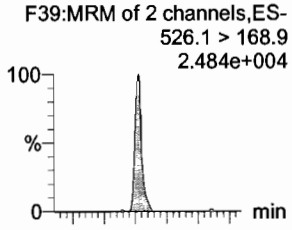


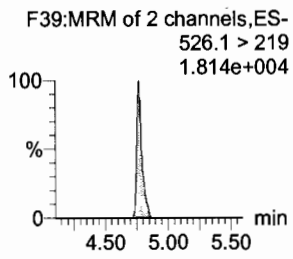
PFTeDA



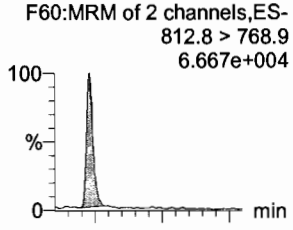


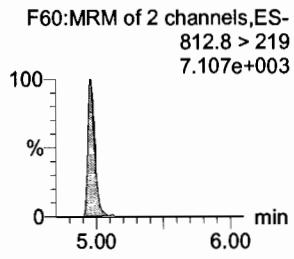
N-EtFOSA



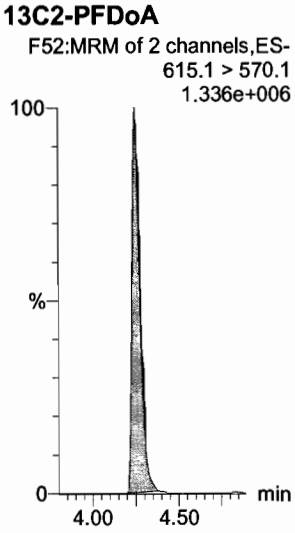


PFHxDA

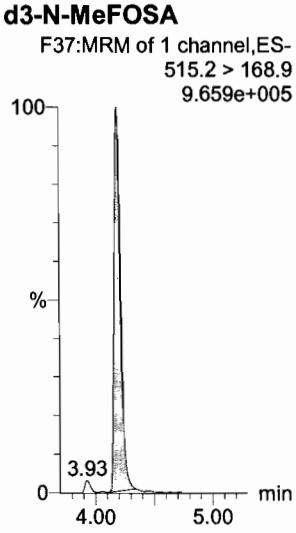




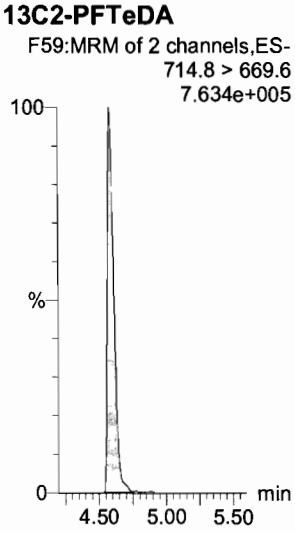
13C2-PFDoA



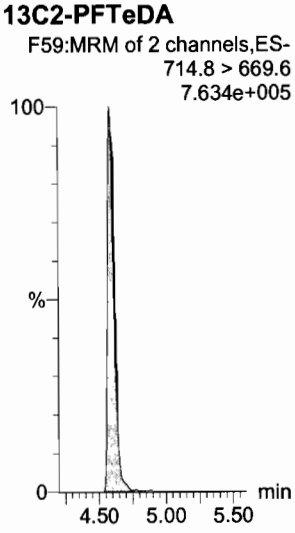
d3-N-MeFOSA



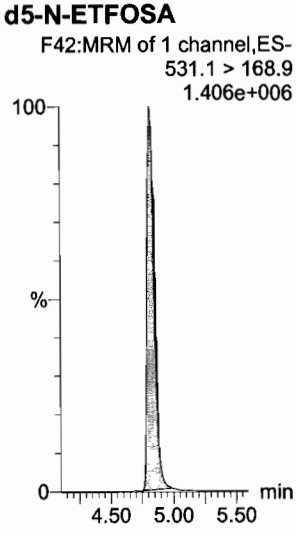
13C2-PFTeDA



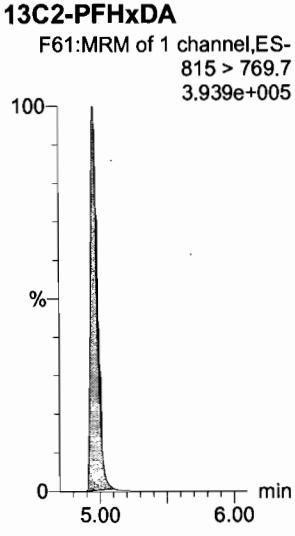
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

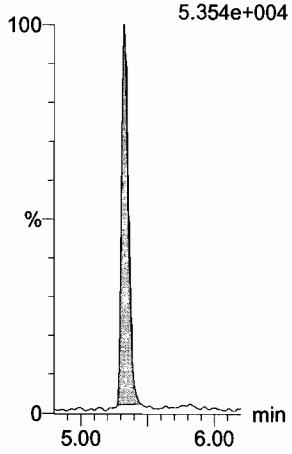


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

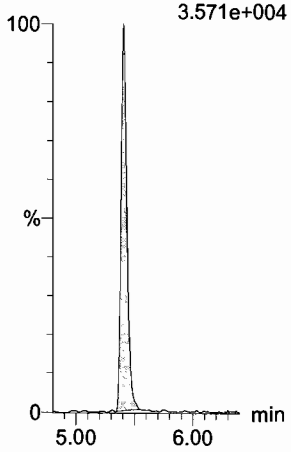
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_3, Date: 16-Oct-2017, Time: 13:58:59, ID: ST171016M4-2 PFC CS-1 17J1620, Description: PFC CS-1 17J1620

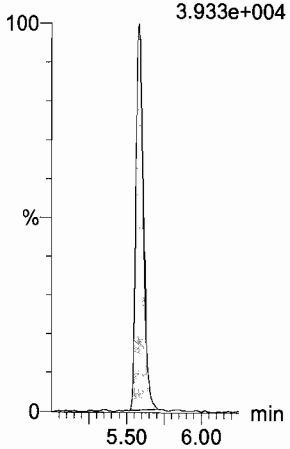
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
5.354e+004



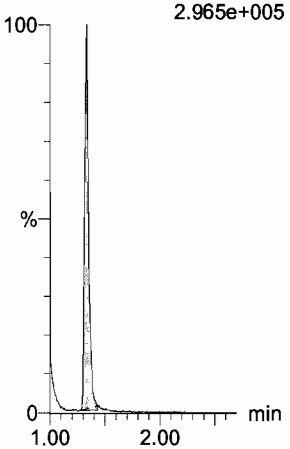
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
3.571e+004



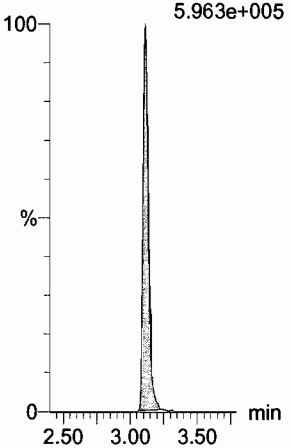
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
3.933e+004



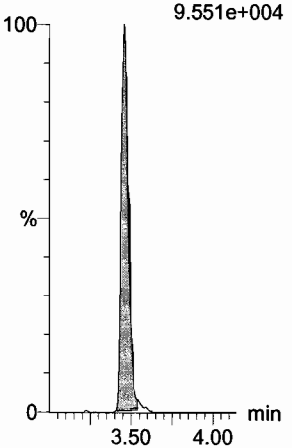
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
2.965e+005



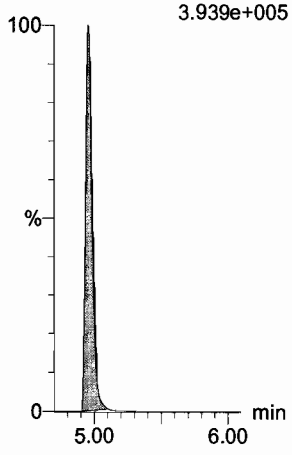
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
5.963e+005



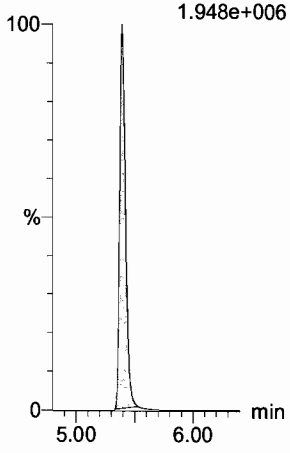
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
9.551e+004



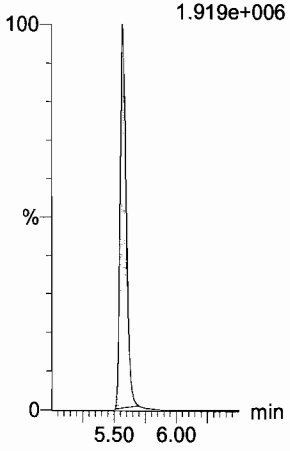
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.939e+005



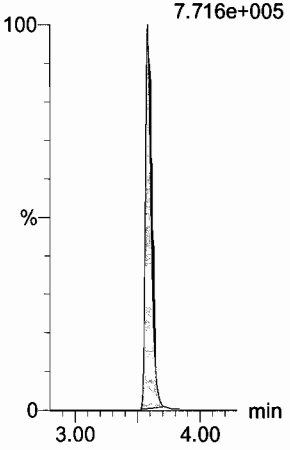
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.948e+006



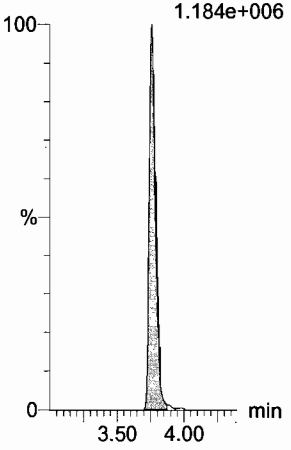
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.919e+006



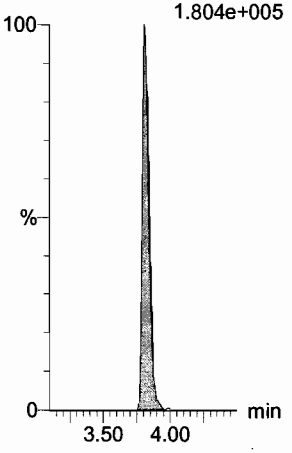
13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
7.716e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
1.184e+006



13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
1.804e+005

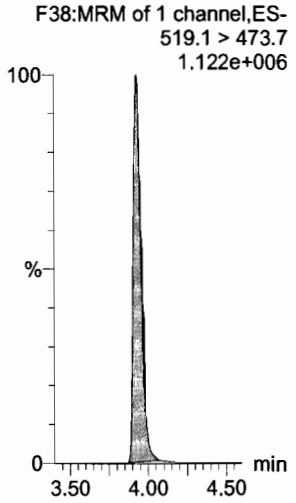


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

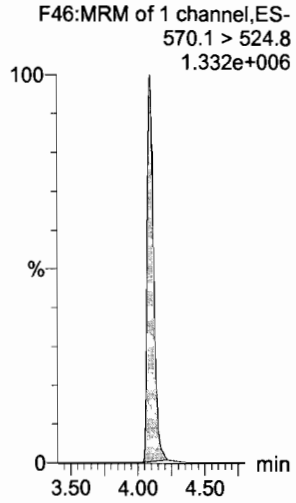
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_3, Date: 16-Oct-2017, Time: 13:58:59, ID: ST171016M4-2 PFC CS-1 17J1620, Description: PFC CS-1 17J1620

13C6-PFDA



13C7-PFUnA

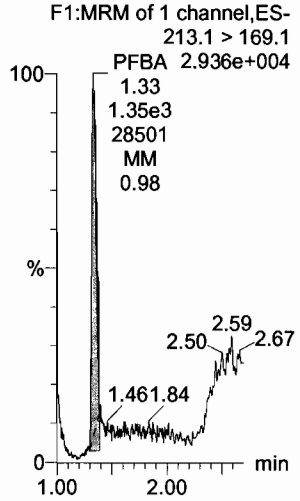


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

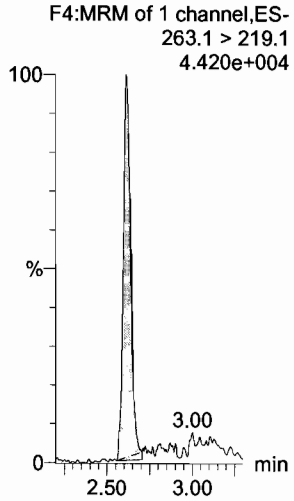
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_4, Date: 16-Oct-2017, Time: 14:09:45, ID: ST171016M4-3 PFC CS0 17J1603, Description: PFC CS0 17J1603

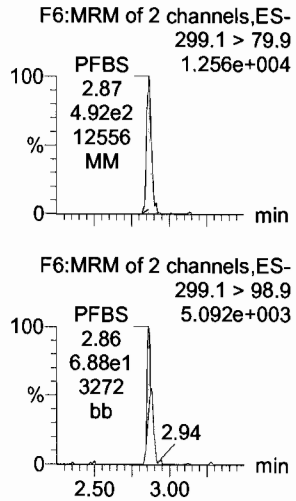
PFBA



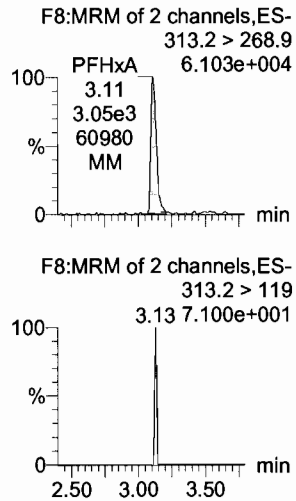
PFPeA



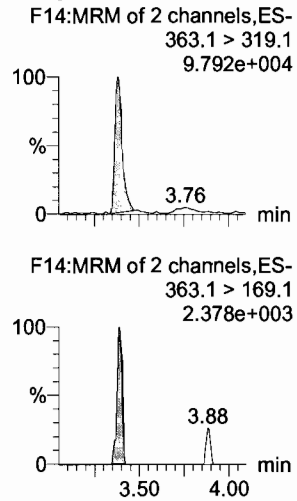
PFBS



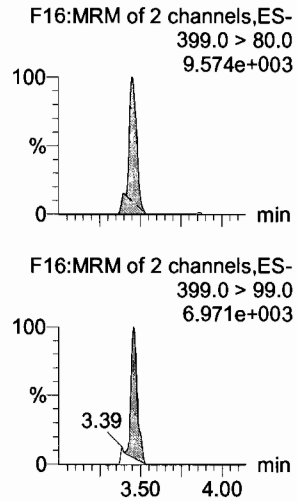
PFHxA



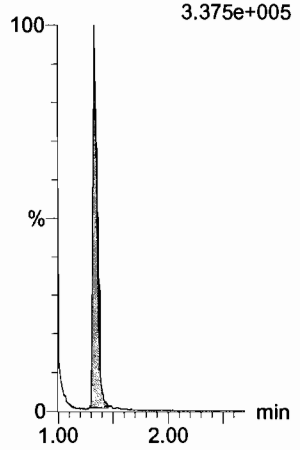
PFHpA



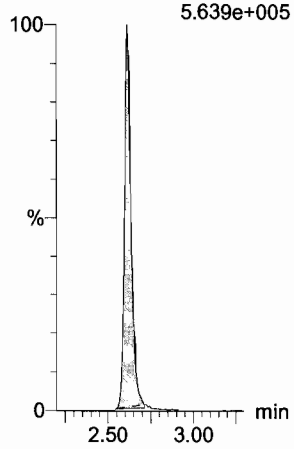
L-PFHxS



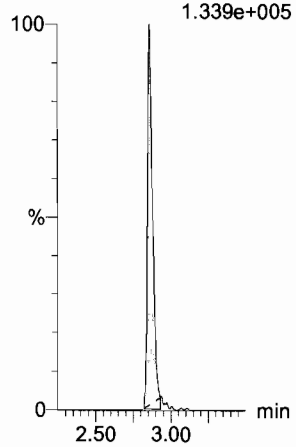
13C3-PFBA



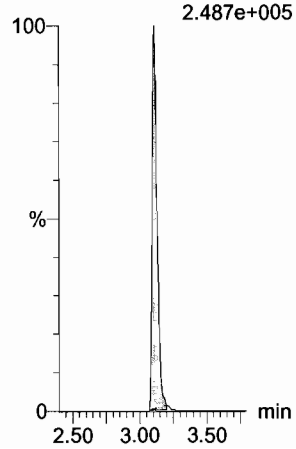
13C3-PFPeA



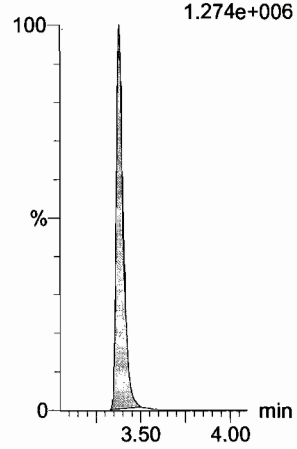
13C3-PFBS



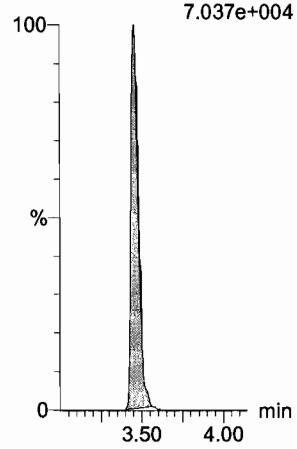
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

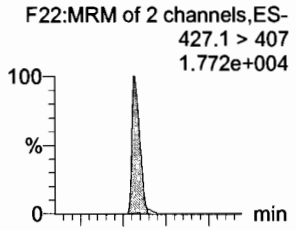


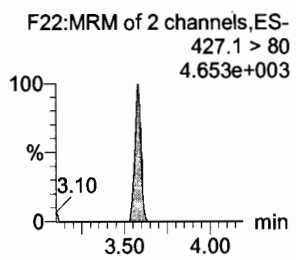
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

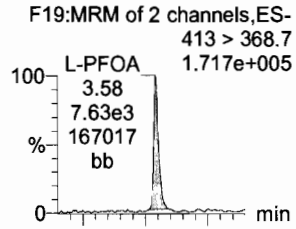
Name: 171016M4_4, Date: 16-Oct-2017, Time: 14:09:45, ID: ST171016M4-3 PFC CS0 17J1603, Description: PFC CS0 17J1603

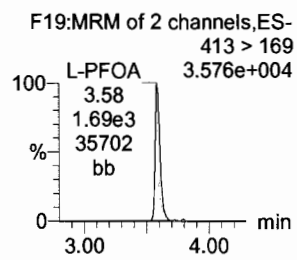
6:2 FTS



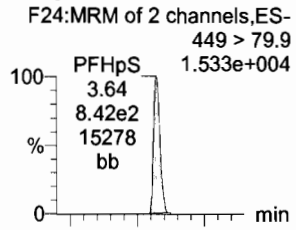


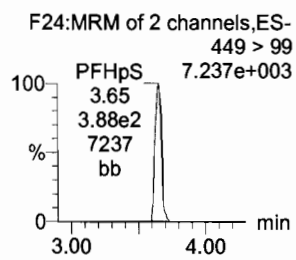
L-PFOA



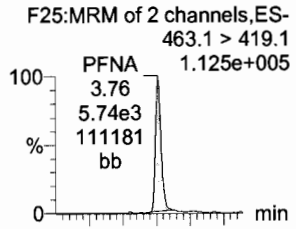


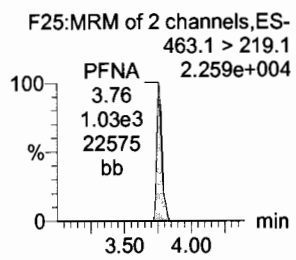
PFHpS



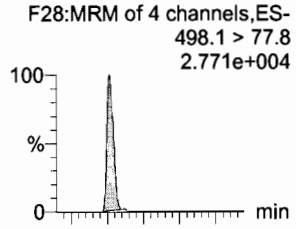


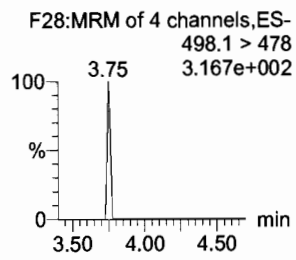
PFNA



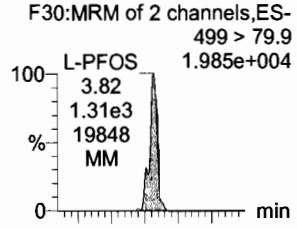


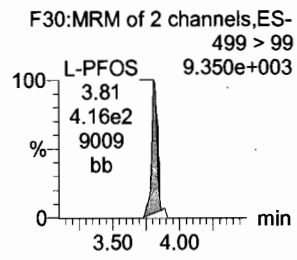
PFOSA



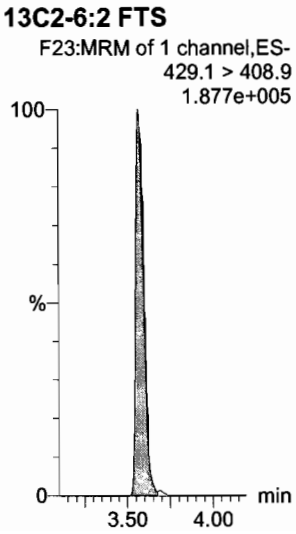


L-PFOS

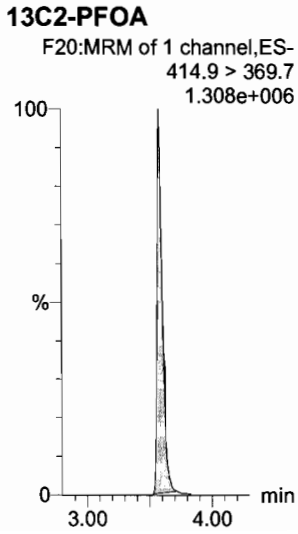




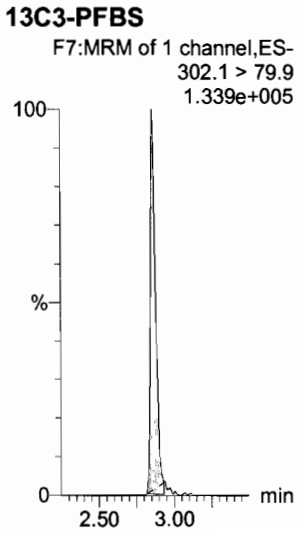
13C2-6:2 FTS



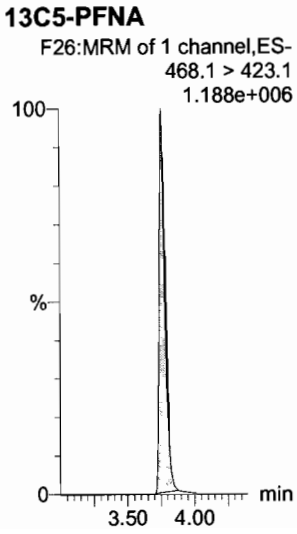
13C2-PFOA



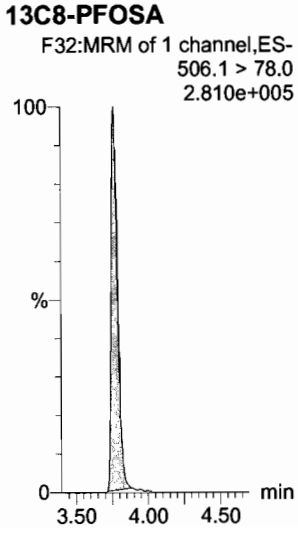
13C3-PFBS



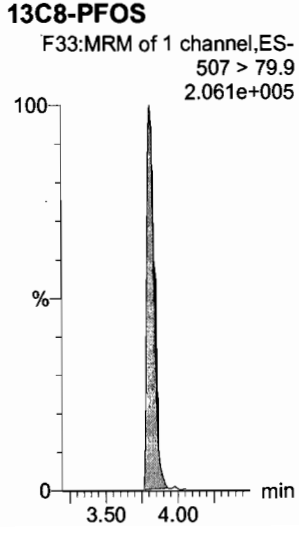
13C5-PFNA



13C8-PFOSA



13C8-PFOS

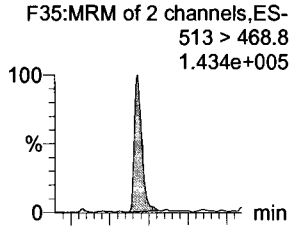


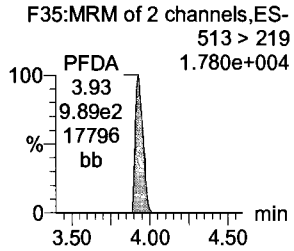
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

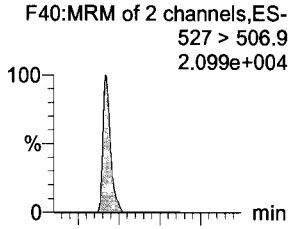
Name: 171016M4_4, Date: 16-Oct-2017, Time: 14:09:45, ID: ST171016M4-3 PFC CS0 17J1603, Description: PFC CS0 17J1603

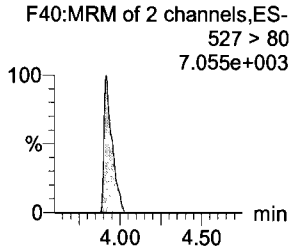
PFDA



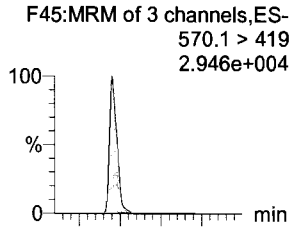


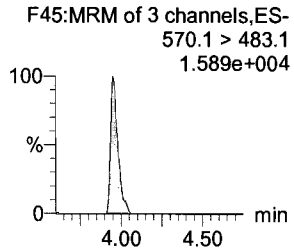
8:2 FTS



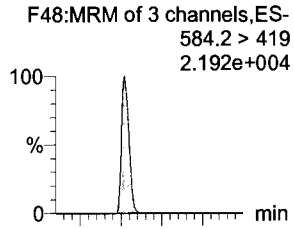


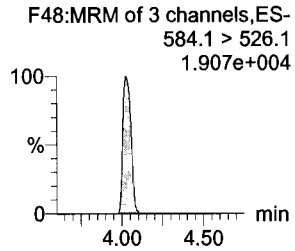
N-MeFOSAA



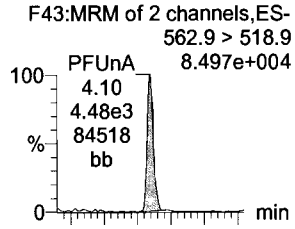


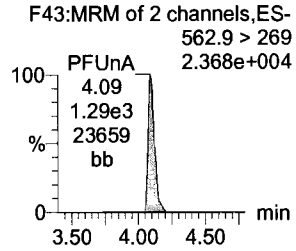
N-EtFOSAA



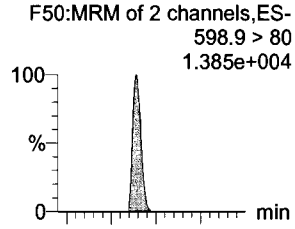


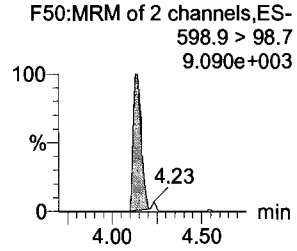
PFUnA



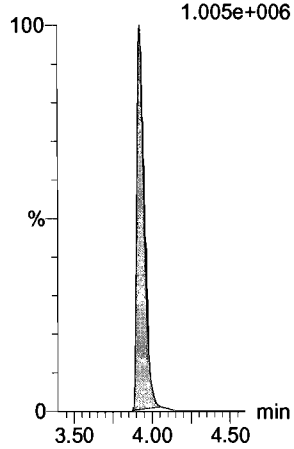


PFDS

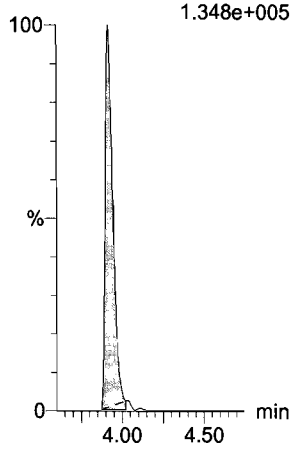




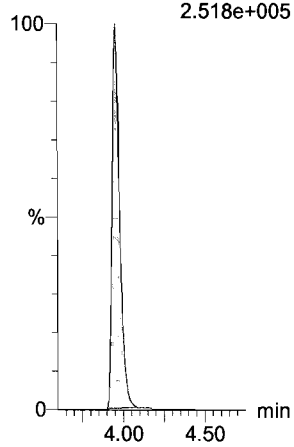
13C2-PFDA



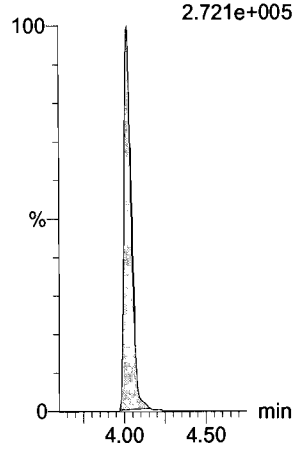
13C2-8:2 FTS



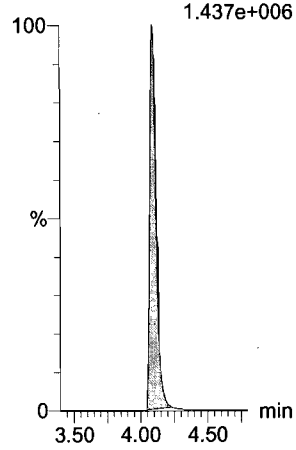
d3-N-MeFOSAA



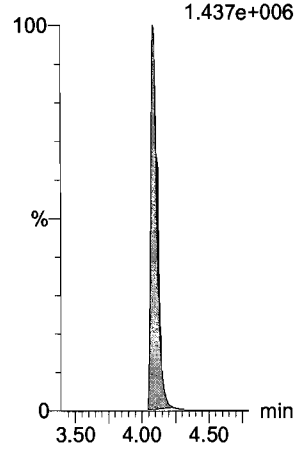
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

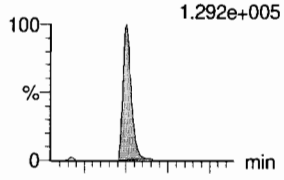


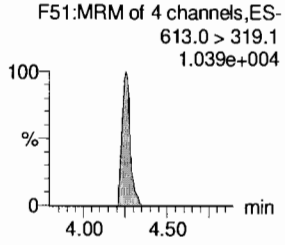
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:18:57 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:19:17 Pacific Daylight Time

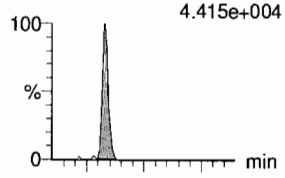
Name: 171016M4_4, Date: 16-Oct-2017, Time: 14:09:45, ID: ST171016M4-3 PFC CS0 17J1603, Description: PFC CS0 17J1603

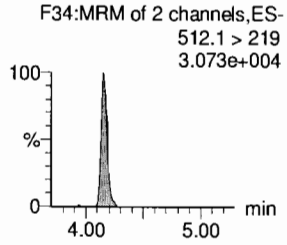
PFDoA



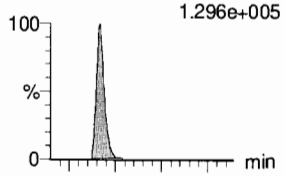


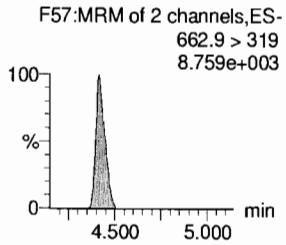
N-MeFOSA



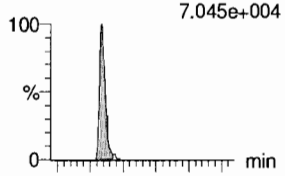


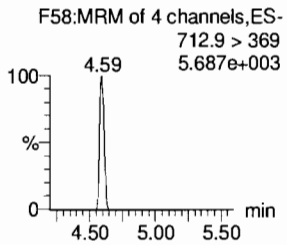
PFTrDA



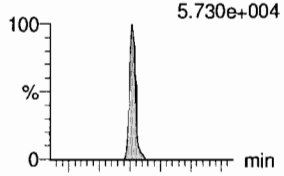


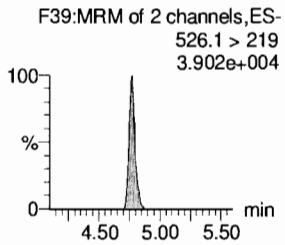
PFTeDA



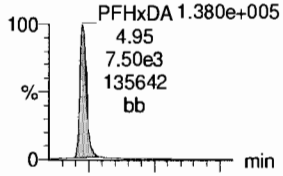


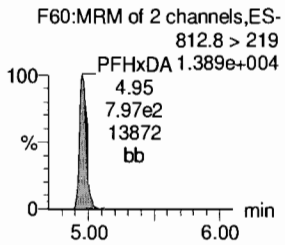
N-EtFOSA



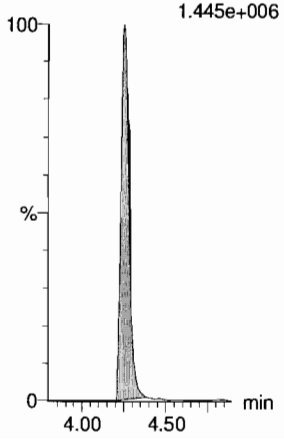


PFHxDA

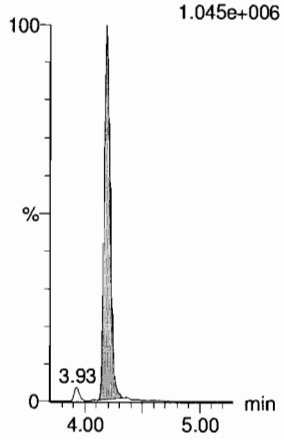




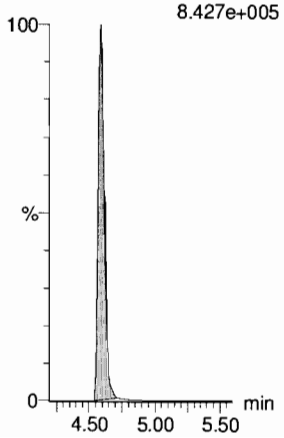
13C2-PFDoA



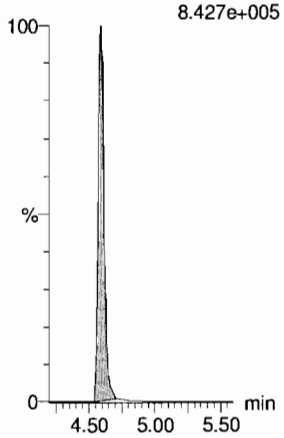
d3-N-MeFOSA



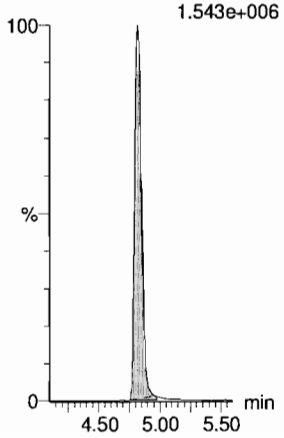
13C2-PFTeDA



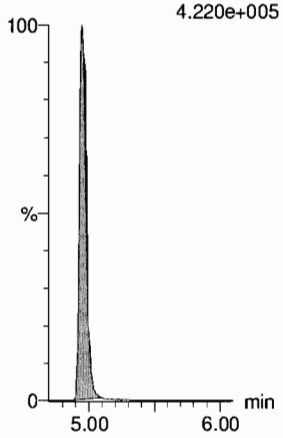
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

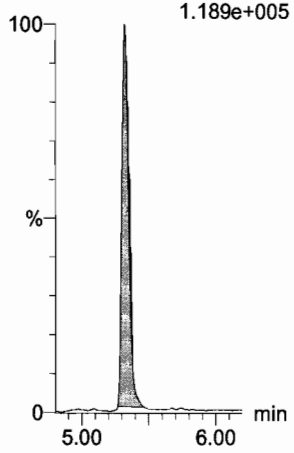


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

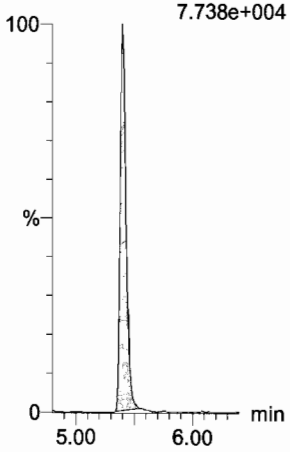
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_4, Date: 16-Oct-2017, Time: 14:09:45, ID: ST171016M4-3 PFC CS0 17J1603, Description: PFC CS0 17J1603

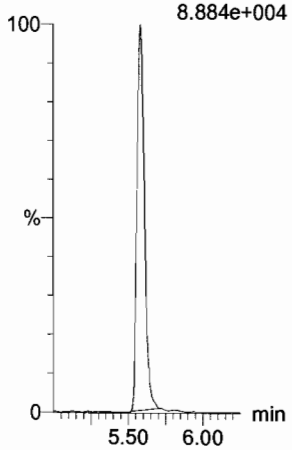
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
1.189e+005



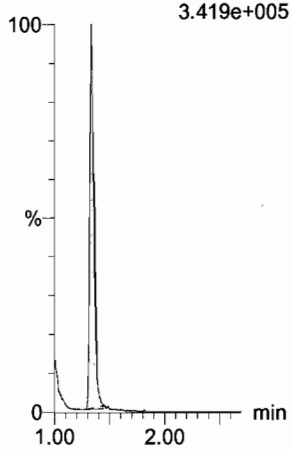
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
7.738e+004



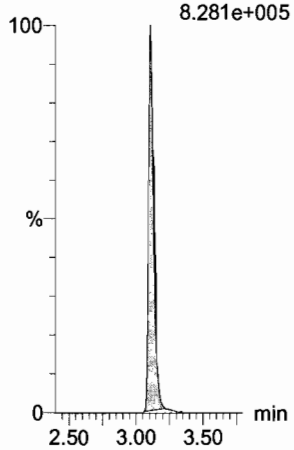
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
8.884e+004



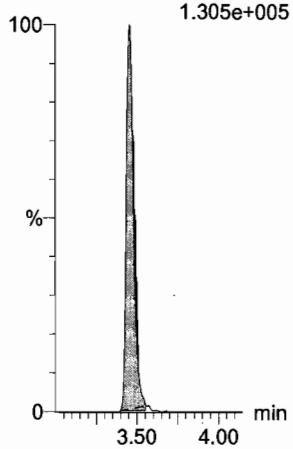
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
3.419e+005



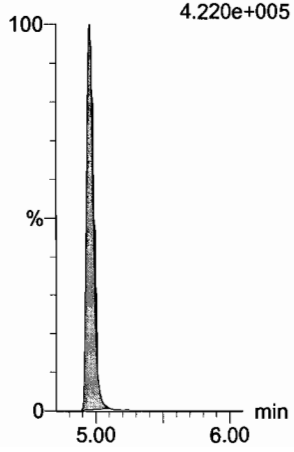
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
8.281e+005



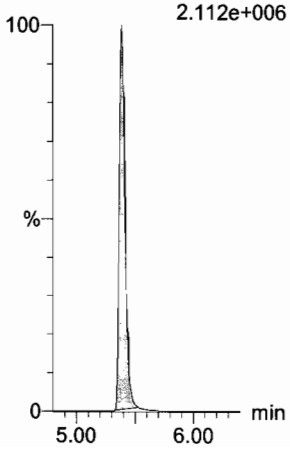
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
1.305e+005



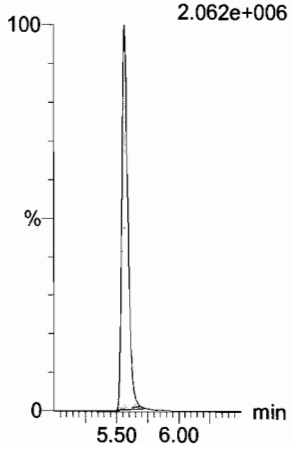
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
4.220e+005



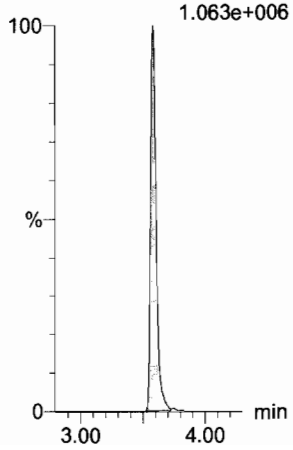
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
2.112e+006



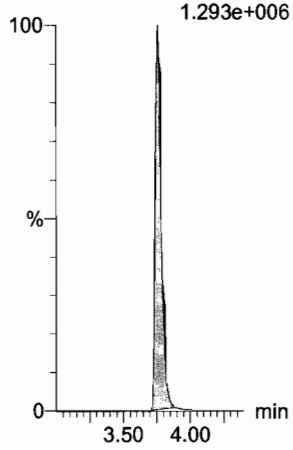
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
2.062e+006



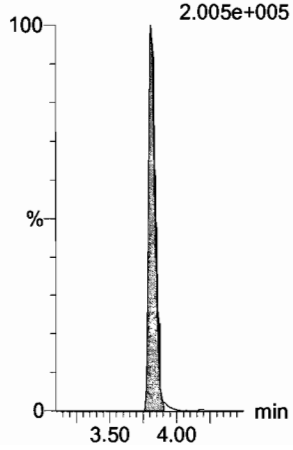
13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
1.063e+006



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
1.293e+006



13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
2.005e+005

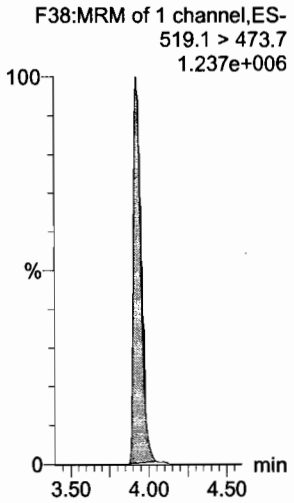


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

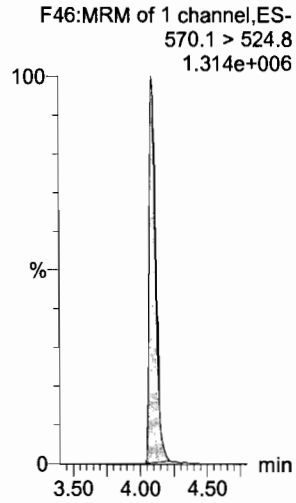
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_4, Date: 16-Oct-2017, Time: 14:09:45, ID: ST171016M4-3 PFC CS0 17J1603, Description: PFC CS0 17J1603

13C6-PFDA



13C7-PFUnA

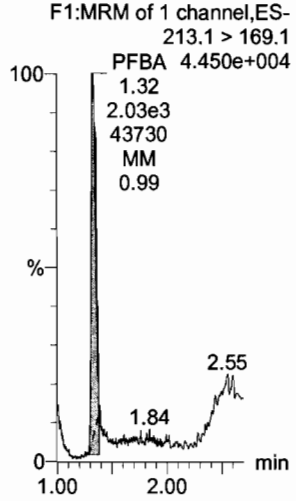


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

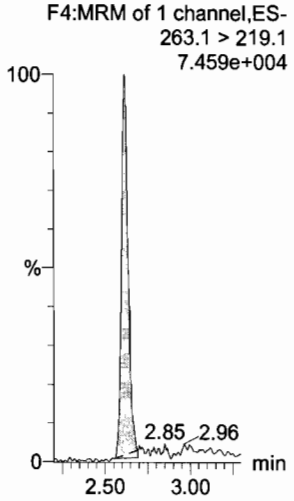
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_5, Date: 16-Oct-2017, Time: 14:20:23, ID: ST171016M4-4 PFC CS1 17J1608, Description: PFC CS1 17J1608

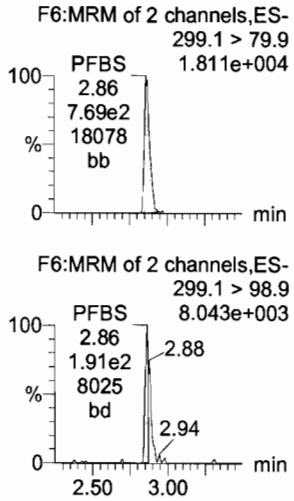
PFBA



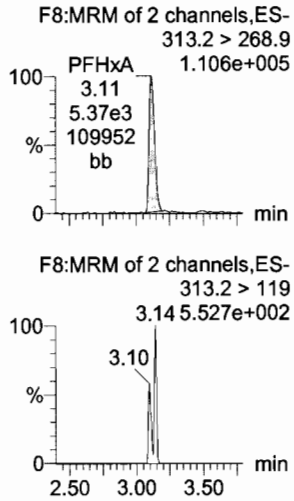
PFPeA



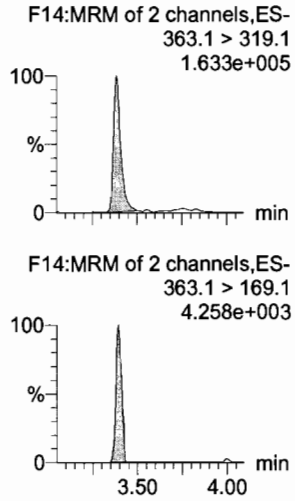
PFBS



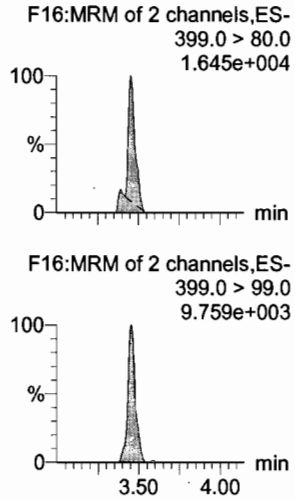
PFHxA



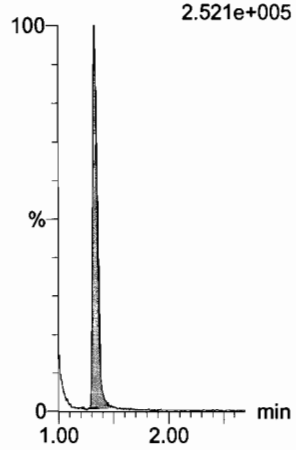
PFHpA



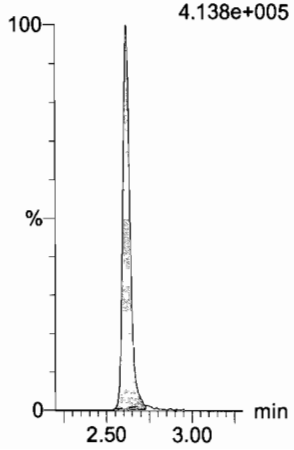
L-PFHxS



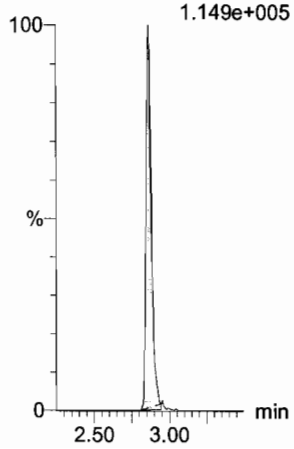
13C3-PFBA



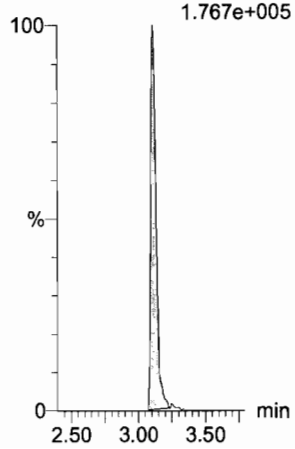
13C3-PFPeA



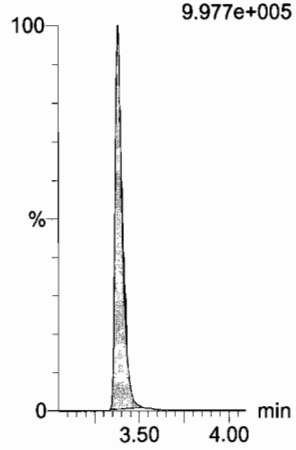
13C3-PFBS



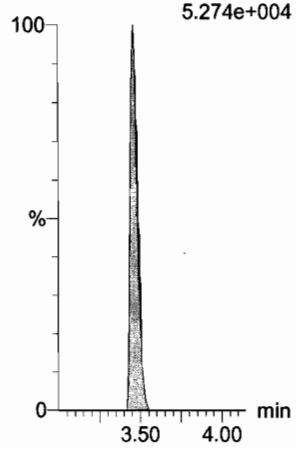
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

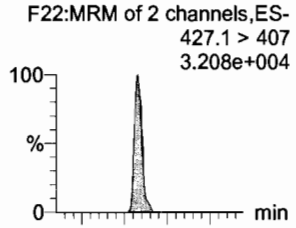


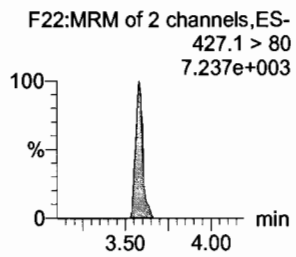
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

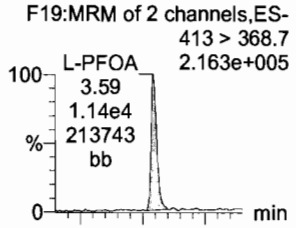
Name: 171016M4_5, Date: 16-Oct-2017, Time: 14:20:23, ID: ST171016M4-4 PFC CS1 17J1608, Description: PFC CS1 17J1608

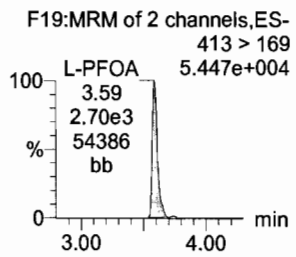
6:2 FTS



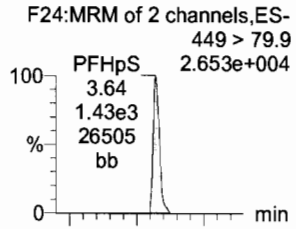


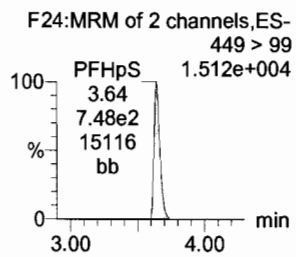
L-PFOA



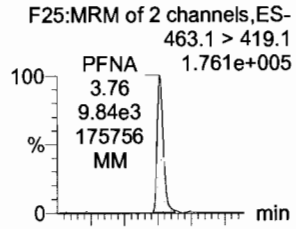


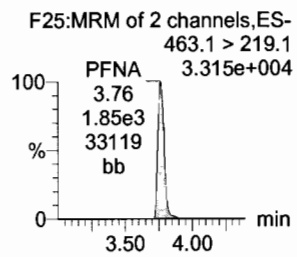
PFHpS



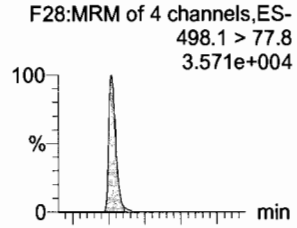


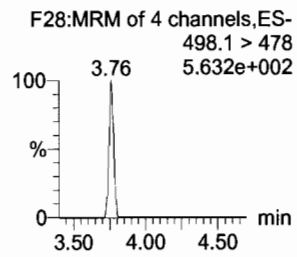
PFNA



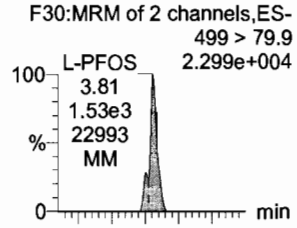


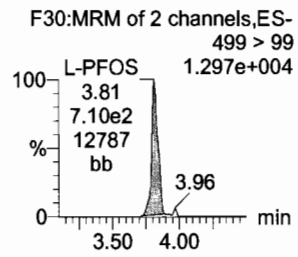
PFOSA



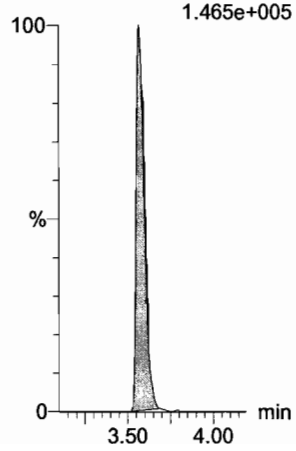


L-PFOS

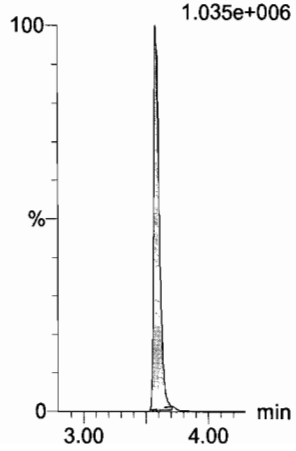




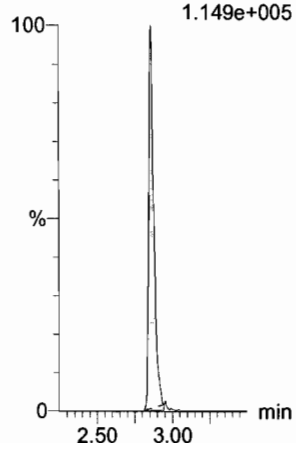
13C2-6:2 FTS



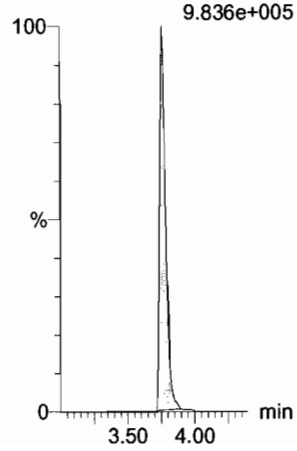
13C2-PFOA



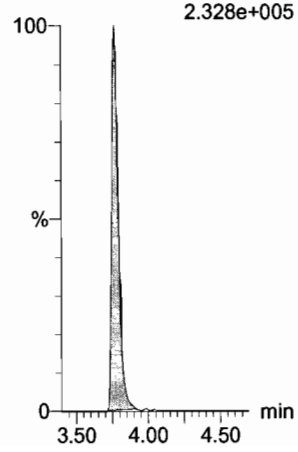
13C3-PFBS



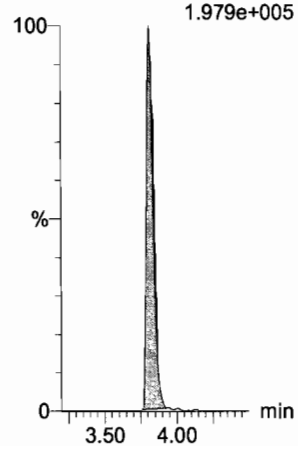
13C5-PFNA



13C8-PFOSA



13C8-PFOS

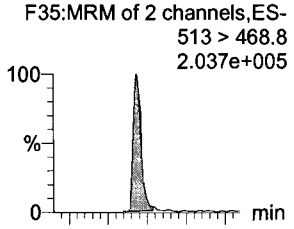


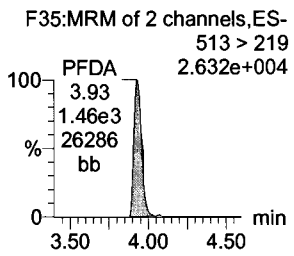
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

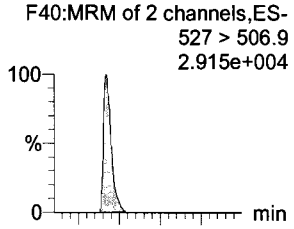
Name: 171016M4_5, Date: 16-Oct-2017, Time: 14:20:23, ID: ST171016M4-4 PFC CS1 17J1608, Description: PFC CS1 17J1608

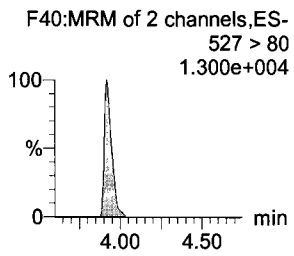
PFDA



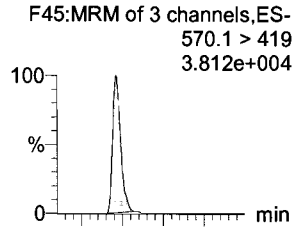


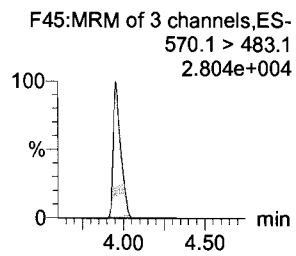
8:2 FTS



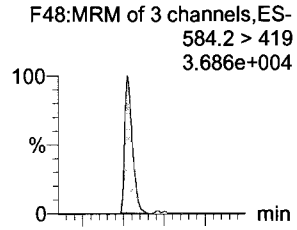


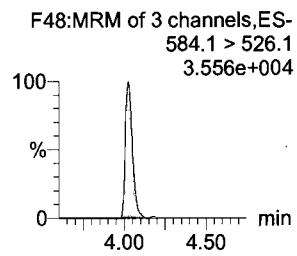
N-MeFOSAA



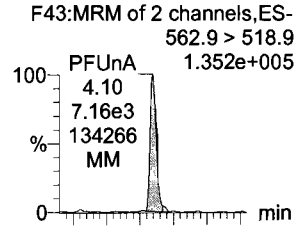


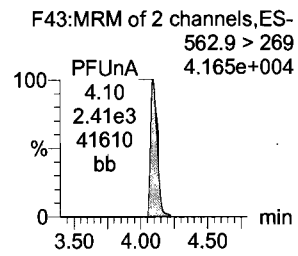
N-EtFOSAA



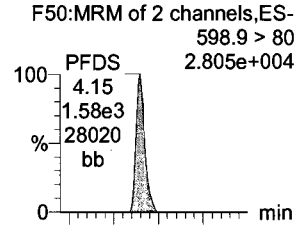


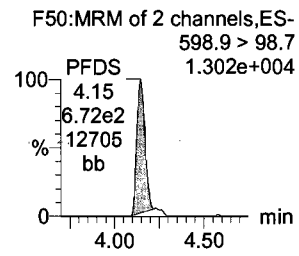
PFUnA



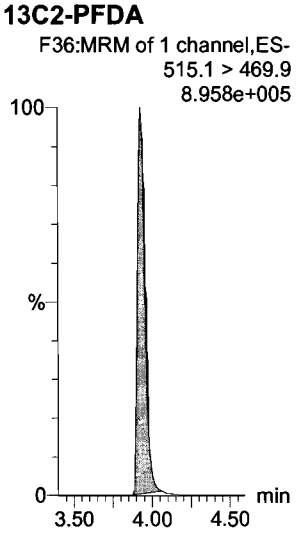


PFDS

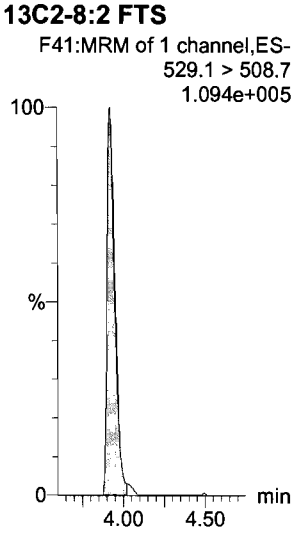




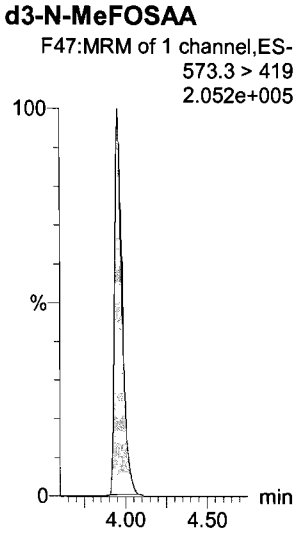
13C2-PFDA



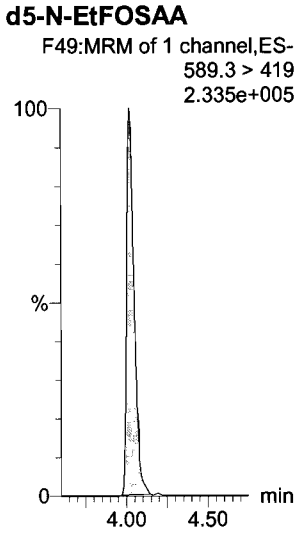
13C2-8:2 FTS



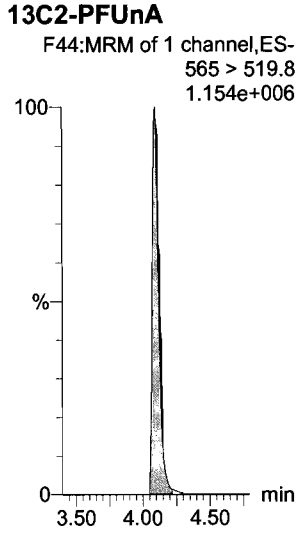
d3-N-MeFOSAA



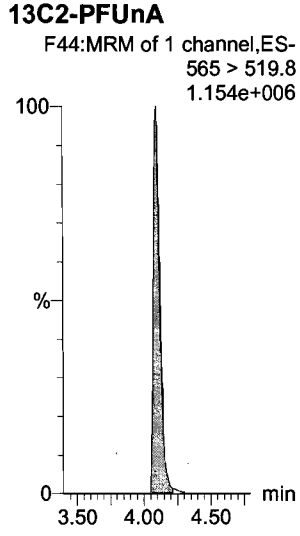
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

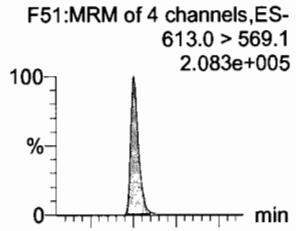


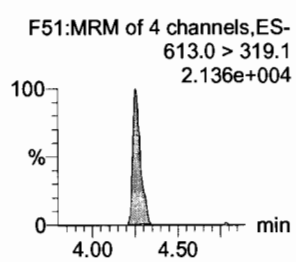
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

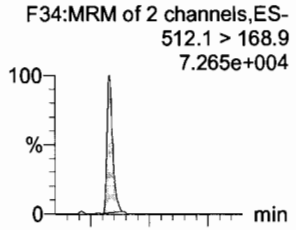
Name: 171016M4_5, Date: 16-Oct-2017, Time: 14:20:23, ID: ST171016M4-4 PFC CS1 17J1608, Description: PFC CS1 17J1608

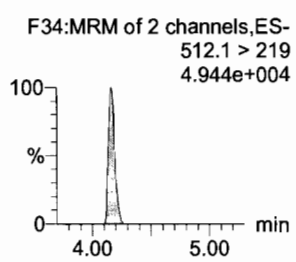
PFDoA



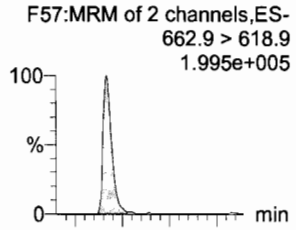


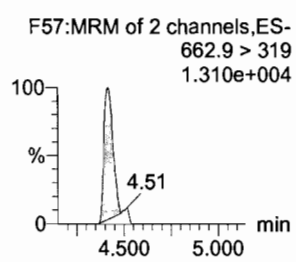
N-MeFOSA



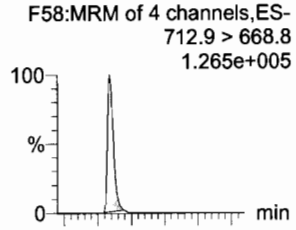


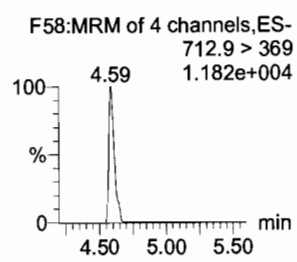
PFTrDA



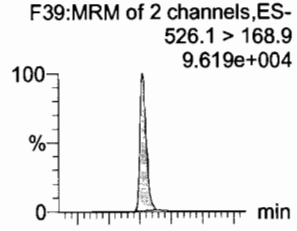


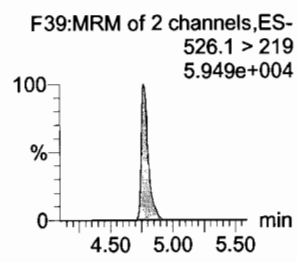
PFTeDA



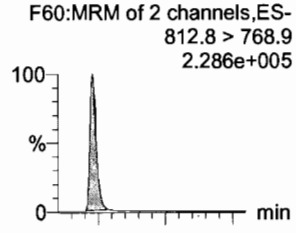


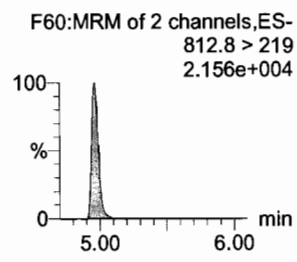
N-EtFOSA



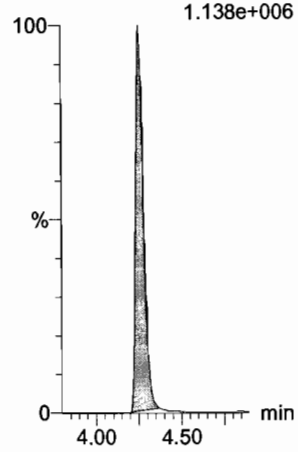


PFHxDA

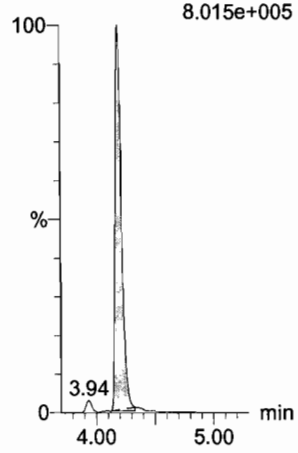




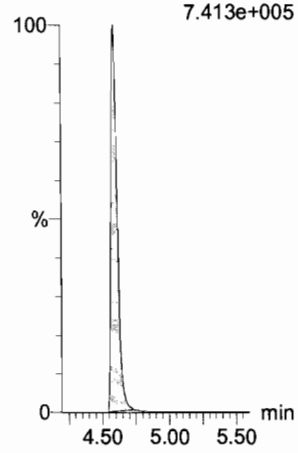
13C2-PFDoA



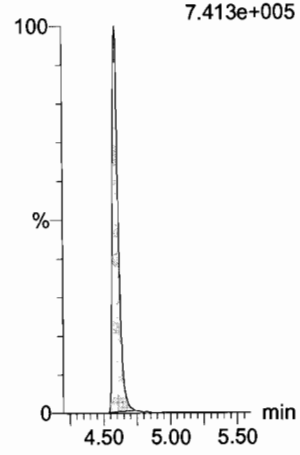
d3-N-MeFOSA



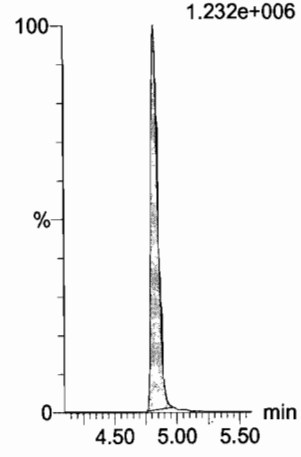
13C2-PFTeDA



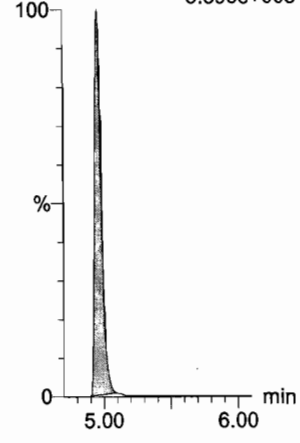
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

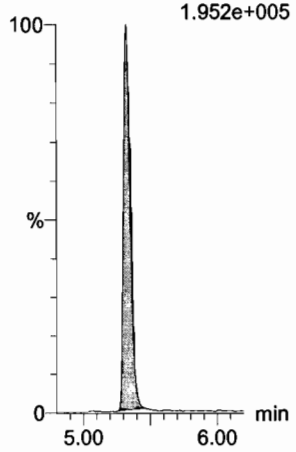


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

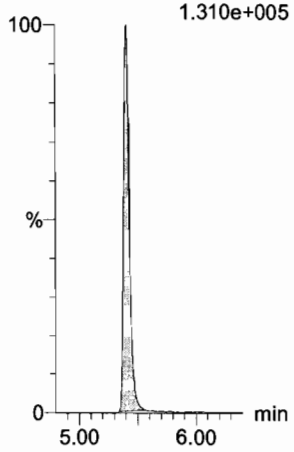
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_5, Date: 16-Oct-2017, Time: 14:20:23, ID: ST171016M4-4 PFC CS1 17J1608, Description: PFC CS1 17J1608

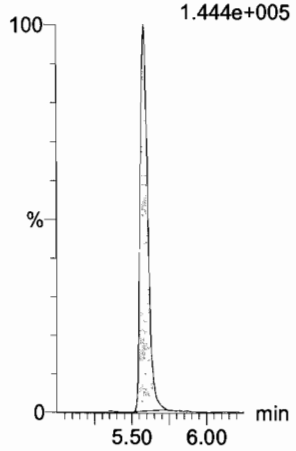
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
1.952e+005



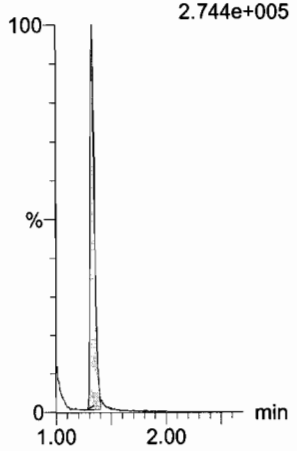
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
1.310e+005



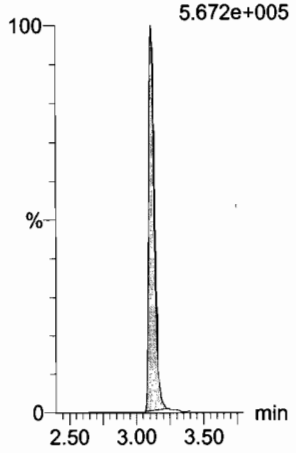
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
1.444e+005



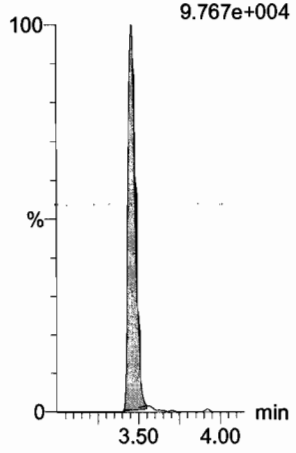
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
2.744e+005



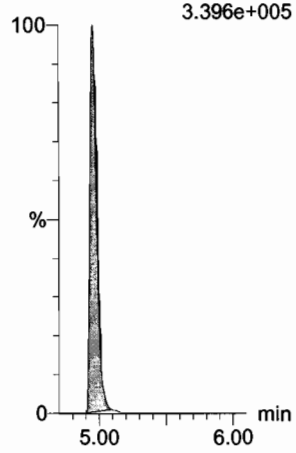
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
5.672e+005



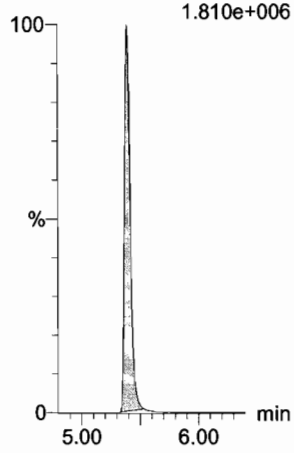
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
9.767e+004



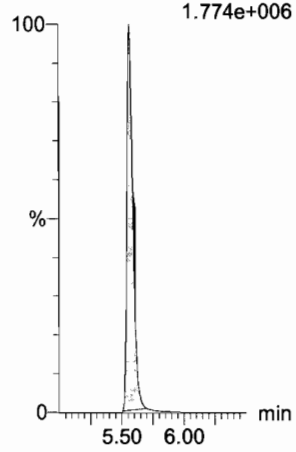
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.396e+005



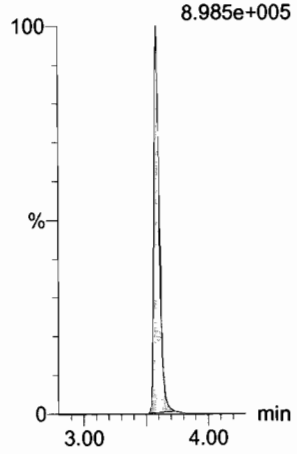
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.810e+006



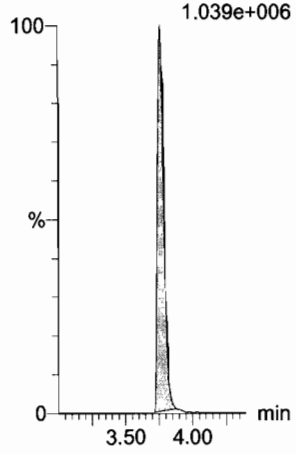
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.774e+006



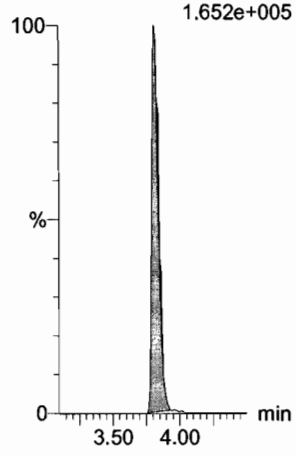
13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
8.985e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
1.039e+006



13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
1.652e+005

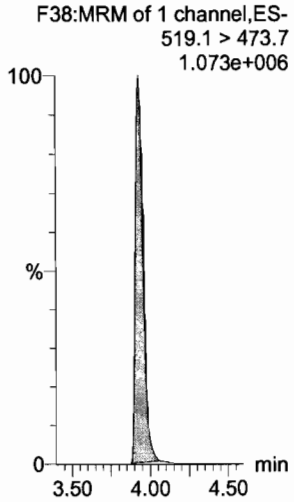


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

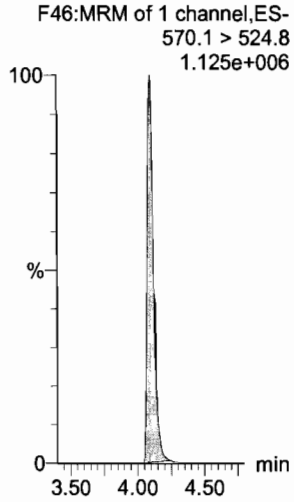
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_5, Date: 16-Oct-2017, Time: 14:20:23, ID: ST171016M4-4 PFC CS1 17J1608, Description: PFC CS1 17J1608

13C6-PFDA



13C7-PFUnA

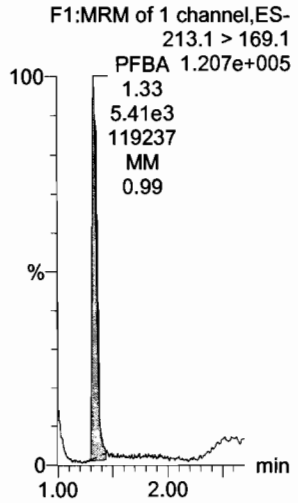


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

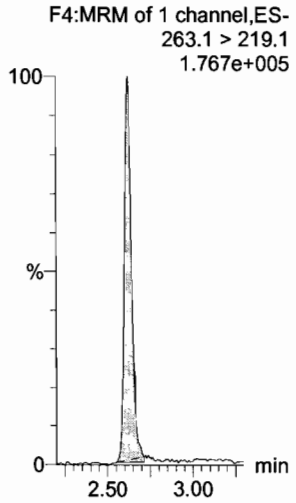
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_6, Date: 16-Oct-2017, Time: 14:31:02, ID: ST171016M4-5 PFC CS2 17J1609, Description: PFC CS2 17J1609

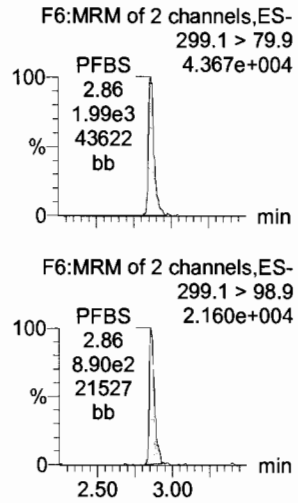
PFBA



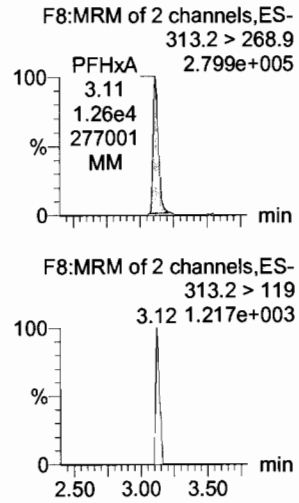
PFPeA



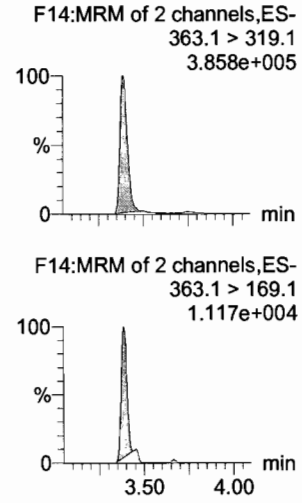
PFBS



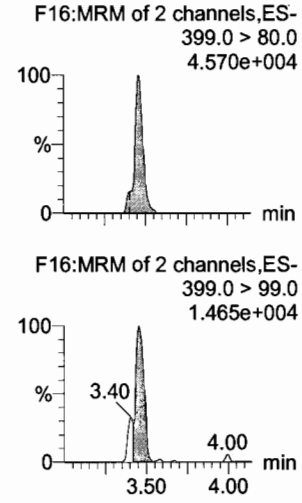
PFHxA



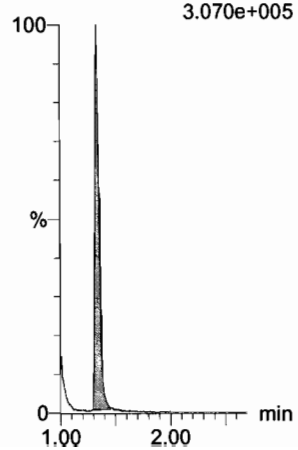
PFHpA



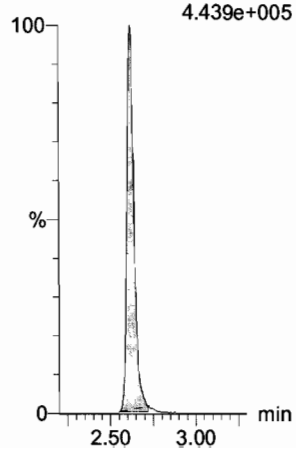
L-PFHxS



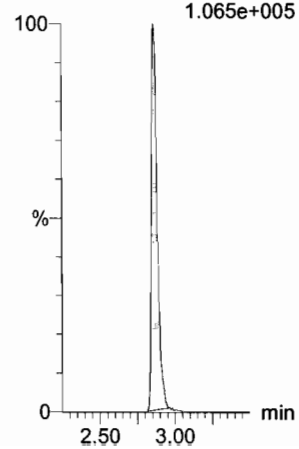
13C3-PFBA



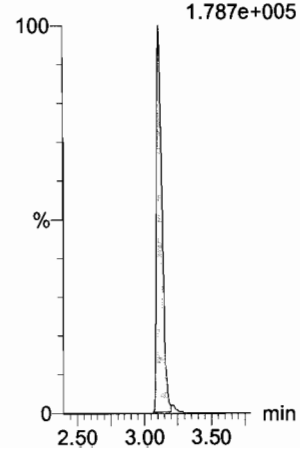
13C3-PFPeA



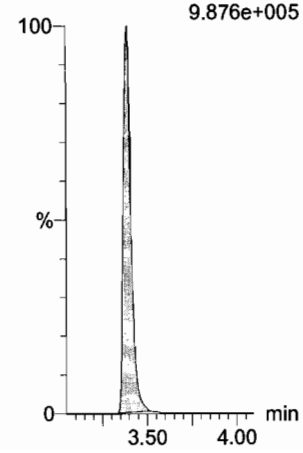
13C3-PFBS



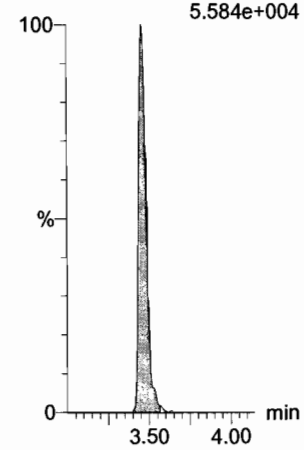
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

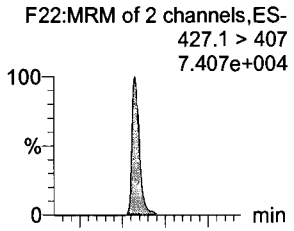


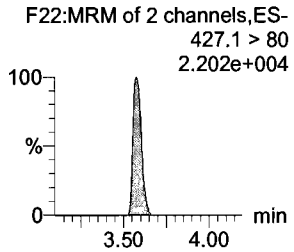
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

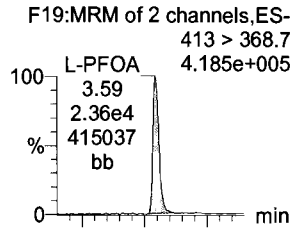
Name: 171016M4_6, Date: 16-Oct-2017, Time: 14:31:02, ID: ST171016M4-5 PFC CS2 17J1609, Description: PFC CS2 17J1609

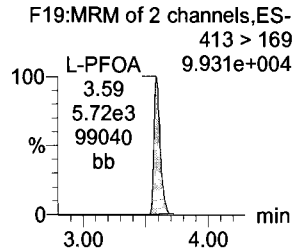
6:2 FTS



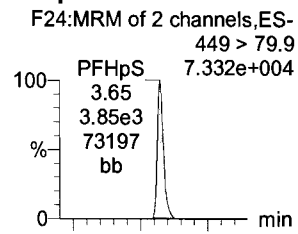


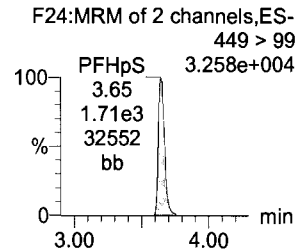
L-PFOA



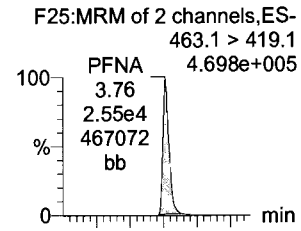


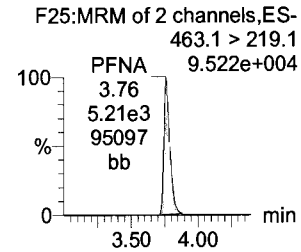
PFHpS



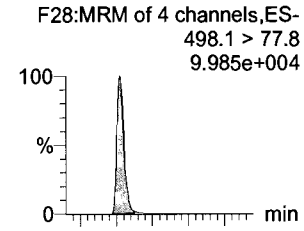


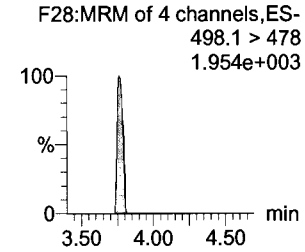
PFNA



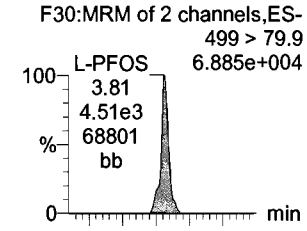


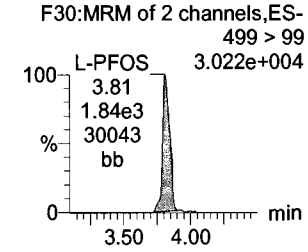
PFOSA



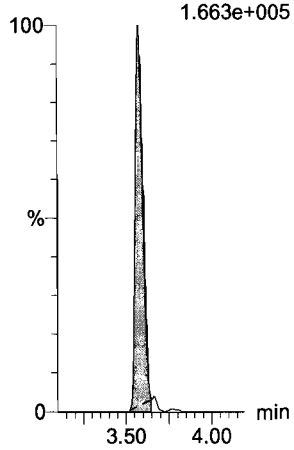


L-PFOS

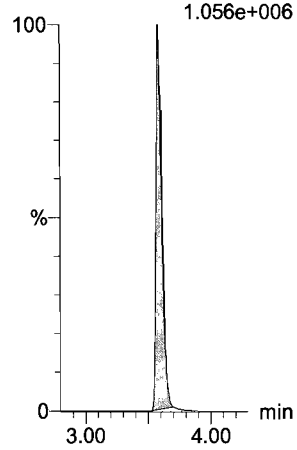




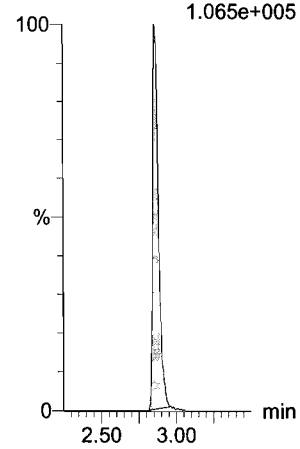
13C2-6:2 FTS



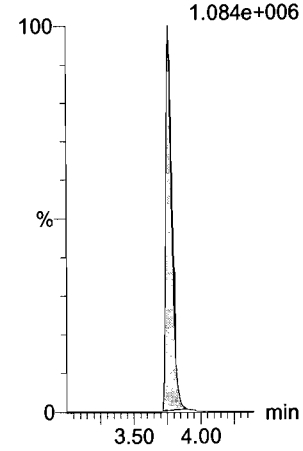
13C2-PFOA



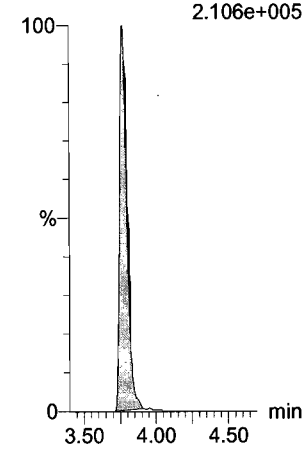
13C3-PFBS



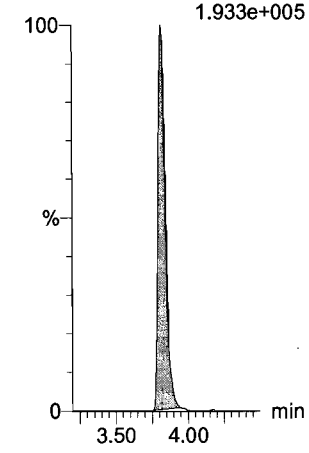
13C5-PFNA



13C8-PFOSA



13C8-PFOS

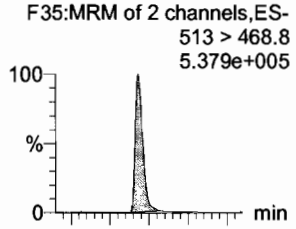


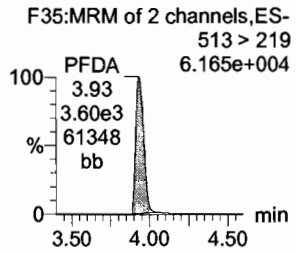
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

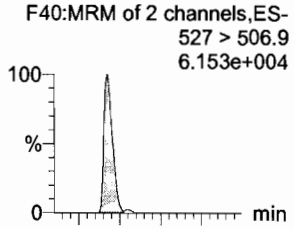
Name: 171016M4_6, Date: 16-Oct-2017, Time: 14:31:02, ID: ST171016M4-5 PFC CS2 17J1609, Description: PFC CS2 17J1609

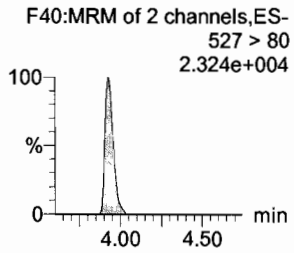
PFDA



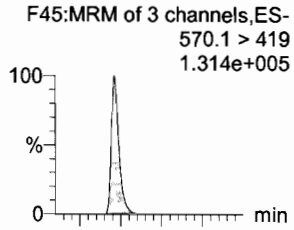


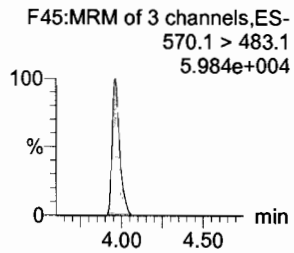
8:2 FTS



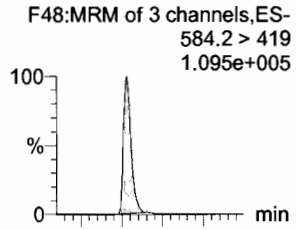


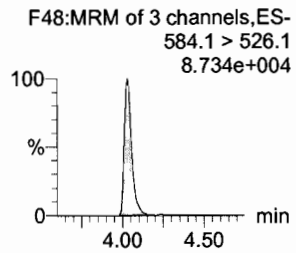
N-MeFOSAA



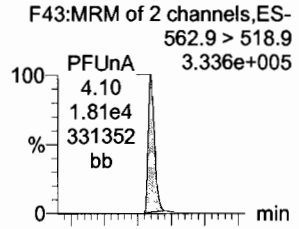


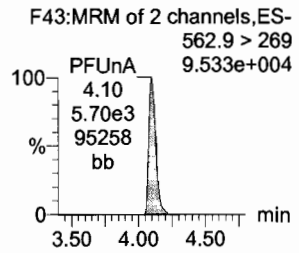
N-EtFOSAA



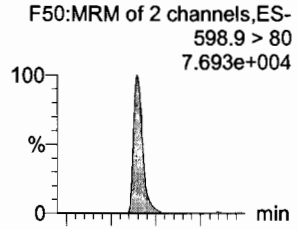


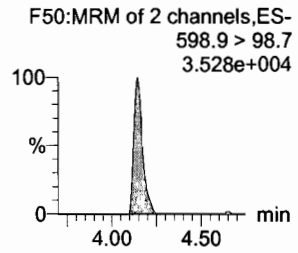
PFUnA



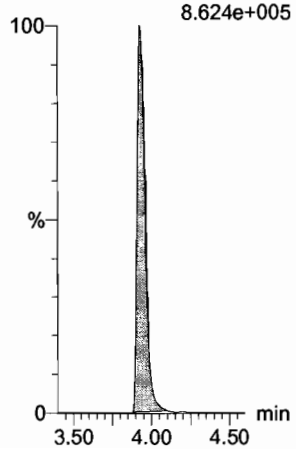


PFDS

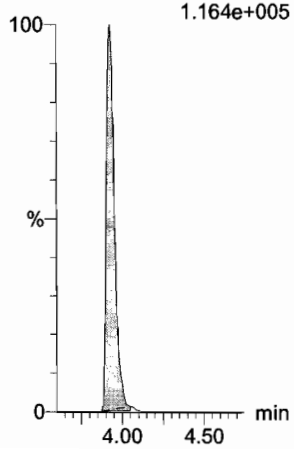




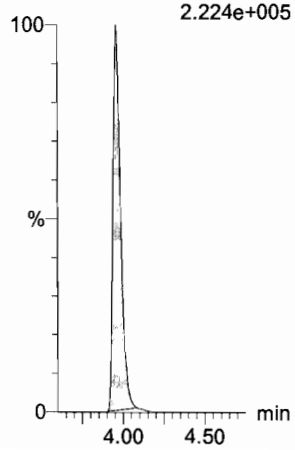
13C2-PFDA



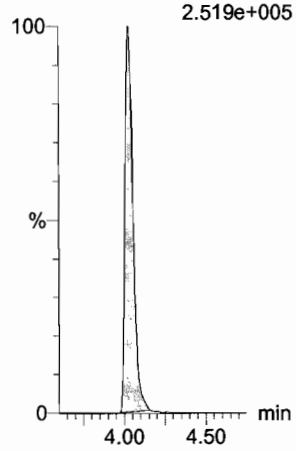
13C2-8:2 FTS



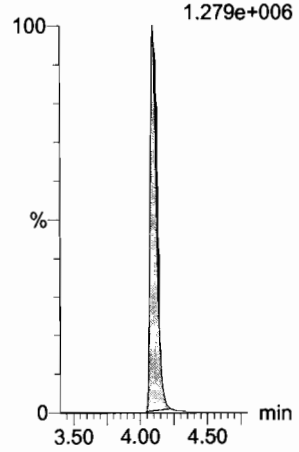
d3-N-MeFOSAA



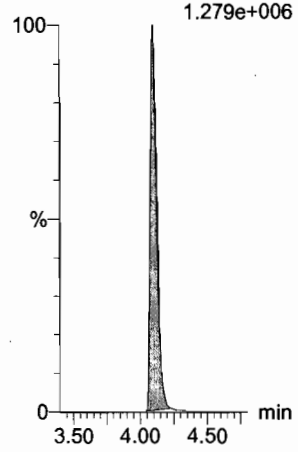
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

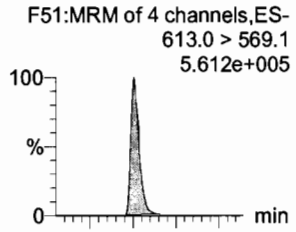


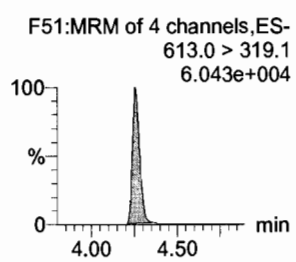
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

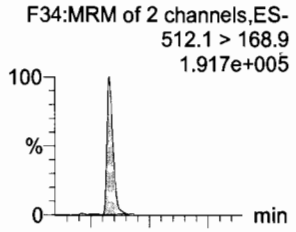
Name: 171016M4_6, Date: 16-Oct-2017, Time: 14:31:02, ID: ST171016M4-5 PFC CS2 17J1609, Description: PFC CS2 17J1609

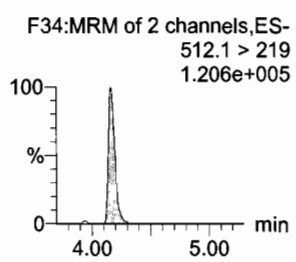
PFDoA



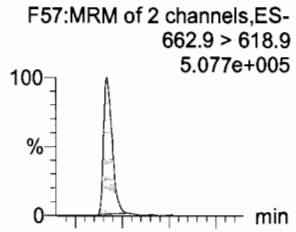


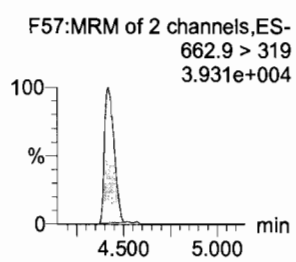
N-MeFOSA



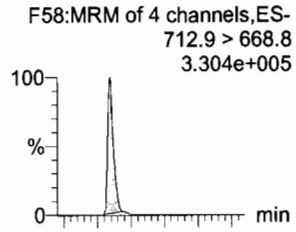


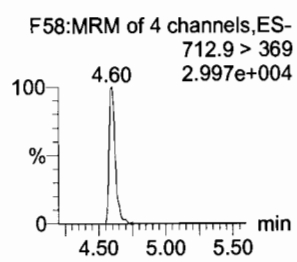
PFTrDA



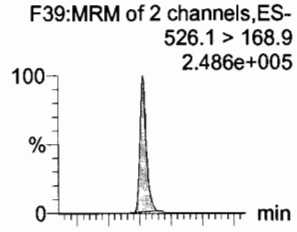


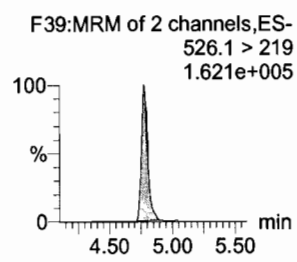
PFTeDA



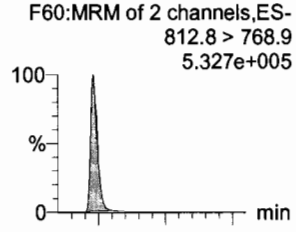


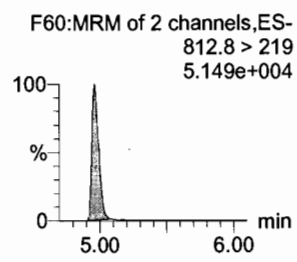
N-EtFOSA



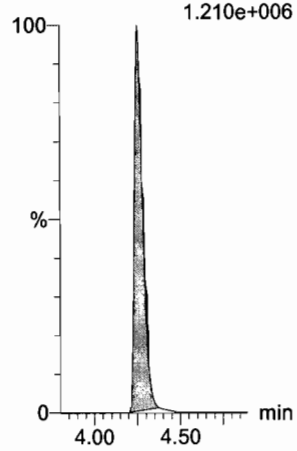


PFHxDA

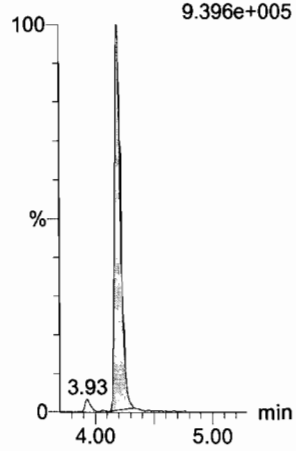




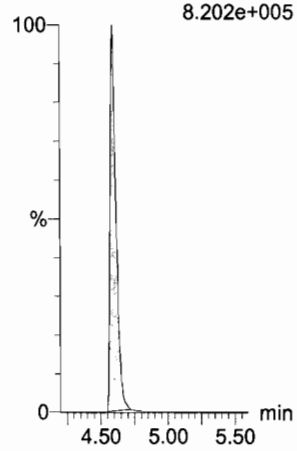
13C2-PFDoA



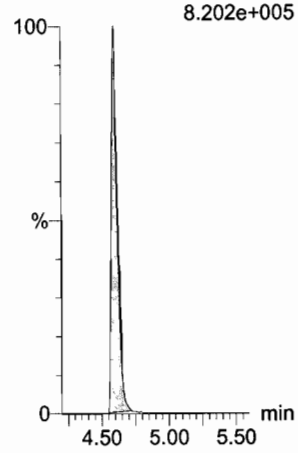
d3-N-MeFOSA



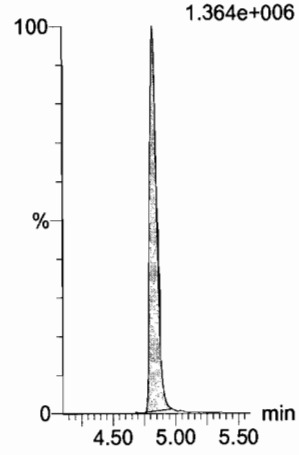
13C2-PFTeDA



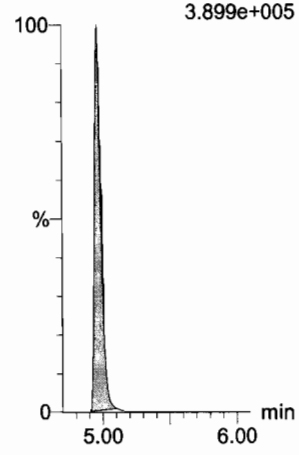
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

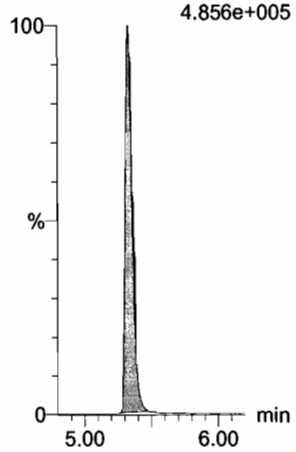


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

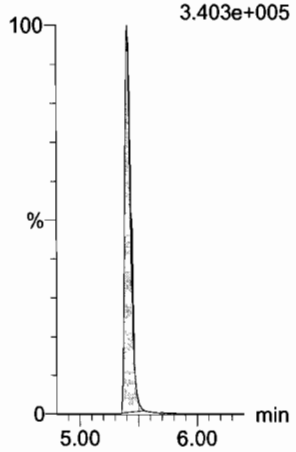
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_6, Date: 16-Oct-2017, Time: 14:31:02, ID: ST171016M4-5 PFC CS2 17J1609, Description: PFC CS2 17J1609

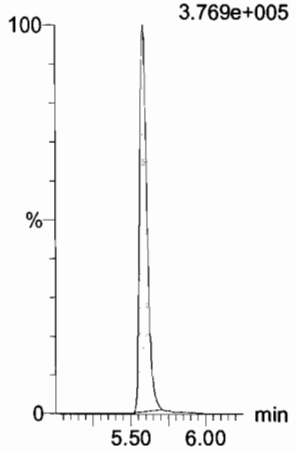
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
4.856e+005



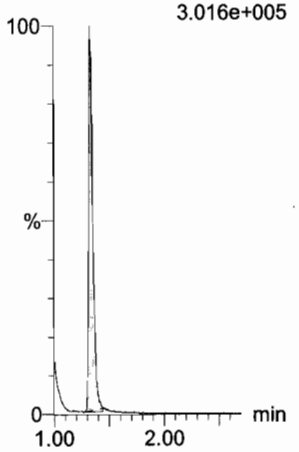
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
3.403e+005



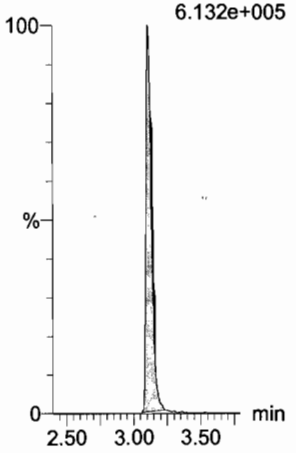
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
3.769e+005



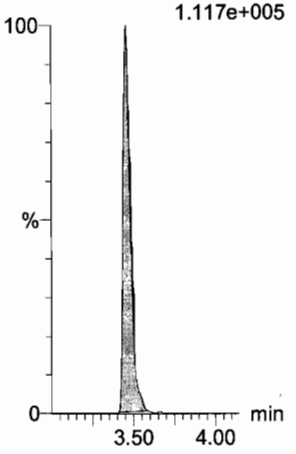
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
3.016e+005



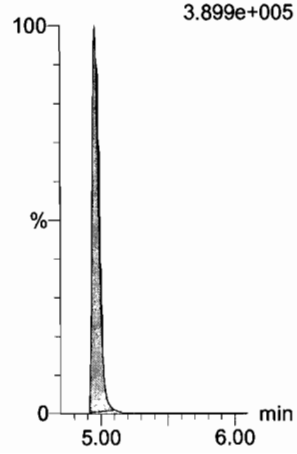
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
6.132e+005



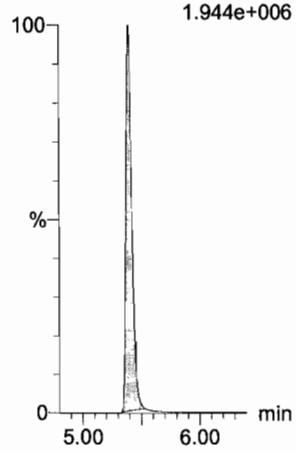
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
1.117e+005



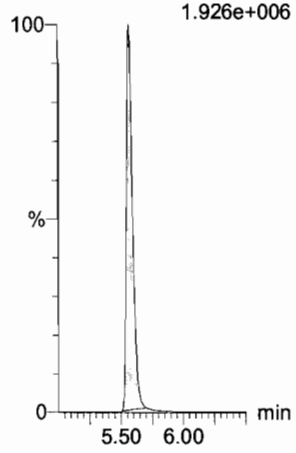
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.899e+005



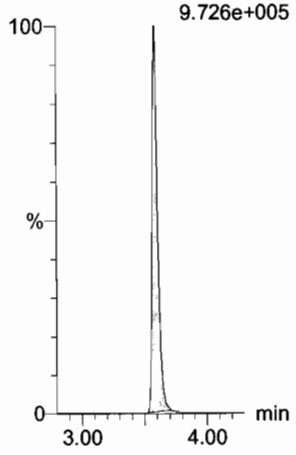
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.944e+006



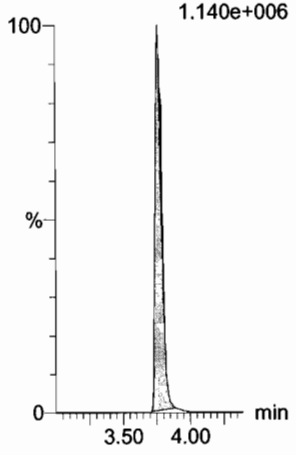
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.926e+006



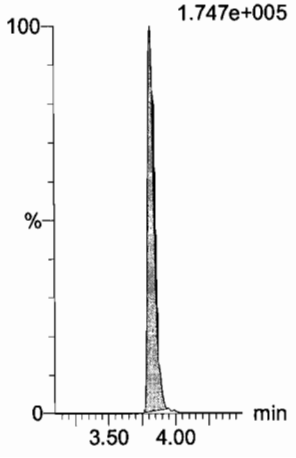
13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
9.726e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
1.140e+006



13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
1.747e+005

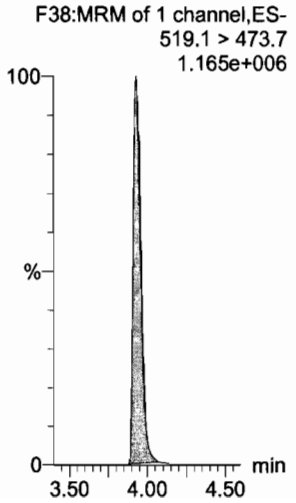


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

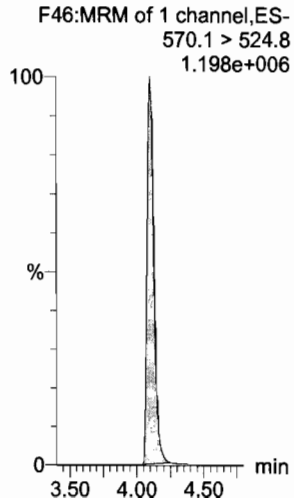
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_6, Date: 16-Oct-2017, Time: 14:31:02, ID: ST171016M4-5 PFC CS2 17J1609, Description: PFC CS2 17J1609

13C6-PFDA



13C7-PFUnA

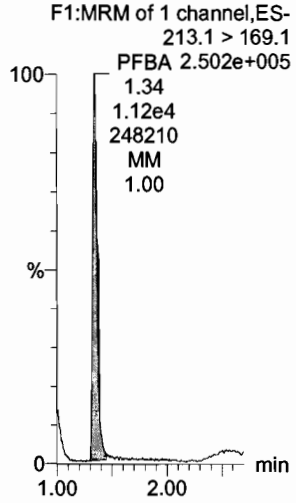


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

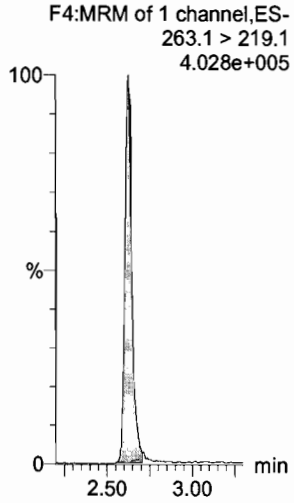
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_7, Date: 16-Oct-2017, Time: 14:41:48, ID: ST171016M4-6 PFC CS3 17J1602, Description: PFC CS3 17J1602

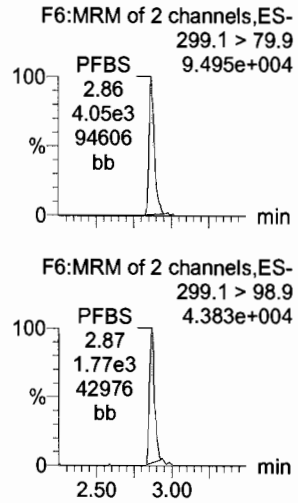
PFBA



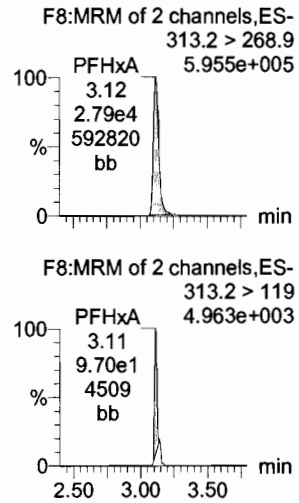
PFPeA



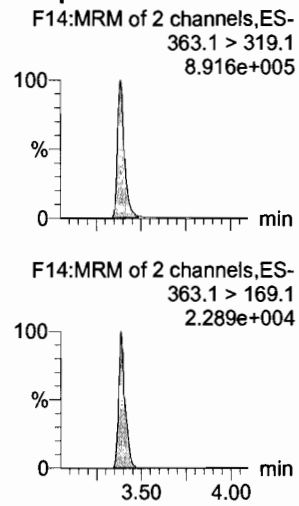
PFBS



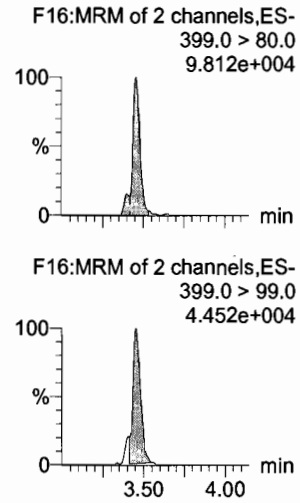
PFHxA



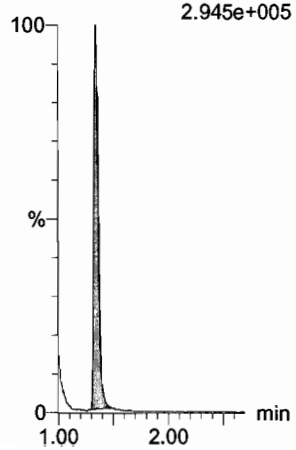
PFHpA



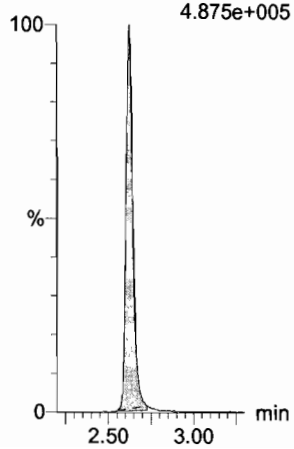
L-PFHxS



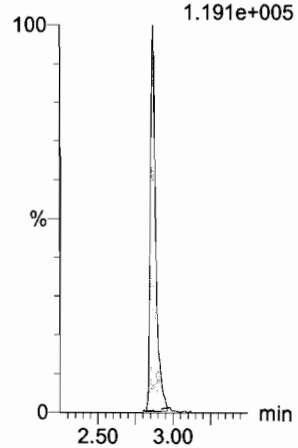
13C3-PFBA



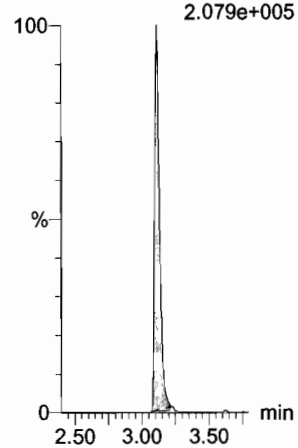
13C3-PFPeA



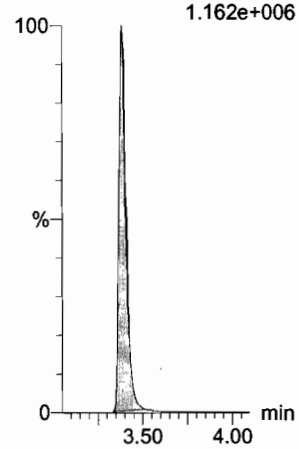
13C3-PFBS



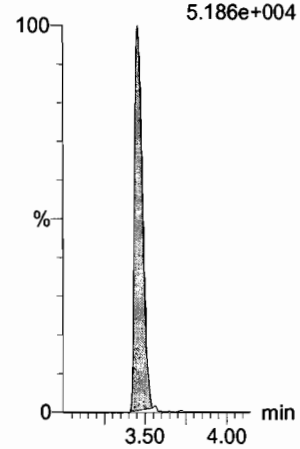
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

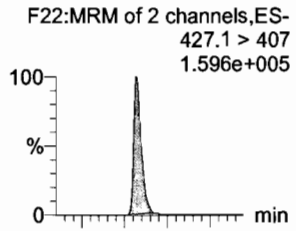


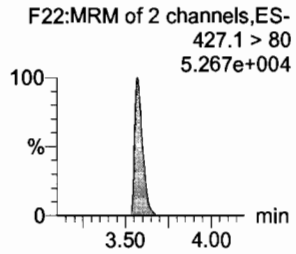
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

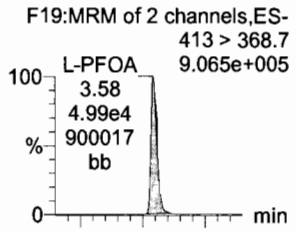
Name: 171016M4_7, Date: 16-Oct-2017, Time: 14:41:48, ID: ST171016M4-6 PFC CS3 17J1602, Description: PFC CS3 17J1602

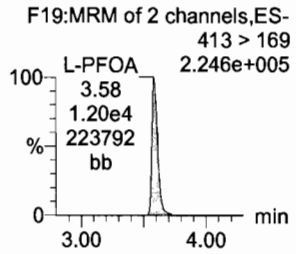
6:2 FTS



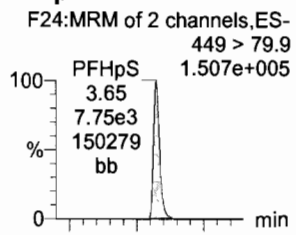


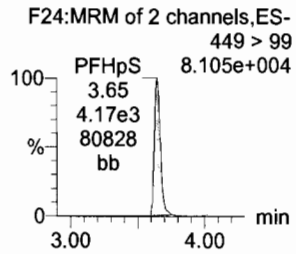
L-PFOA



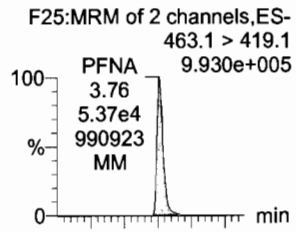


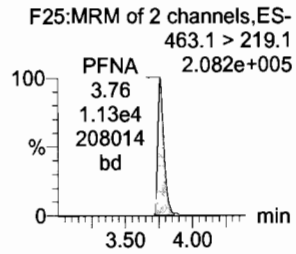
PFHpS



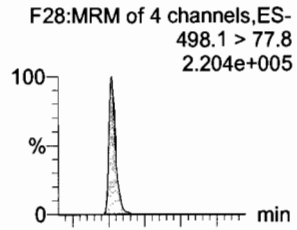


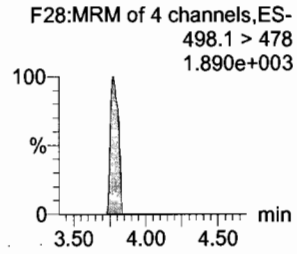
PFNA



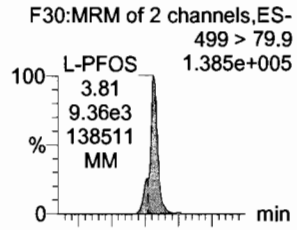


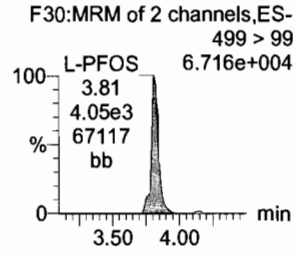
PFOSA



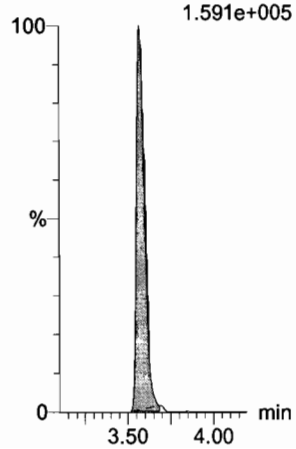


L-PFOS

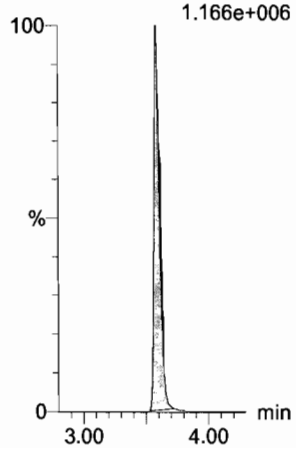




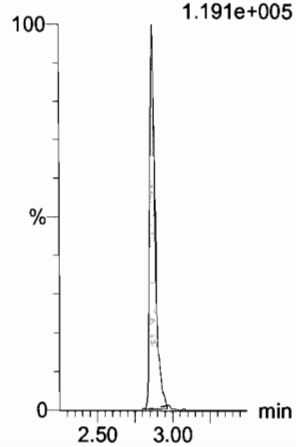
13C2-6:2 FTS



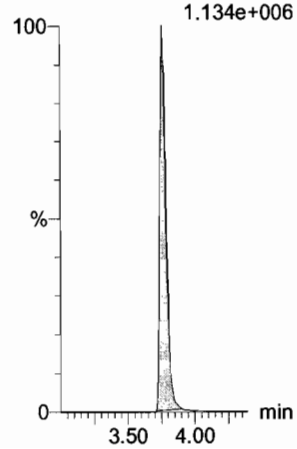
13C2-PFOA



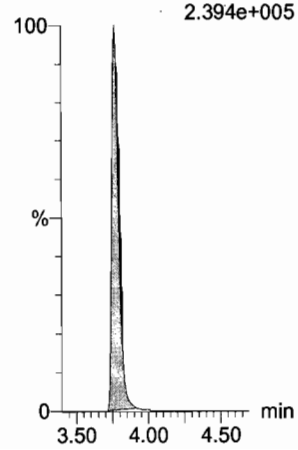
13C3-PFBS



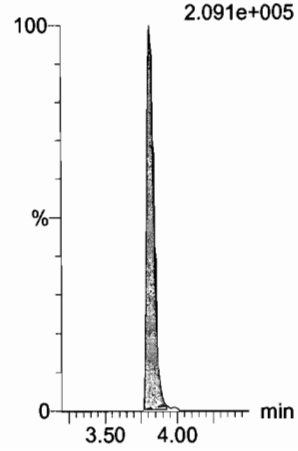
13C5-PFNA



13C8-PFOSA



13C8-PFOS

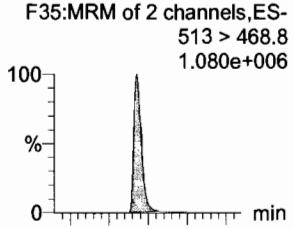


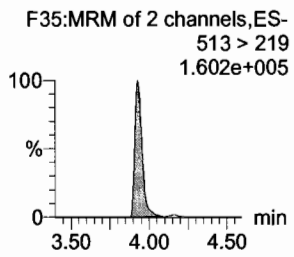
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

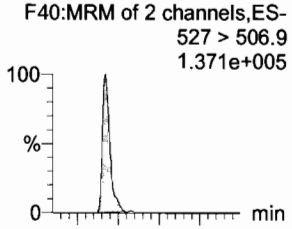
Name: 171016M4_7, Date: 16-Oct-2017, Time: 14:41:48, ID: ST171016M4-6 PFC CS3 17J1602, Description: PFC CS3 17J1602

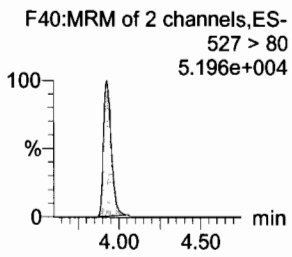
PFDA



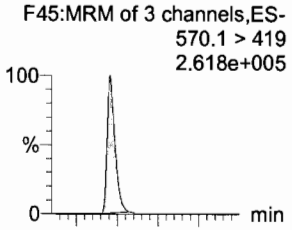


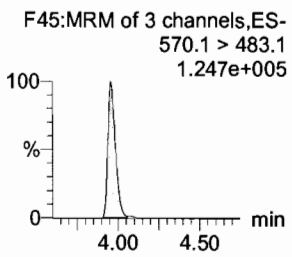
8:2 FTS



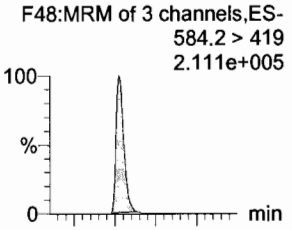


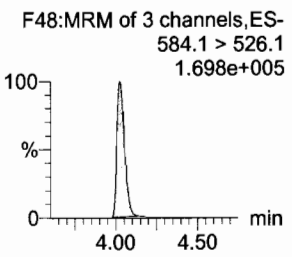
N-MeFOSAA



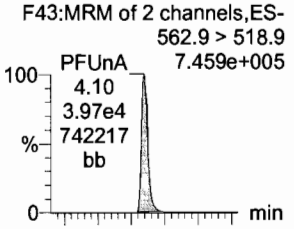


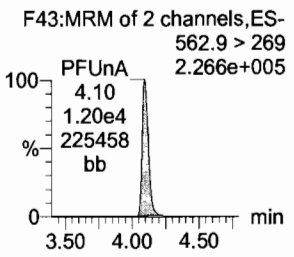
N-EtFOSAA



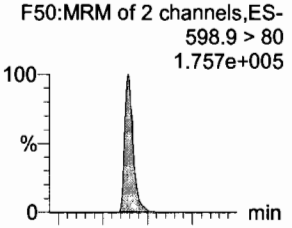


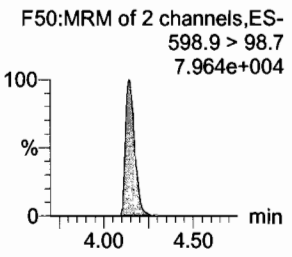
PFUnA



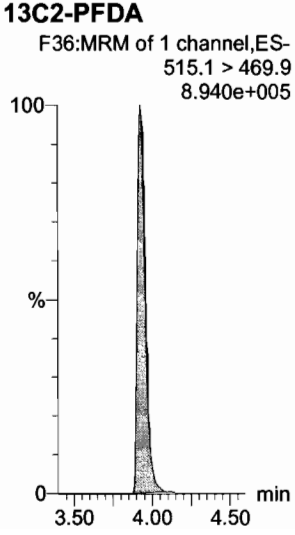


PFDS

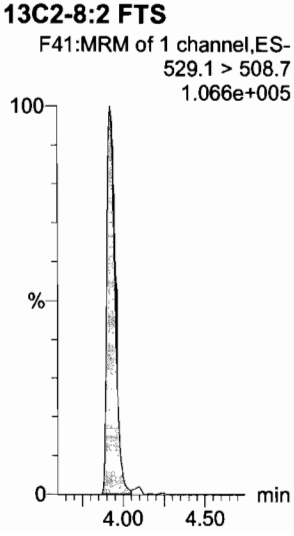




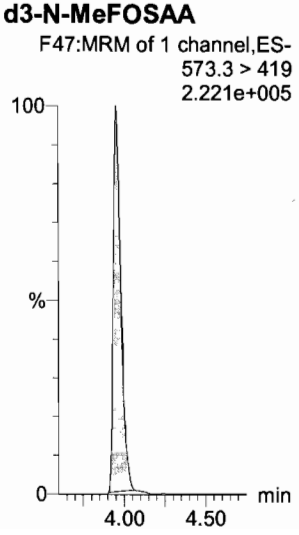
13C2-PFDA



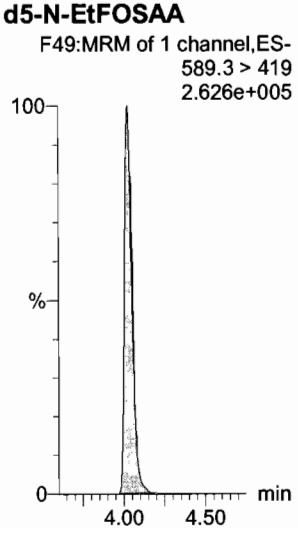
13C2-8:2 FTS



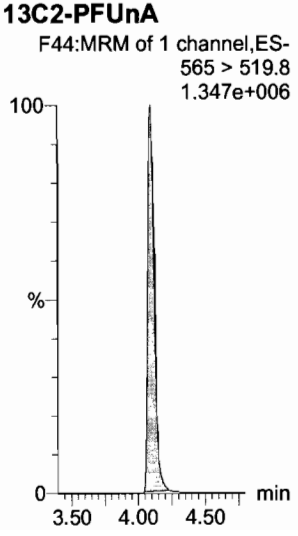
d3-N-MeFOSAA



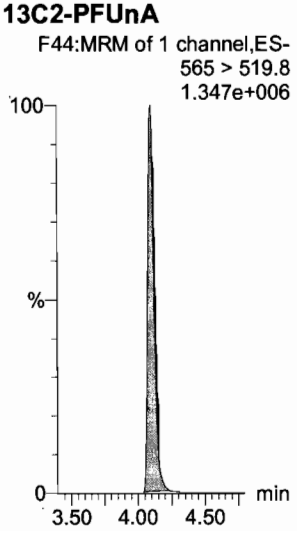
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

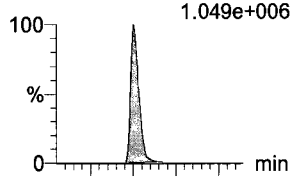


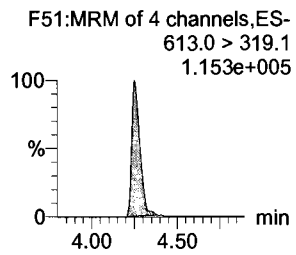
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

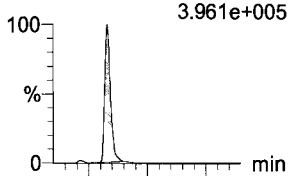
Name: 171016M4_7, Date: 16-Oct-2017, Time: 14:41:48, ID: ST171016M4-6 PFC CS3 17J1602, Description: PFC CS3 17J1602

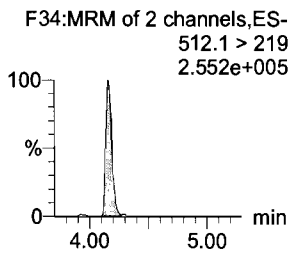
PFDoA



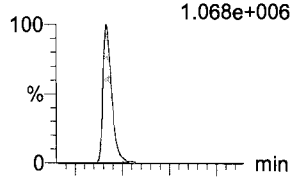


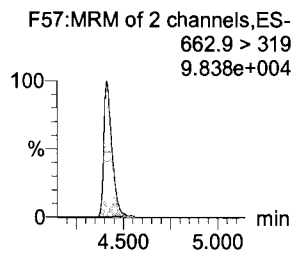
N-MeFOSA



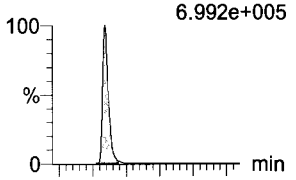


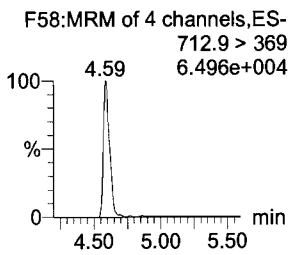
PFTrDA



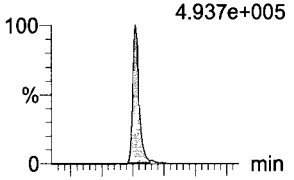


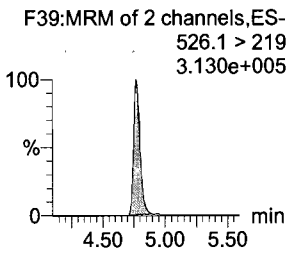
PFTeDA



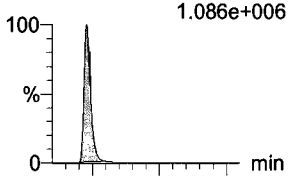


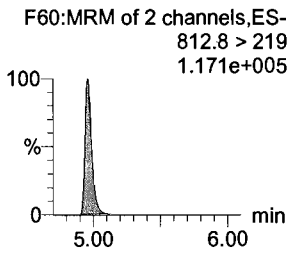
N-EtFOSA



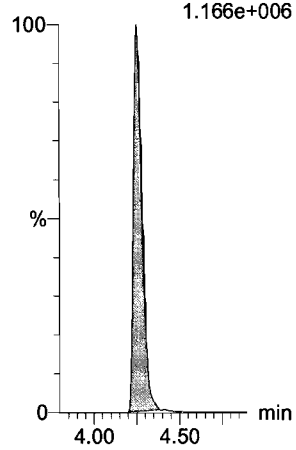


PFHxDA

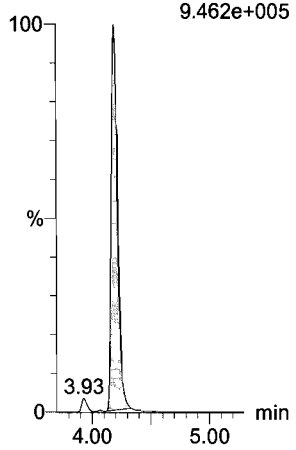




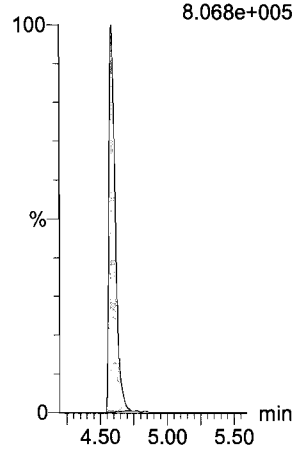
13C2-PFDoA



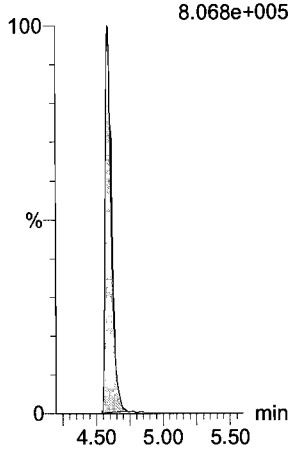
d3-N-MeFOSA



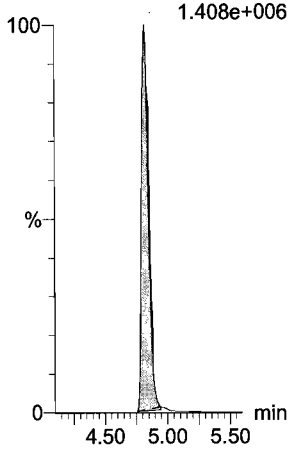
13C2-PFTeDA



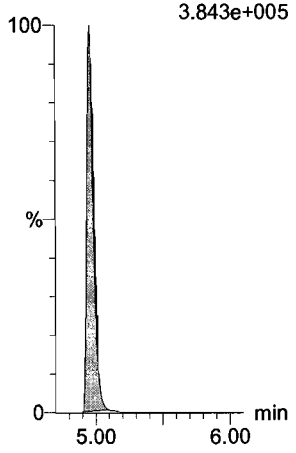
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

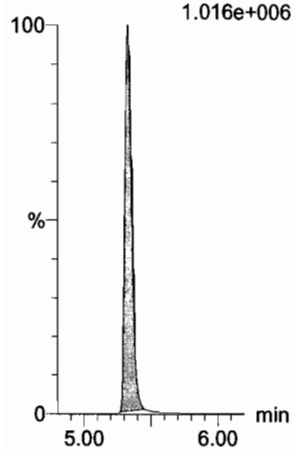


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

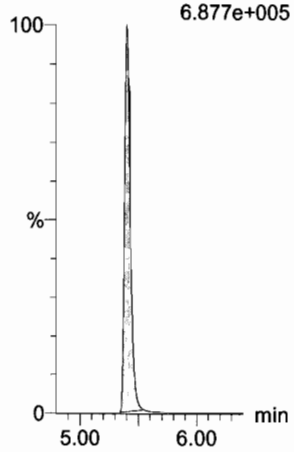
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_7, Date: 16-Oct-2017, Time: 14:41:48, ID: ST171016M4-6 PFC CS3 17J1602, Description: PFC CS3 17J1602

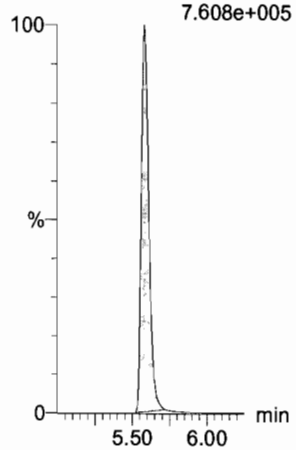
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
1.016e+006



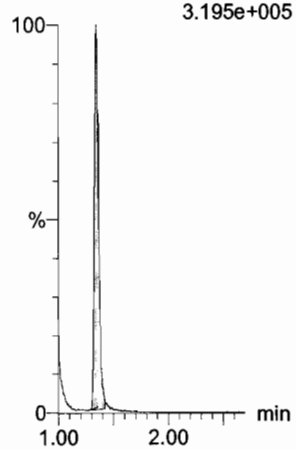
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
6.877e+005



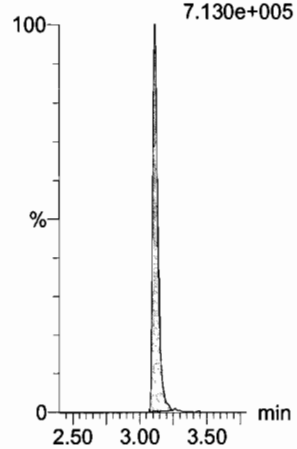
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
7.608e+005



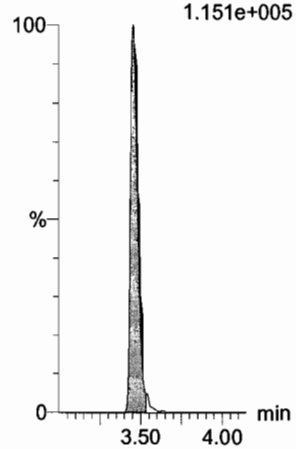
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
3.195e+005



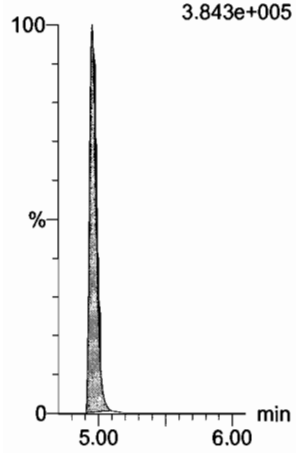
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
7.130e+005



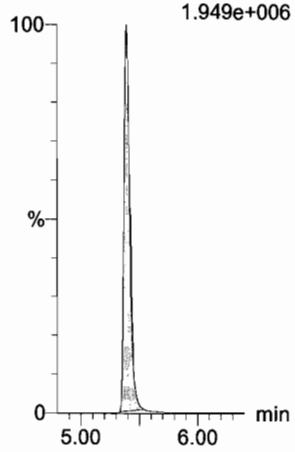
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
1.151e+005



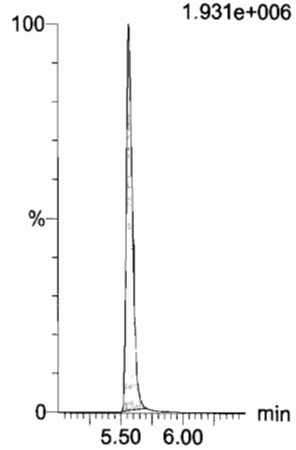
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.843e+005



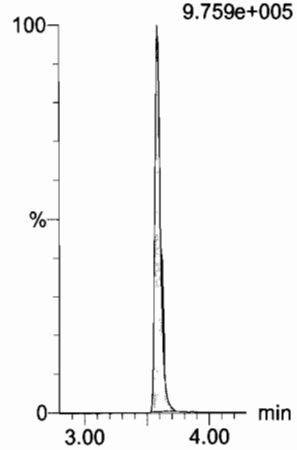
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.949e+006



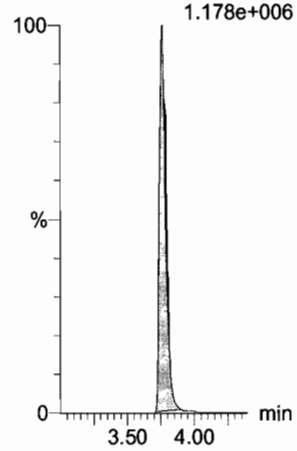
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.931e+006



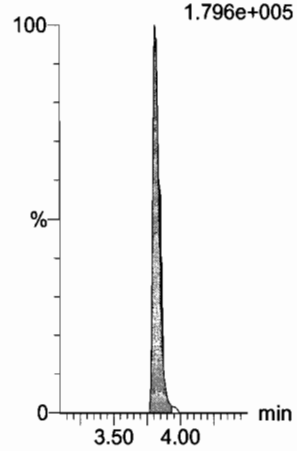
13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
9.759e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
1.178e+006



13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
1.796e+005

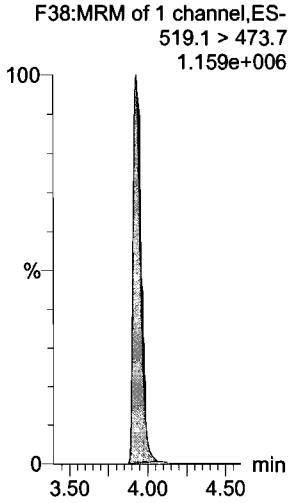


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

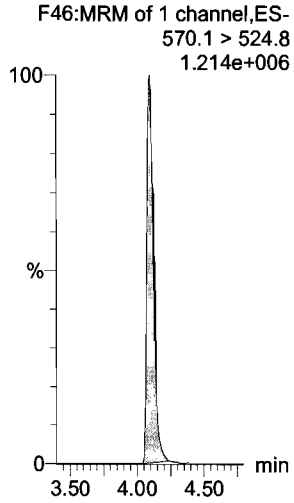
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_7, Date: 16-Oct-2017, Time: 14:41:48, ID: ST171016M4-6 PFC CS3 17J1602, Description: PFC CS3 17J1602

13C6-PFDA



13C7-PFUnA

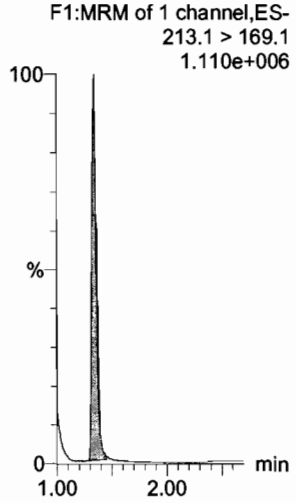


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

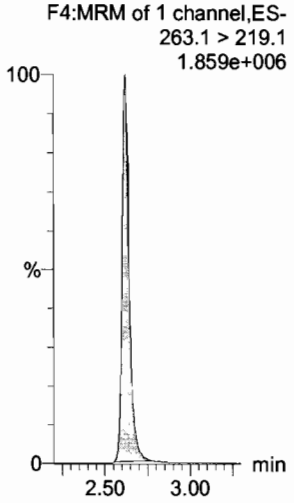
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_8, Date: 16-Oct-2017, Time: 14:52:26, ID: ST171016M4-7 PFC CS4 17J1611, Description: PFC CS4 17J1611

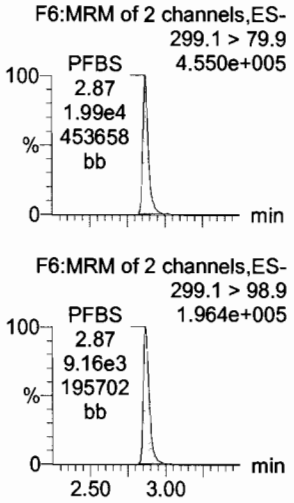
PFBA



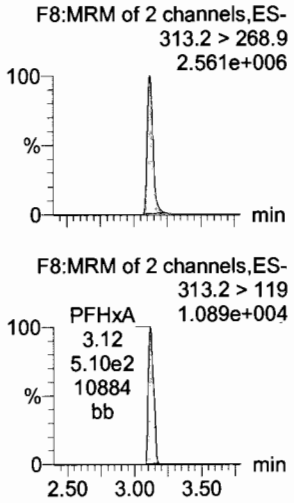
PFPeA



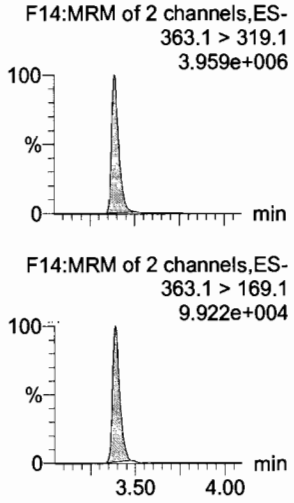
PFBS



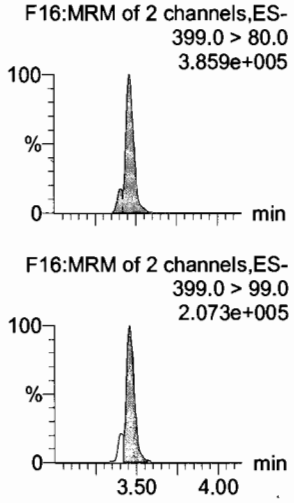
PFHxA



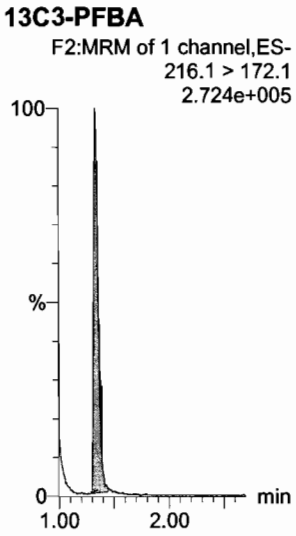
PFHpA



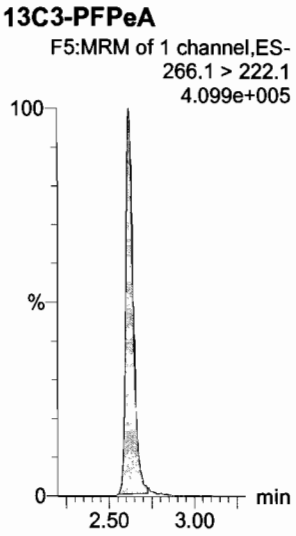
L-PFHxS



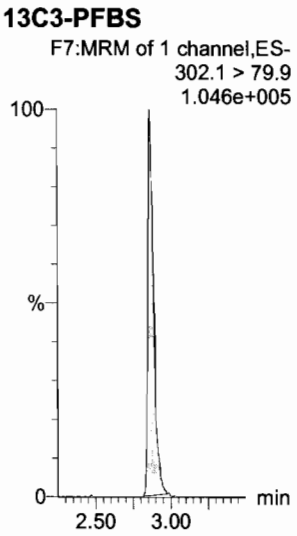
13C3-PFBA



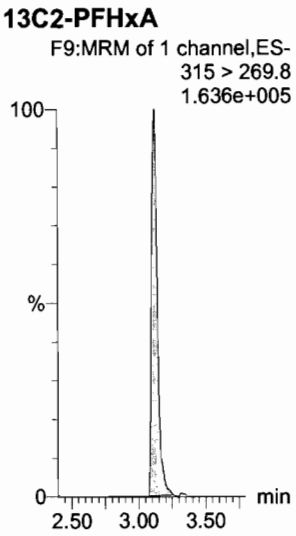
13C3-PFPeA



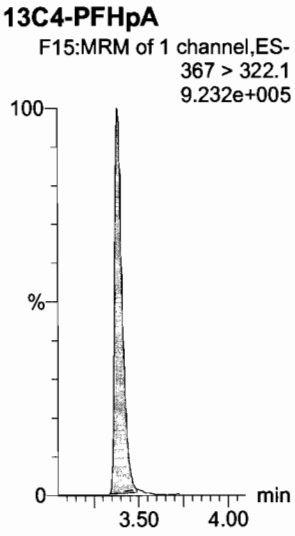
13C3-PFBS



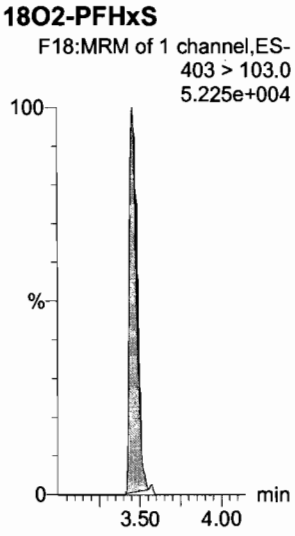
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

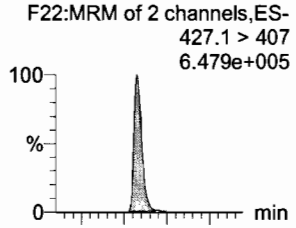


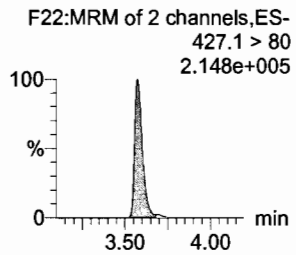
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

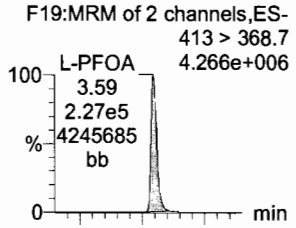
Name: 171016M4_8, Date: 16-Oct-2017, Time: 14:52:26, ID: ST171016M4-7 PFC CS4 17J1611, Description: PFC CS4 17J1611

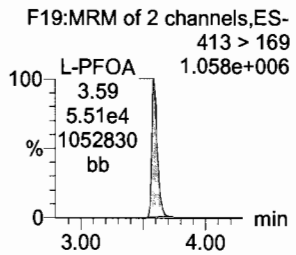
6:2 FTS



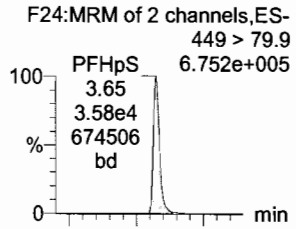


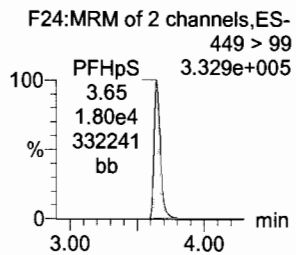
L-PFOA



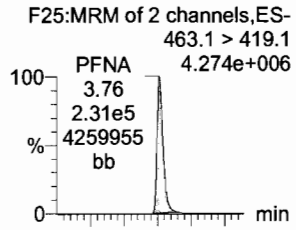


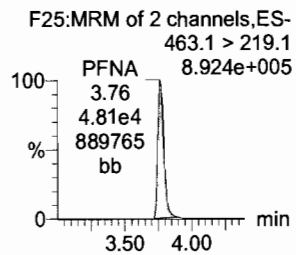
PFHpS



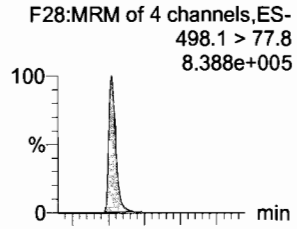


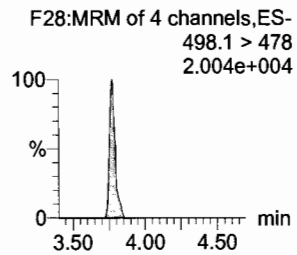
PFNA



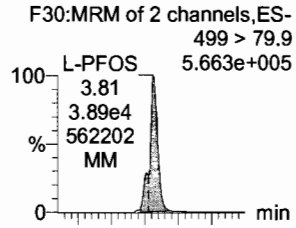


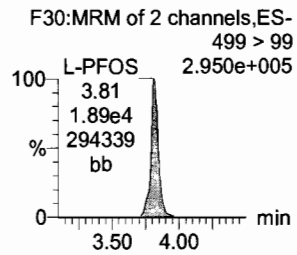
PFOSA



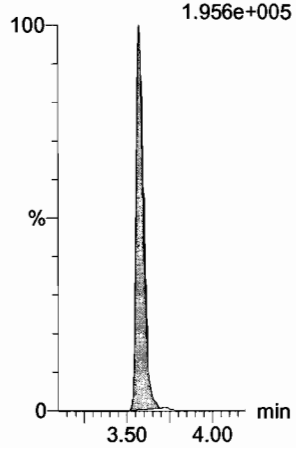


L-PFOS

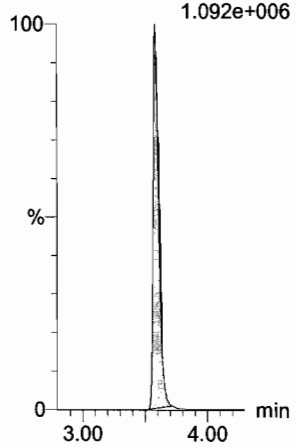




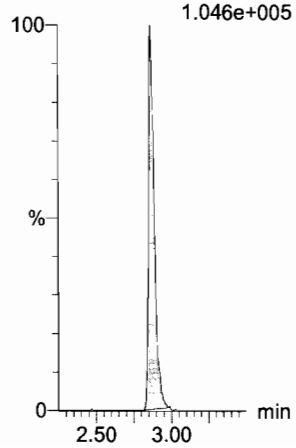
13C2-6:2 FTS



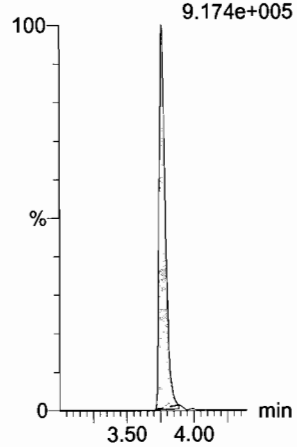
13C2-PFOA



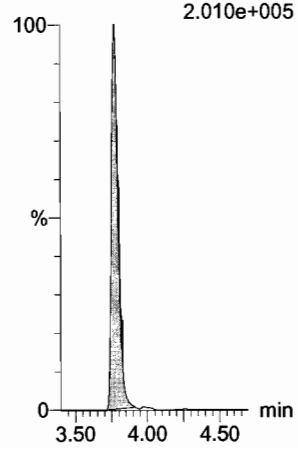
13C3-PFBS



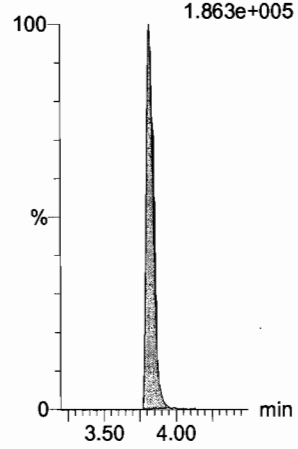
13C5-PFNA



13C8-PFOSA



13C8-PFOS

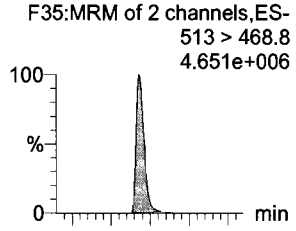


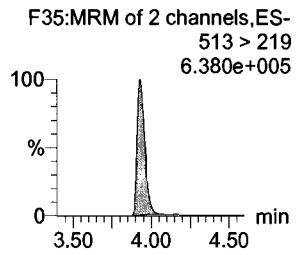
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

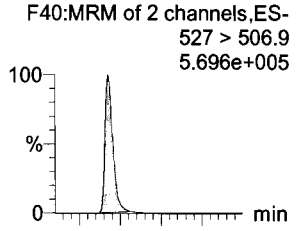
Name: 171016M4_8, Date: 16-Oct-2017, Time: 14:52:26, ID: ST171016M4-7 PFC CS4 17J1611, Description: PFC CS4 17J1611

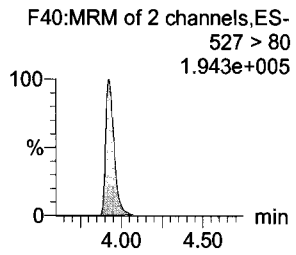
PFDA



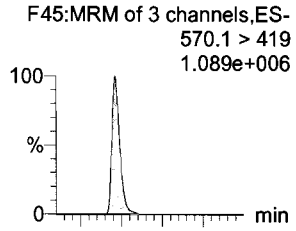


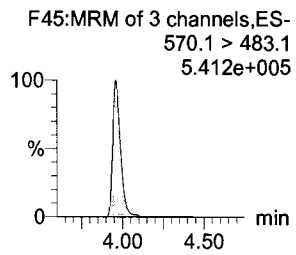
8:2 FTS



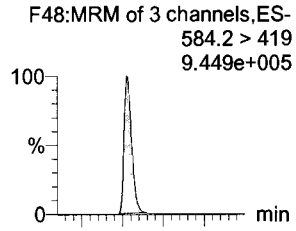


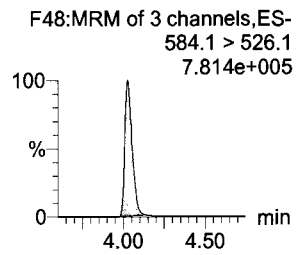
N-MeFOSAA



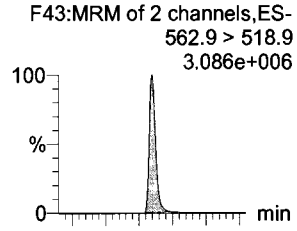


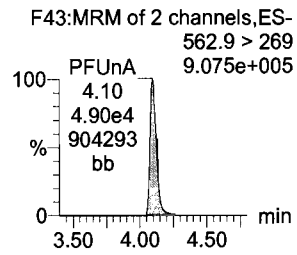
N-EtFOSAA



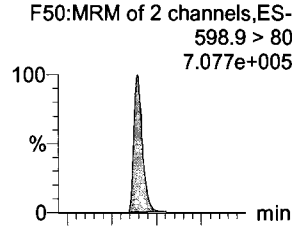


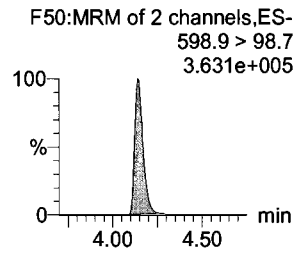
PFUnA



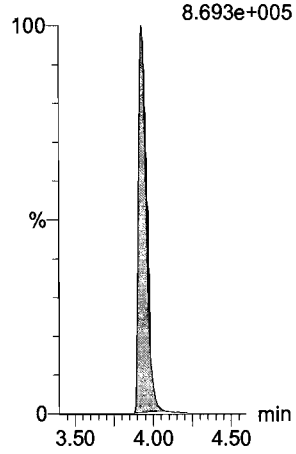


PFDS

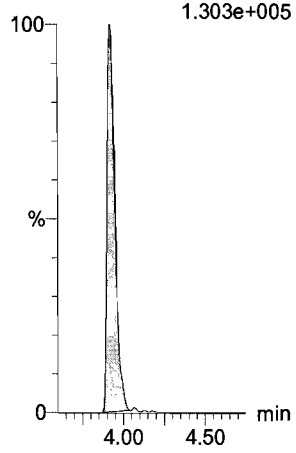




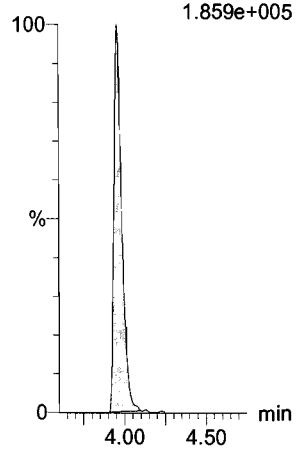
13C2-PFDA



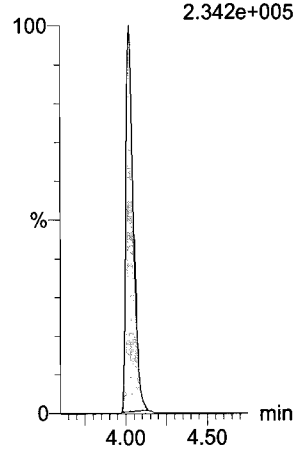
13C2-8:2 FTS



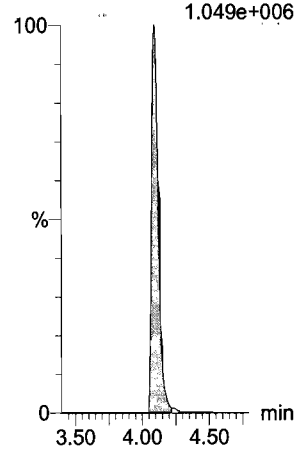
d3-N-MeFOSAA



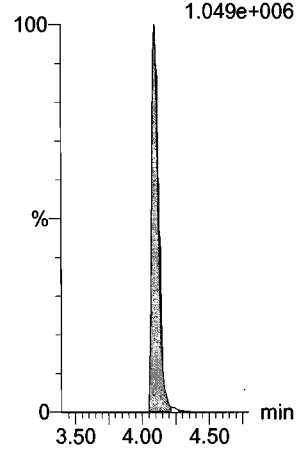
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

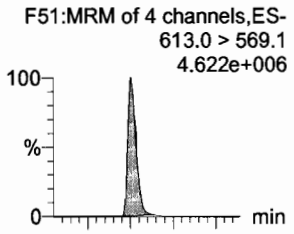


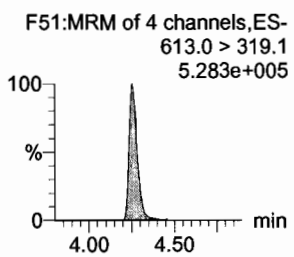
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

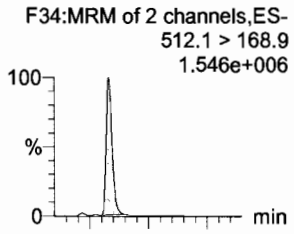
Name: 171016M4_8, Date: 16-Oct-2017, Time: 14:52:26, ID: ST171016M4-7 PFC CS4 17J1611, Description: PFC CS4 17J1611

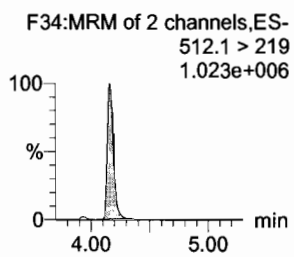
PFDoA



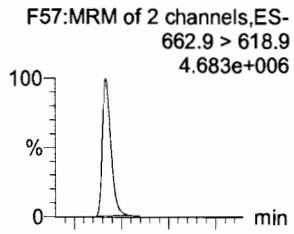


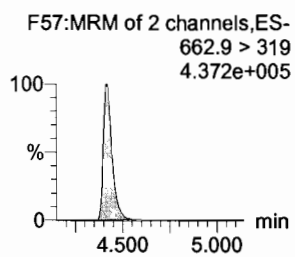
N-MeFOSA



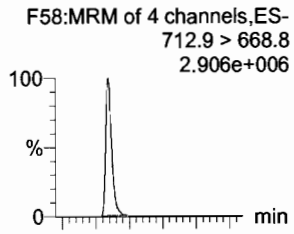


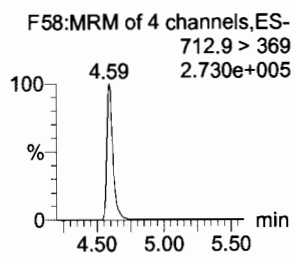
PFTrDA



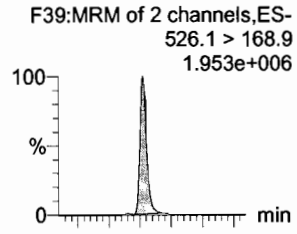


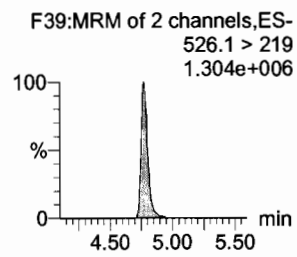
PFTeDA



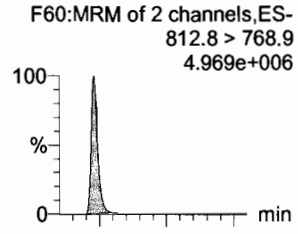


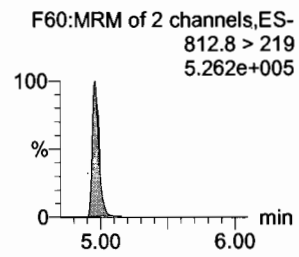
N-EtFOSA



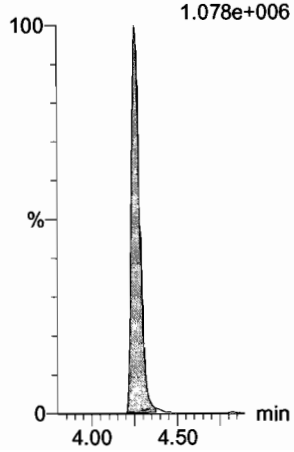


PFHxDA

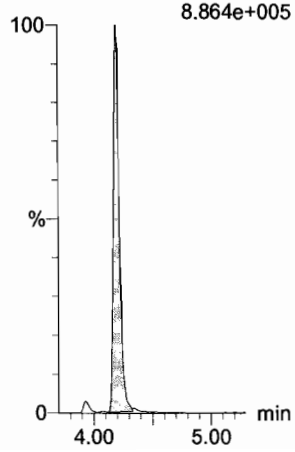




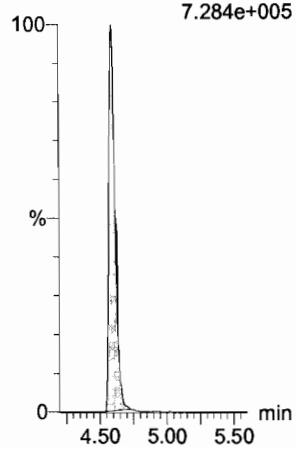
13C2-PFDoA



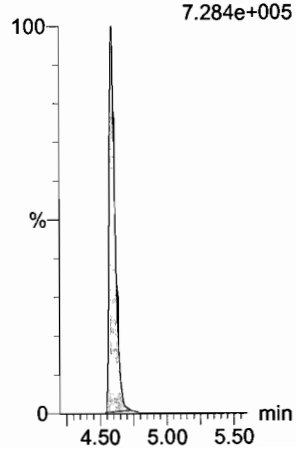
d3-N-MeFOSA



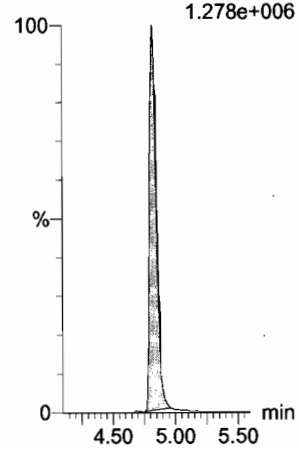
13C2-PFTeDA



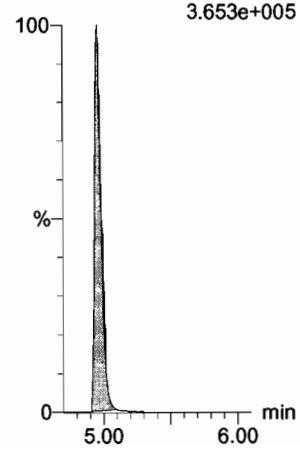
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

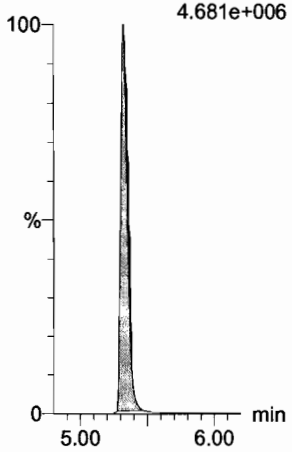


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

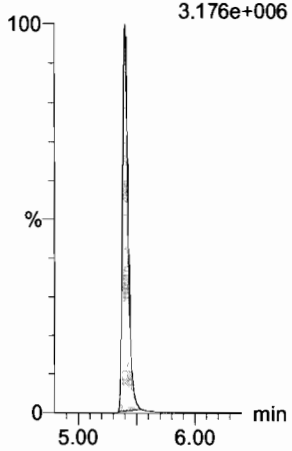
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_8, Date: 16-Oct-2017, Time: 14:52:26, ID: ST171016M4-7 PFC CS4 17J1611, Description: PFC CS4 17J1611

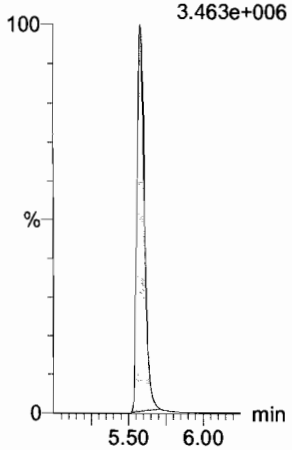
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
4.681e+006



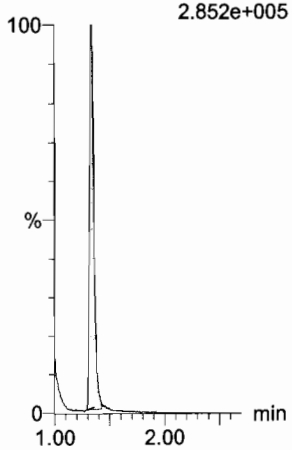
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
3.176e+006



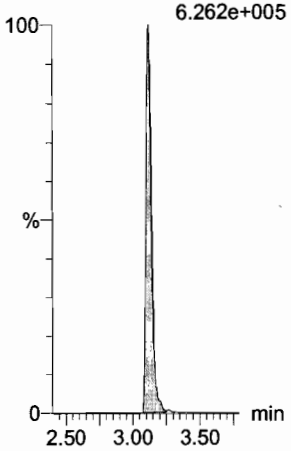
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
3.463e+006



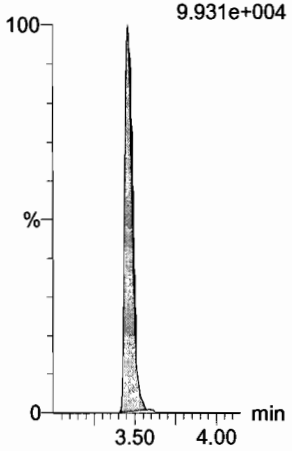
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
2.852e+005



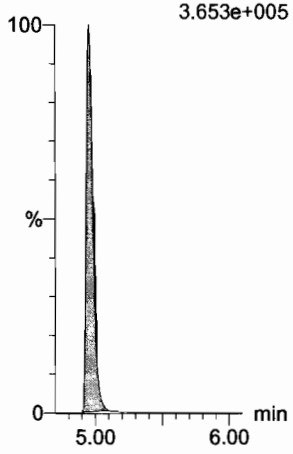
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
6.262e+005



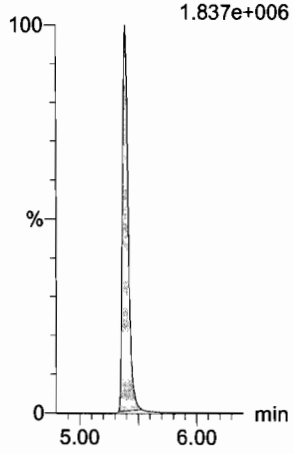
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
9.931e+004



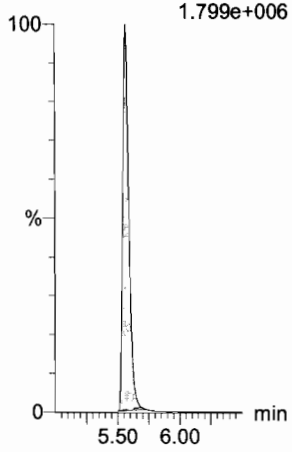
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.653e+005



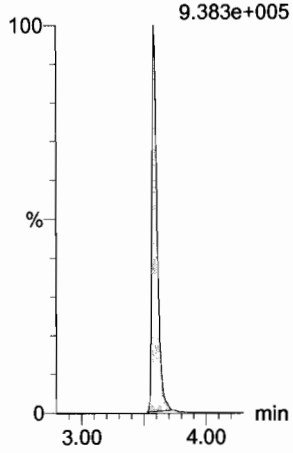
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.837e+006



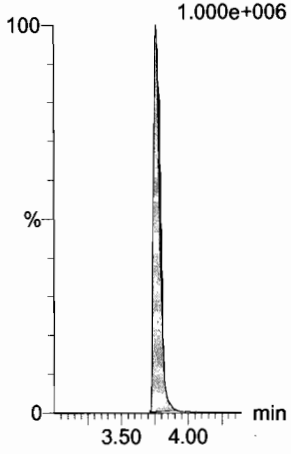
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.799e+006



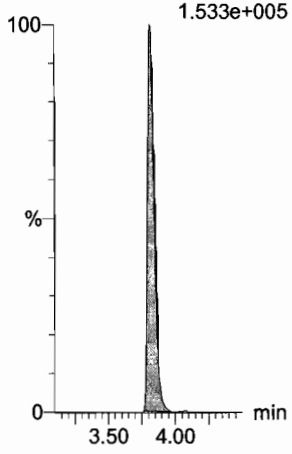
13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
9.383e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
1.000e+006



13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
1.533e+005

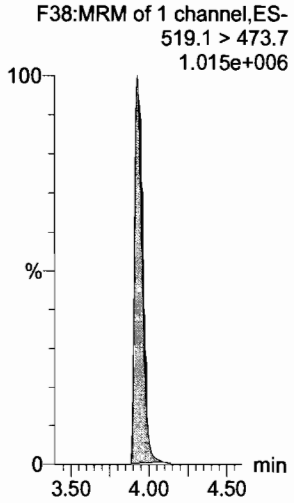


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

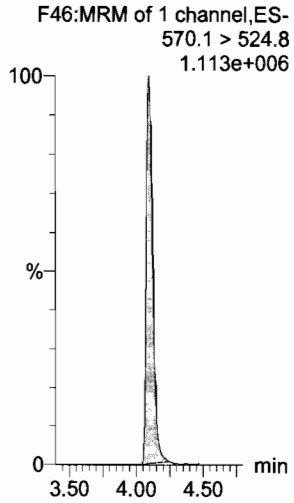
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_8, Date: 16-Oct-2017, Time: 14:52:26, ID: ST171016M4-7 PFC CS4 17J1611, Description: PFC CS4 17J1611

13C6-PFDA



13C7-PFUnA

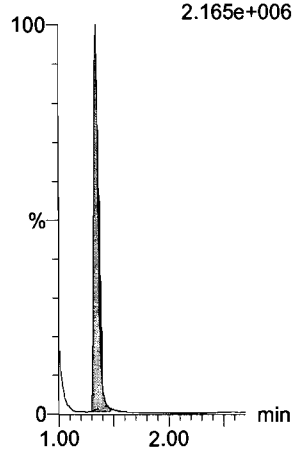


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

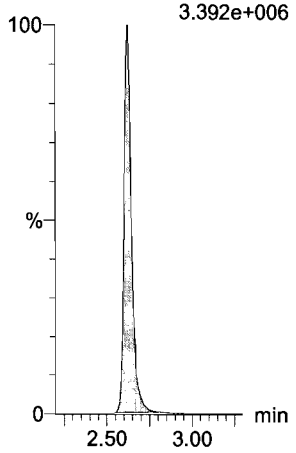
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_9, Date: 16-Oct-2017, Time: 15:03:05, ID: ST171016M4-8 PFC CS5 17J1612, Description: PFC CS5 17J1612

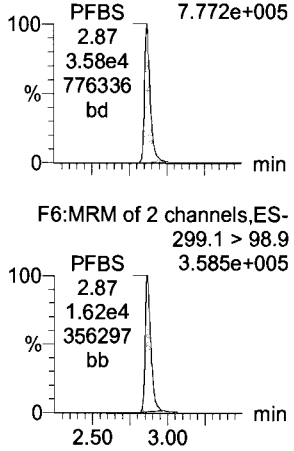
PFBA



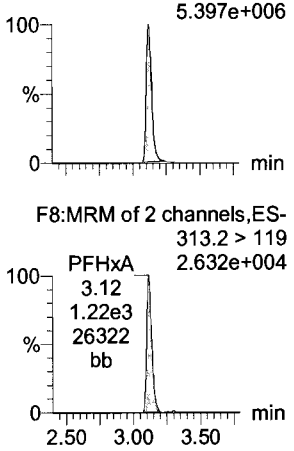
PFPeA



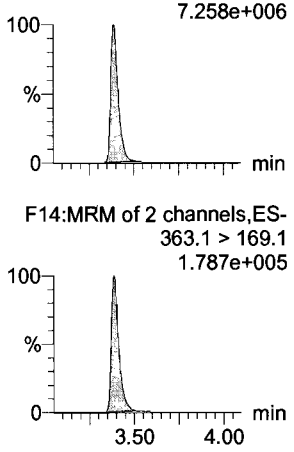
PFBS



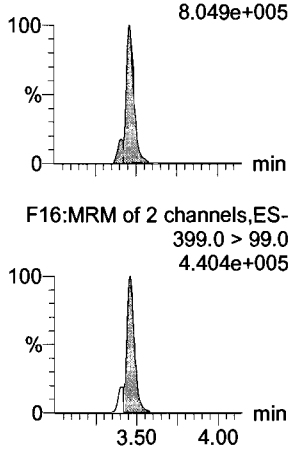
PFHxA



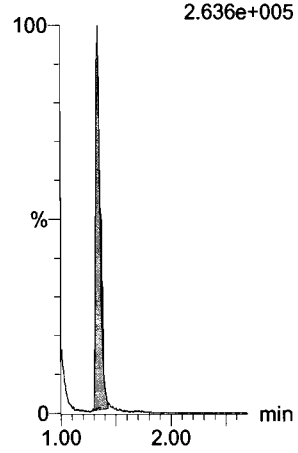
PFHpA



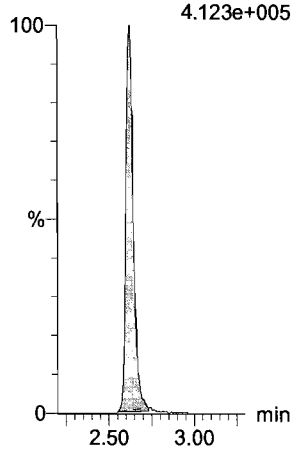
L-PFHxS



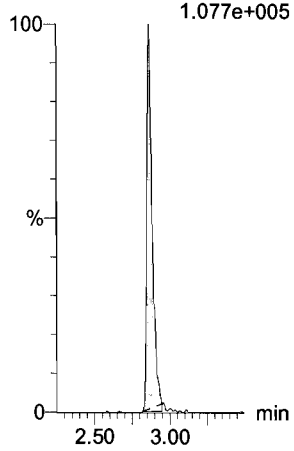
13C3-PFBA



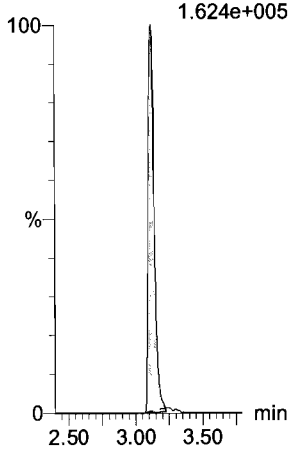
13C3-PFPeA



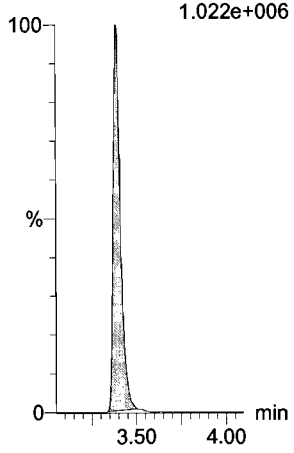
13C3-PFBS



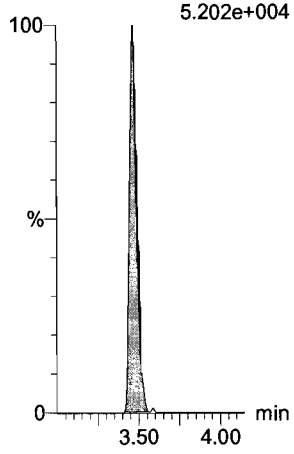
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

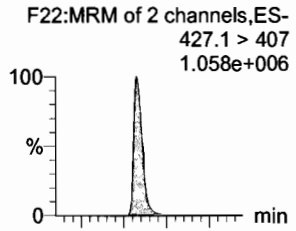


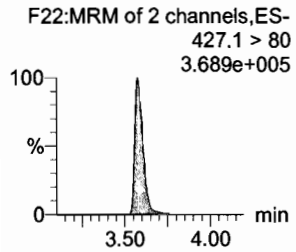
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

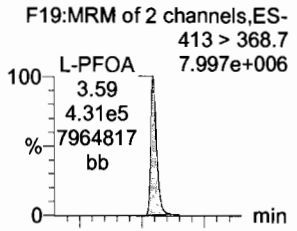
Name: 171016M4_9, Date: 16-Oct-2017, Time: 15:03:05, ID: ST171016M4-8 PFC CS5 17J1612, Description: PFC CS5 17J1612

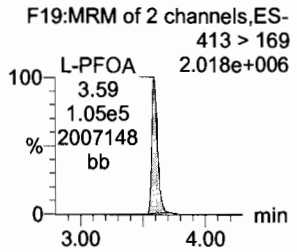
6:2 FTS



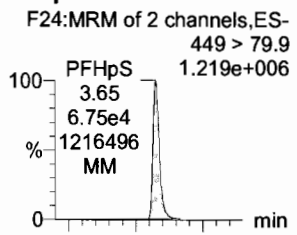


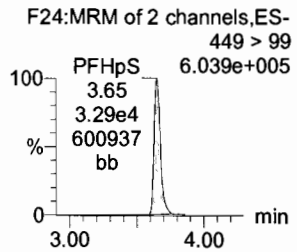
L-PFOA



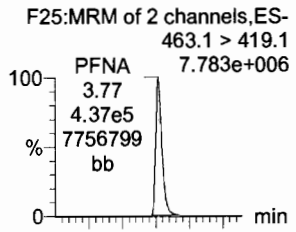


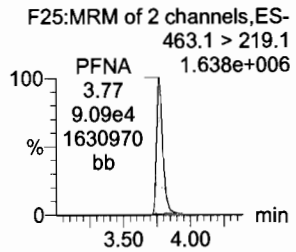
PFHpS



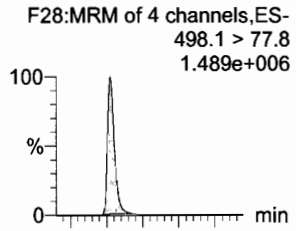


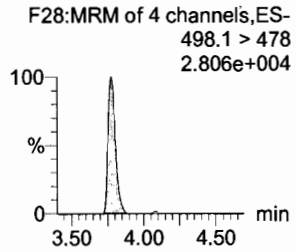
PFNA



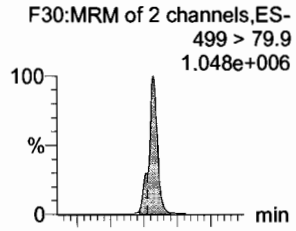


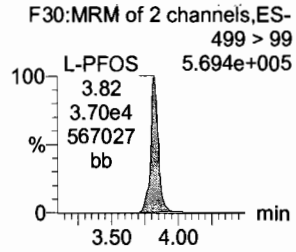
PFOSA



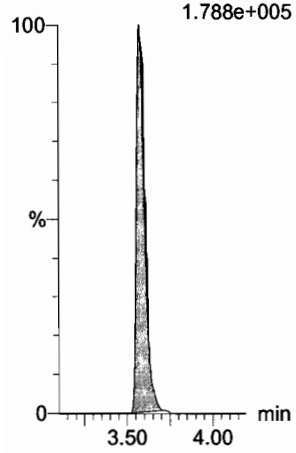


L-PFOS

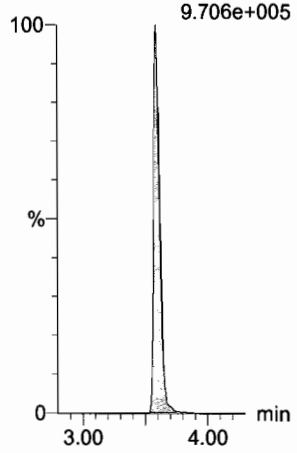




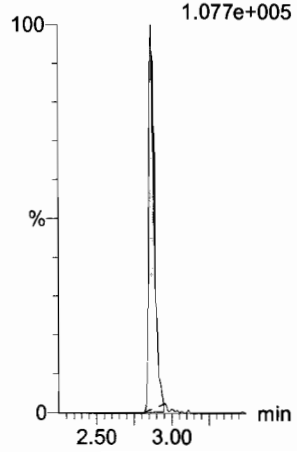
13C2-6:2 FTS



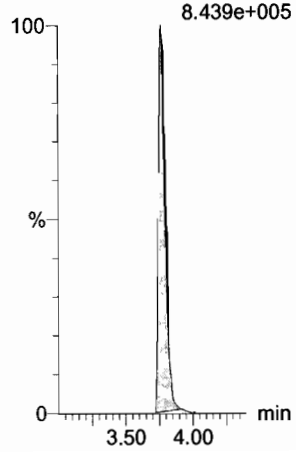
13C2-PFOA



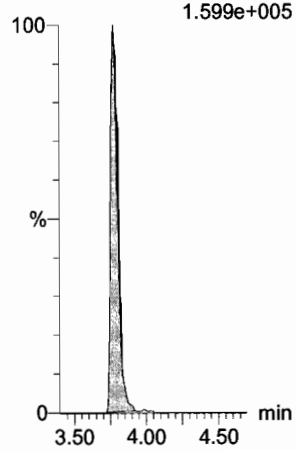
13C3-PFBS



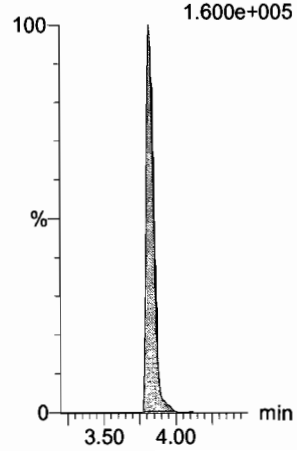
13C5-PFNA



13C8-PFOSA



13C8-PFOS

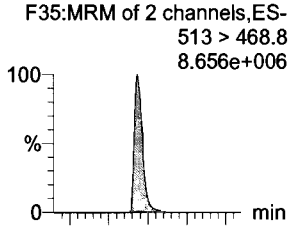


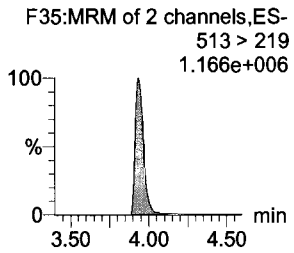
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

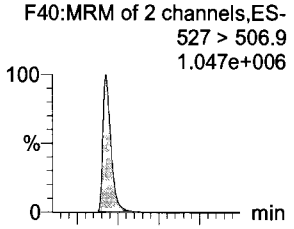
Name: 171016M4_9, Date: 16-Oct-2017, Time: 15:03:05, ID: ST171016M4-8 PFC CS5 17J1612, Description: PFC CS5 17J1612

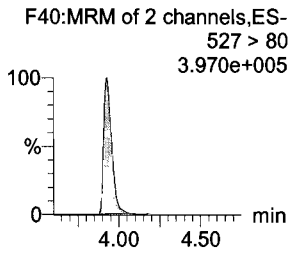
PFDA



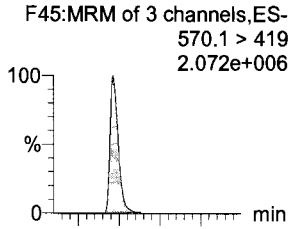


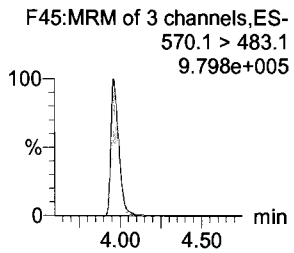
8:2 FTS



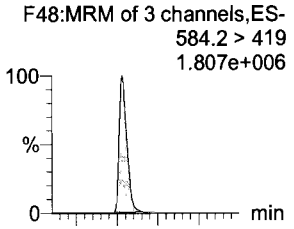


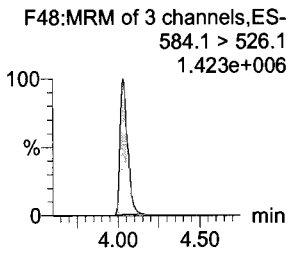
N-MeFOSAA



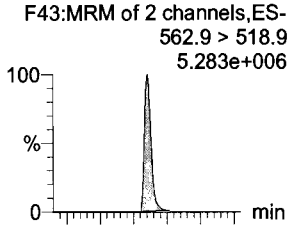


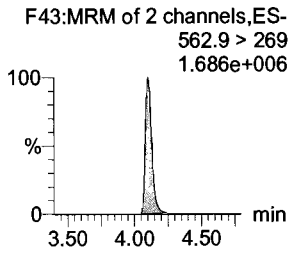
N-EtFOSAA



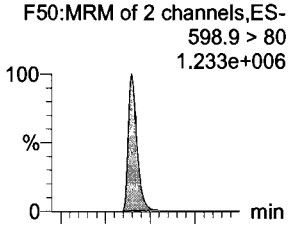


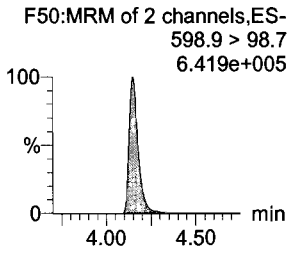
PFUnA



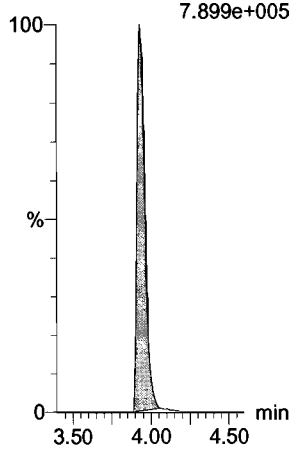


PFDS

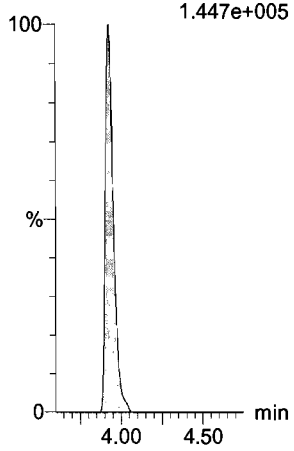




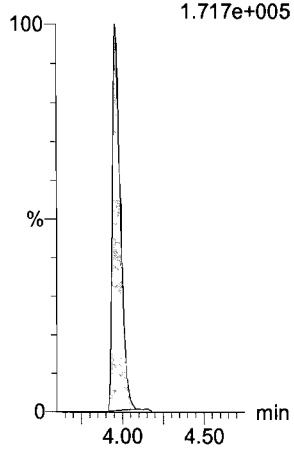
13C2-PFDA



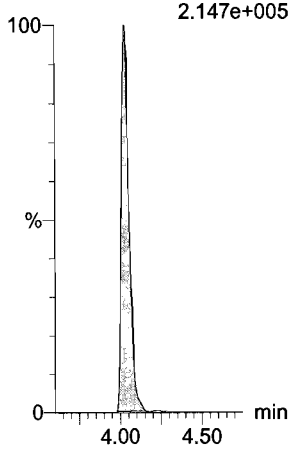
13C2-8:2 FTS



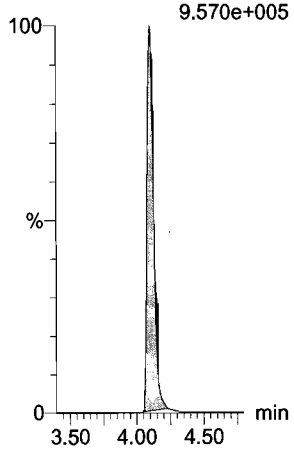
d3-N-MeFOSAA



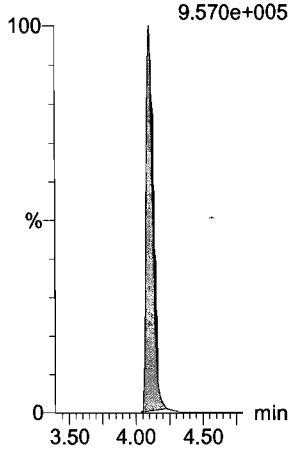
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

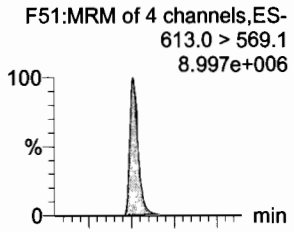


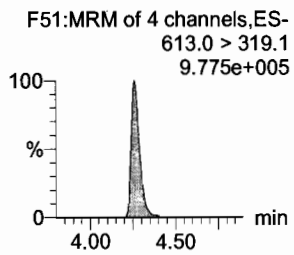
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

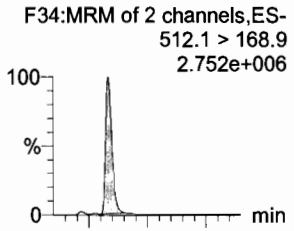
Name: 171016M4_9, Date: 16-Oct-2017, Time: 15:03:05, ID: ST171016M4-8 PFC CS5 17J1612, Description: PFC CS5 17J1612

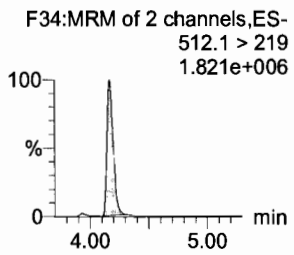
PFDoA



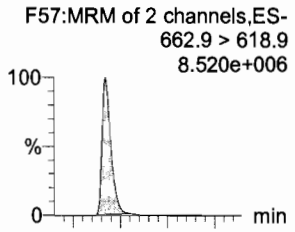


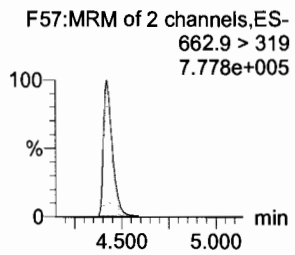
N-MeFOSA



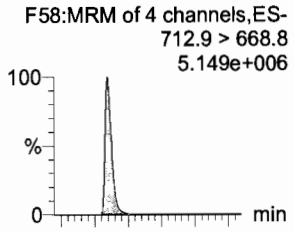


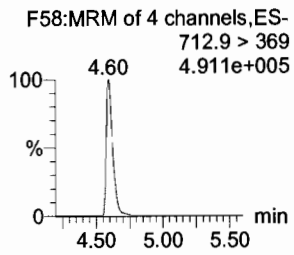
PFTrDA



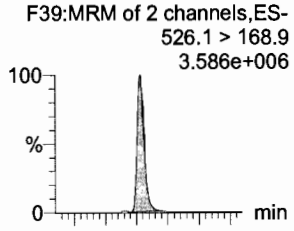


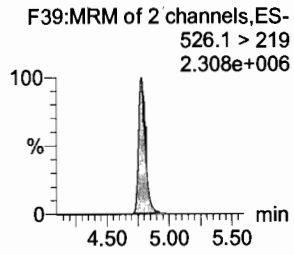
PFTeDA



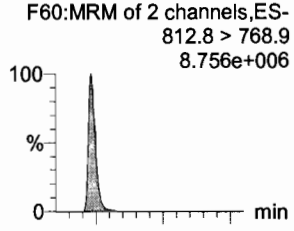


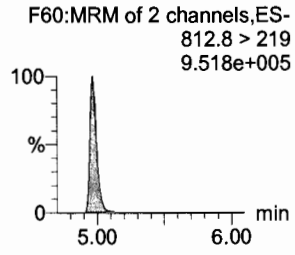
N-EtFOSA



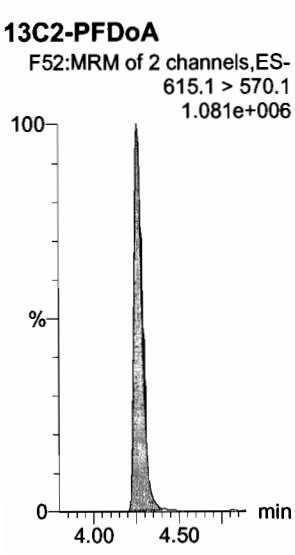


PFHxDA

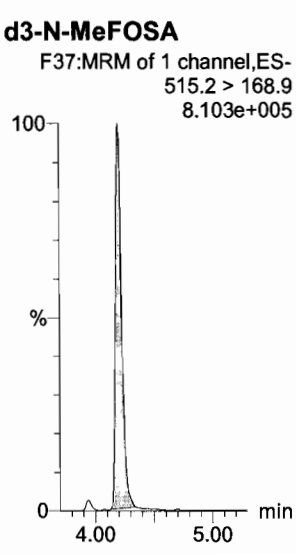




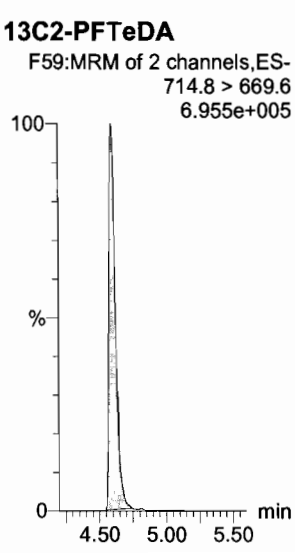
13C2-PFDoA



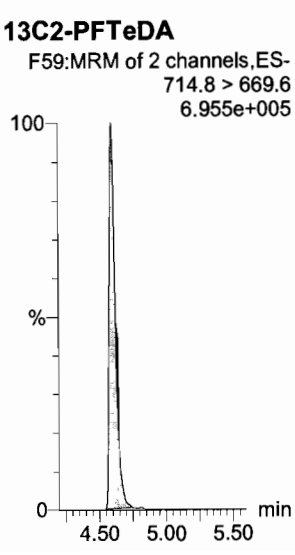
d3-N-MeFOSA



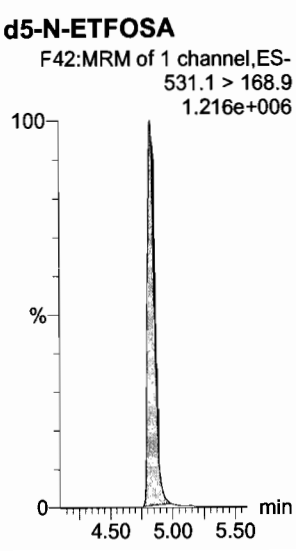
13C2-PFTeDA



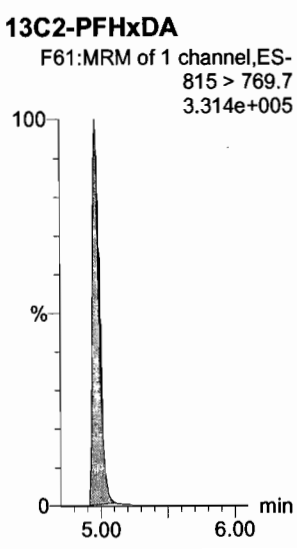
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

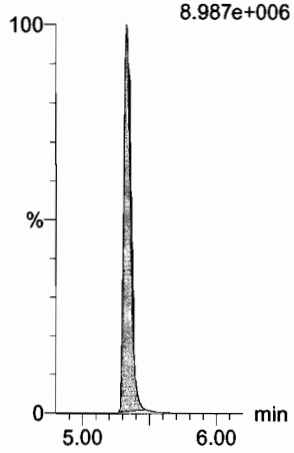


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

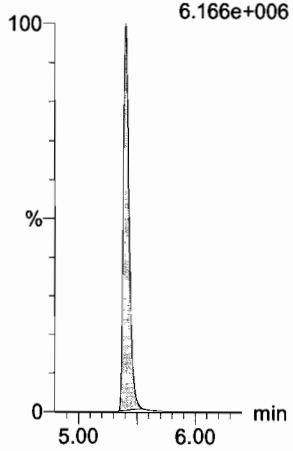
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_9, Date: 16-Oct-2017, Time: 15:03:05, ID: ST171016M4-8 PFC CS5 17J1612, Description: PFC CS5 17J1612

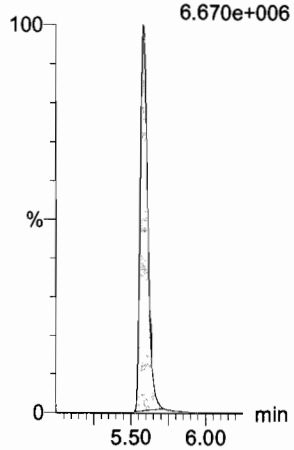
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
8.987e+006



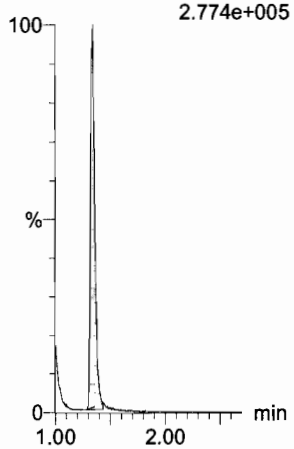
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
6.166e+006



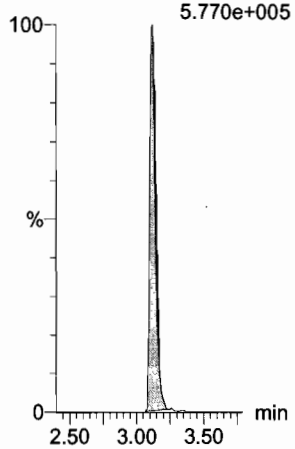
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
6.670e+006



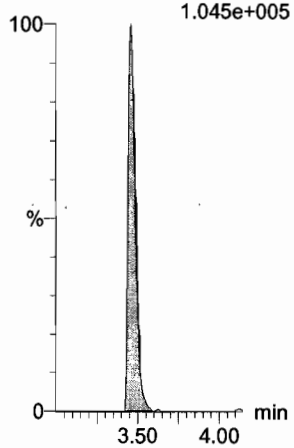
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
2.774e+005



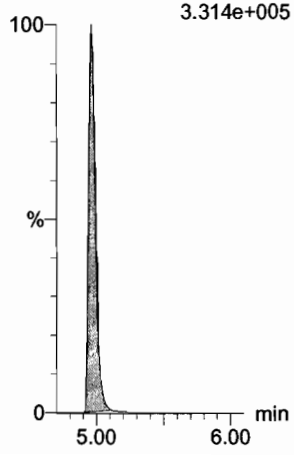
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
5.770e+005



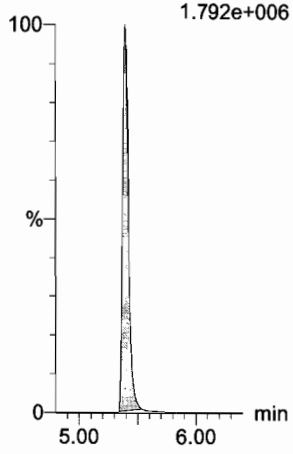
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
1.045e+005



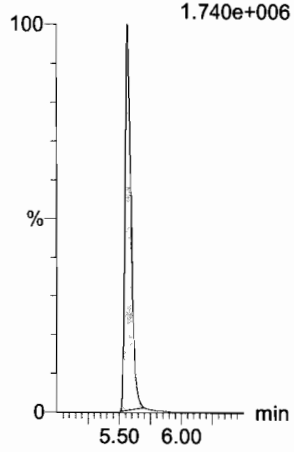
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.314e+005



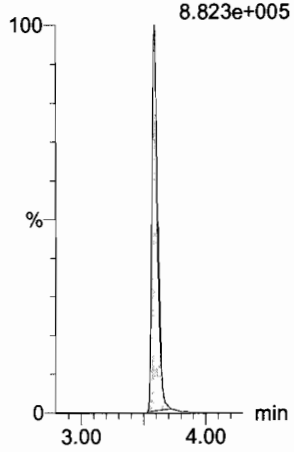
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.792e+006



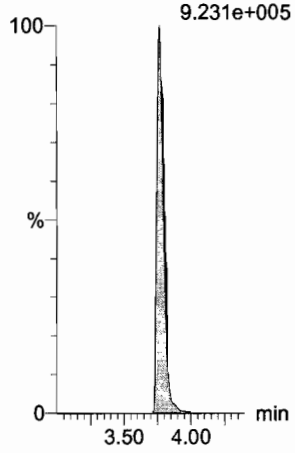
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.740e+006



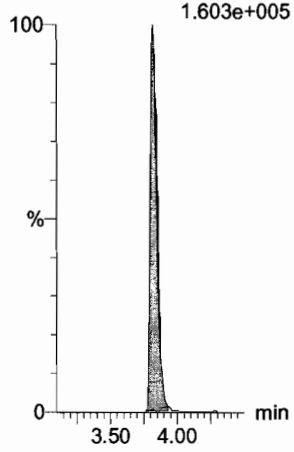
13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
8.823e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
9.231e+005



13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
1.603e+005

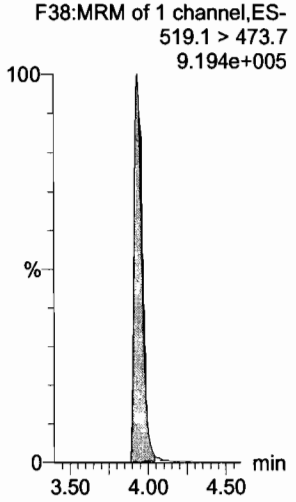


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

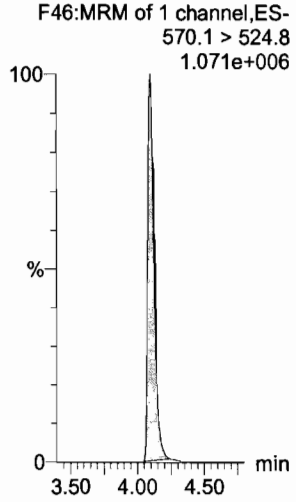
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_9, Date: 16-Oct-2017, Time: 15:03:05, ID: ST171016M4-8 PFC CS5 17J1612, Description: PFC CS5 17J1612

13C6-PFDA



13C7-PFUnA

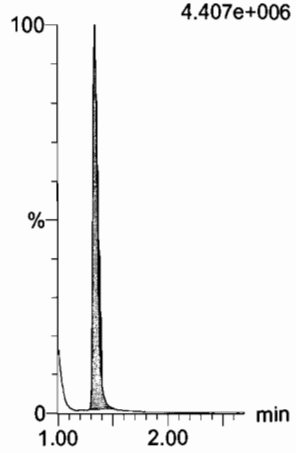


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

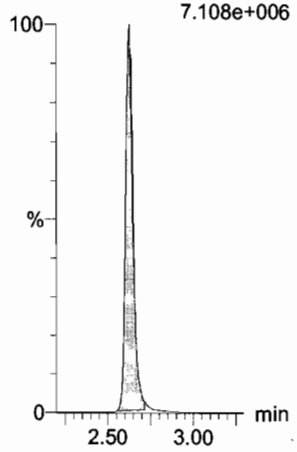
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_10, Date: 16-Oct-2017, Time: 15:13:43, ID: ST171016M4-9 PFC CS6 17J1613, Description: PFC CS6 17J1613

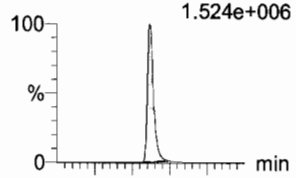
PFBA

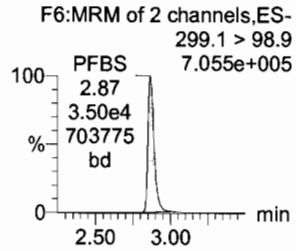


PFPeA

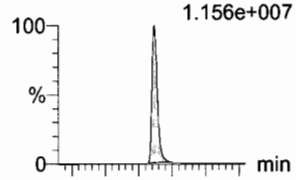


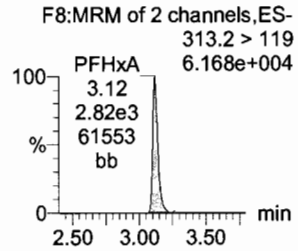
PFBS



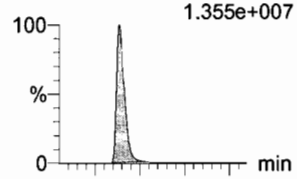


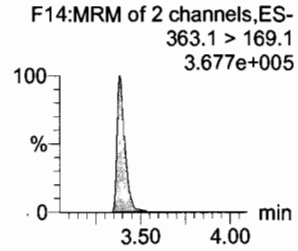
PFHxA



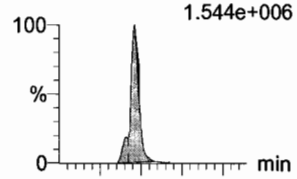


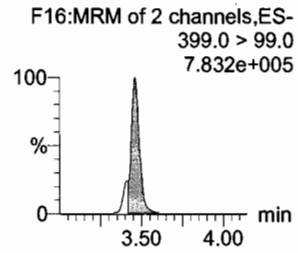
PFHpA



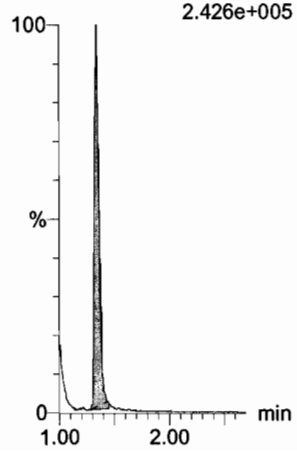


L-PFHxS

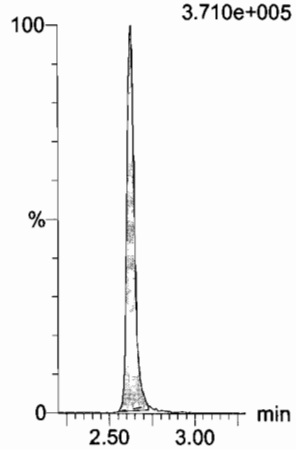




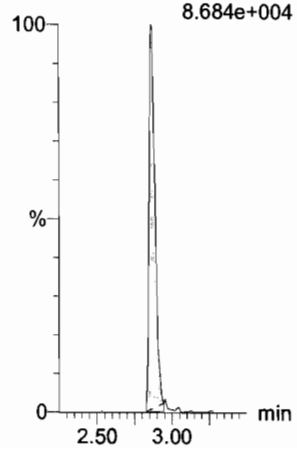
13C3-PFBA



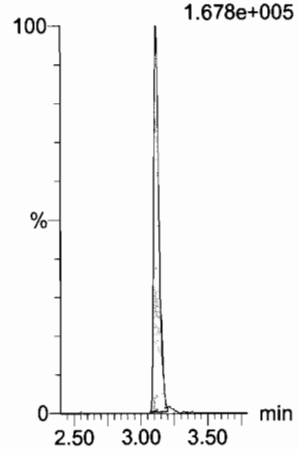
13C3-PFPeA



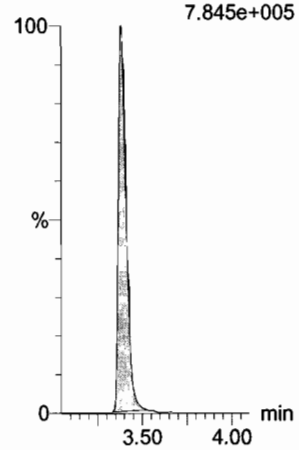
13C3-PFBS



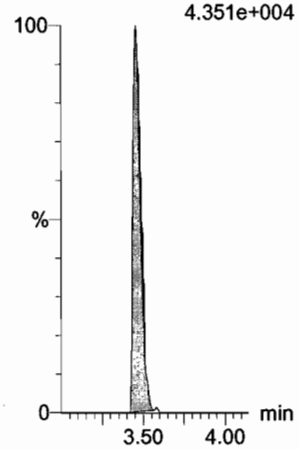
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

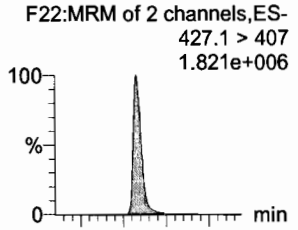


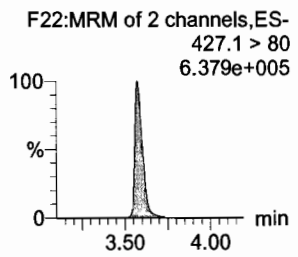
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

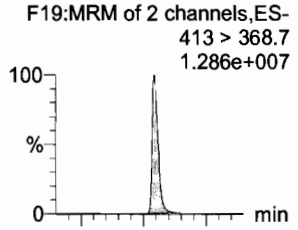
Name: 171016M4_10, Date: 16-Oct-2017, Time: 15:13:43, ID: ST171016M4-9 PFC CS6 17J1613, Description: PFC CS6 17J1613

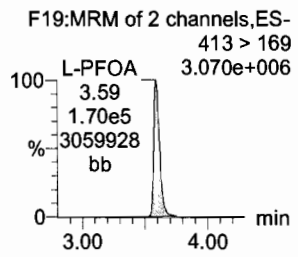
6:2 FTS



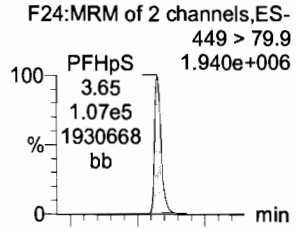


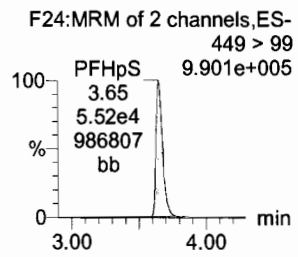
L-PFOA



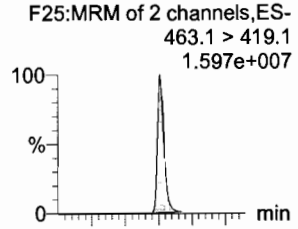


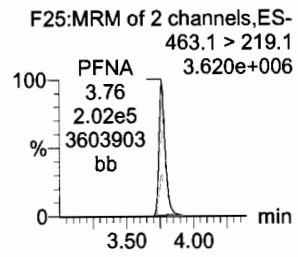
PFHpS



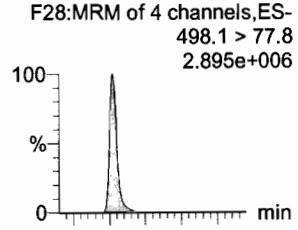


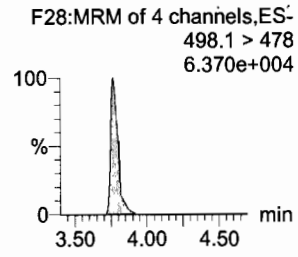
PFNA



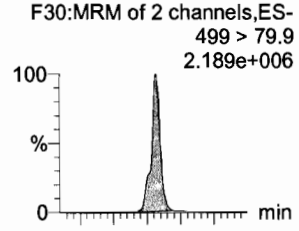


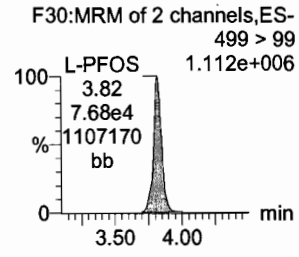
PFOSA



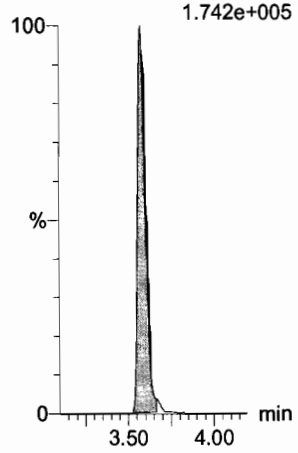


L-PFOS

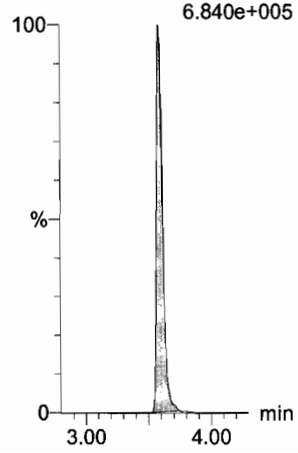




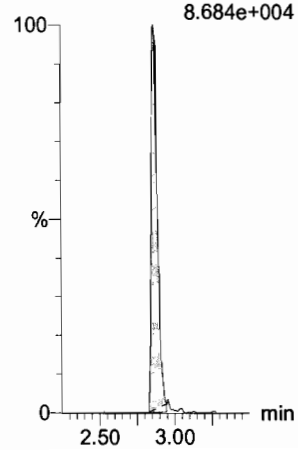
13C2-6:2 FTS



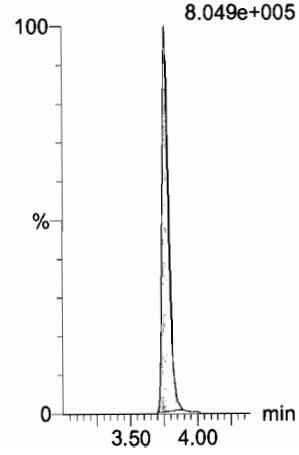
13C2-PFOA



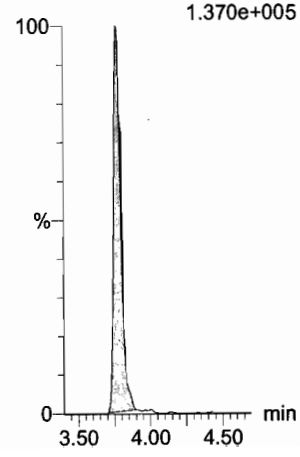
13C3-PFBS



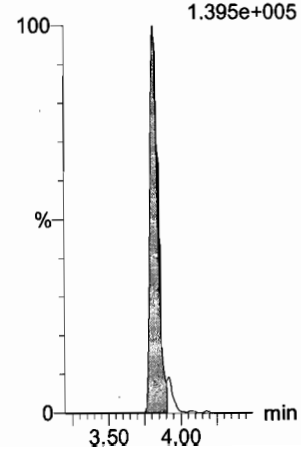
13C5-PFNA



13C8-PFOSA



13C8-PFOS

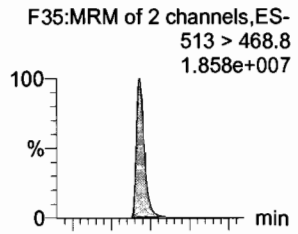


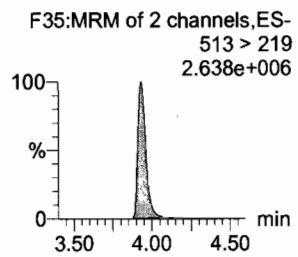
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

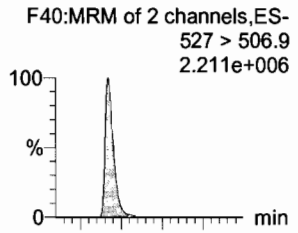
Name: 171016M4_10, Date: 16-Oct-2017, Time: 15:13:43, ID: ST171016M4-9 PFC CS6 17J1613, Description: PFC CS6 17J1613

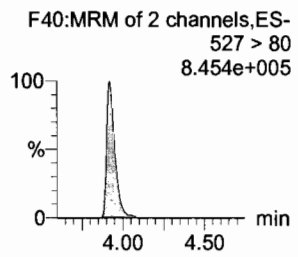
PFDA



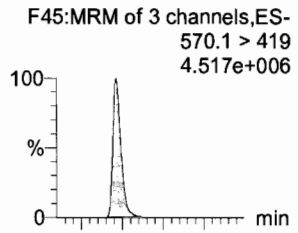


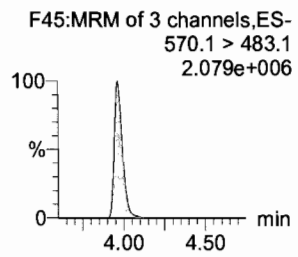
8:2 FTS



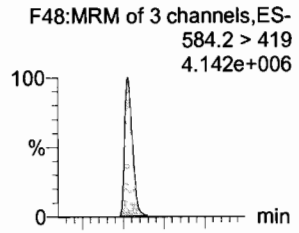


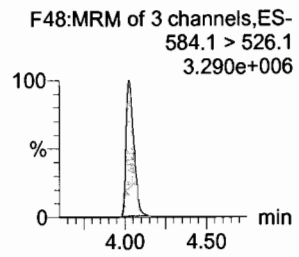
N-MeFOSAA



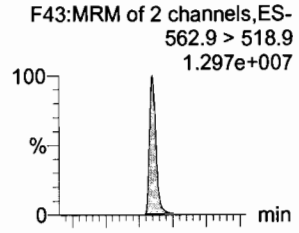


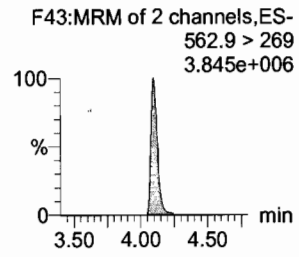
N-EtFOSAA



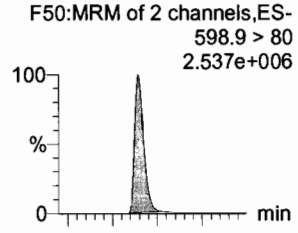


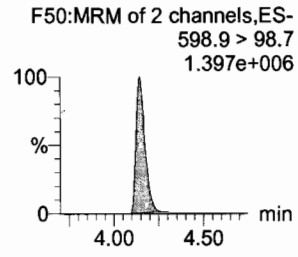
PFUnA



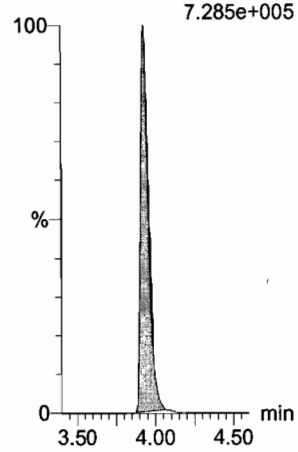


PFDS

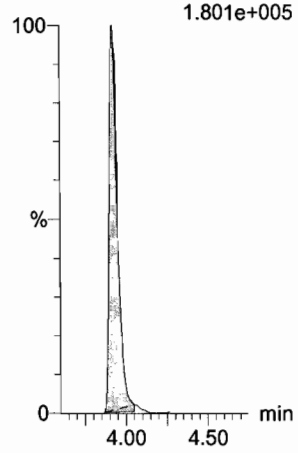




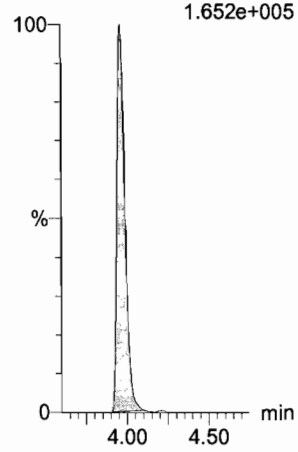
13C2-PFDA



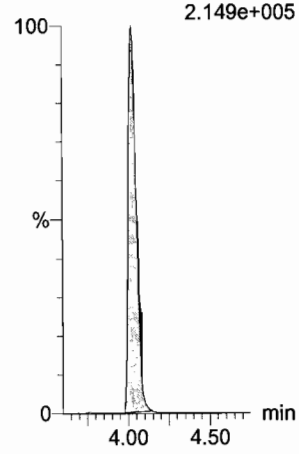
13C2-8:2 FTS



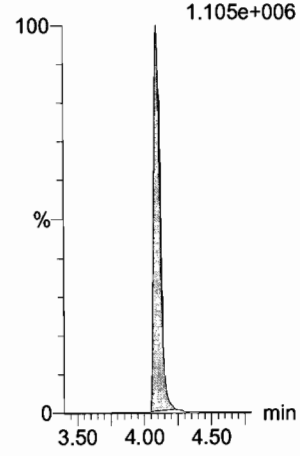
d3-N-MeFOSAA



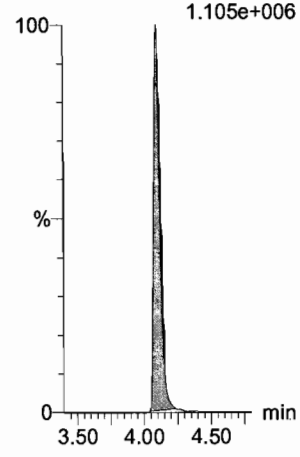
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

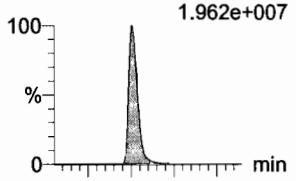


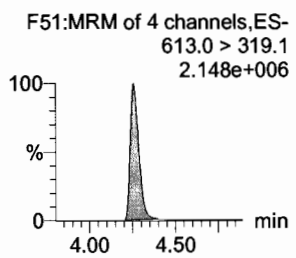
Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

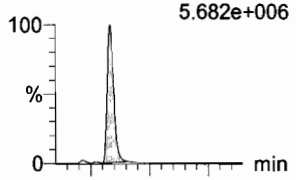
Name: 171016M4_10, Date: 16-Oct-2017, Time: 15:13:43, ID: ST171016M4-9 PFC CS6 17J1613, Description: PFC CS6 17J1613

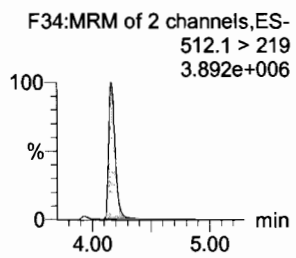
PFDoA



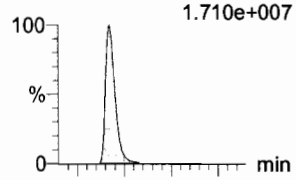


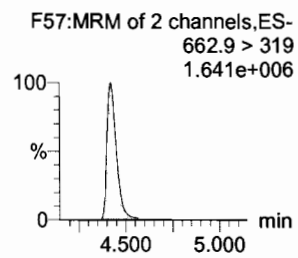
N-MeFOSA



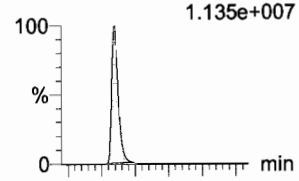


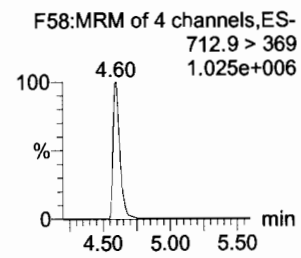
PFTrDA



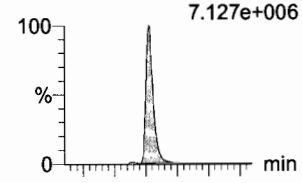


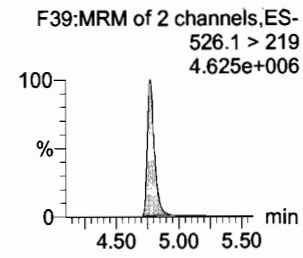
PFTeDA



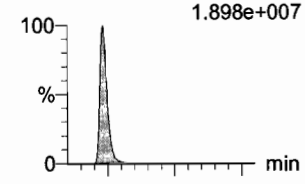


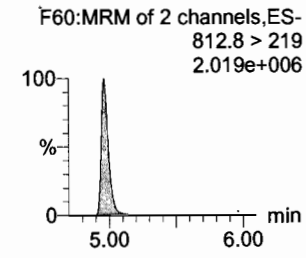
N-EtFOSA



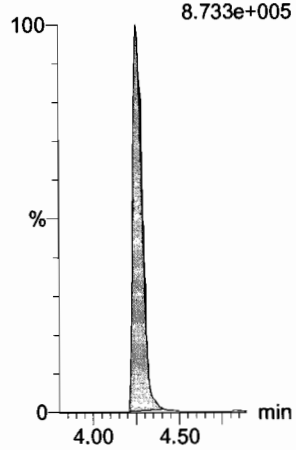


PFHxDA

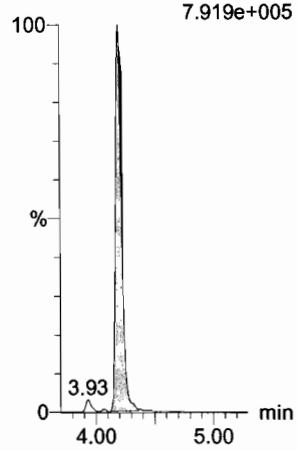




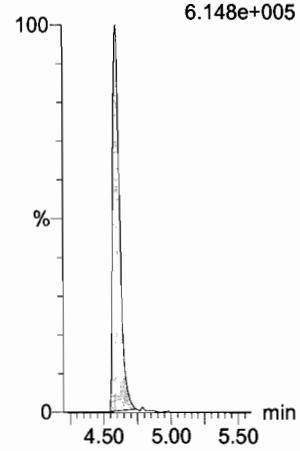
13C2-PFDoA



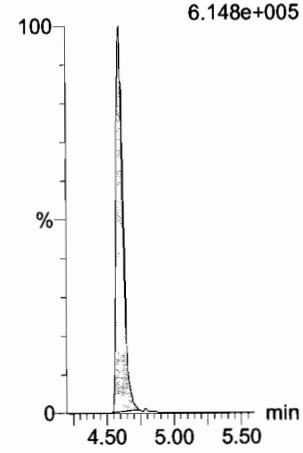
d3-N-MeFOSA



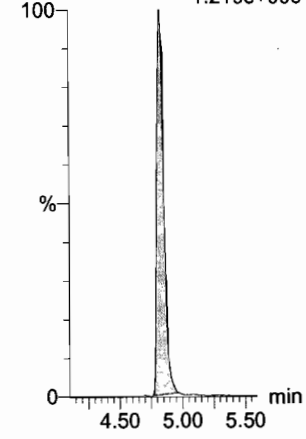
13C2-PFTeDA



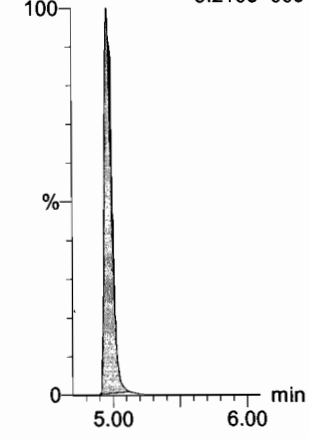
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

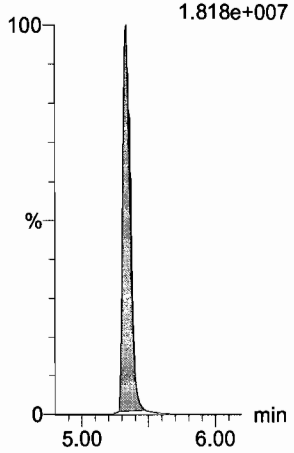


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

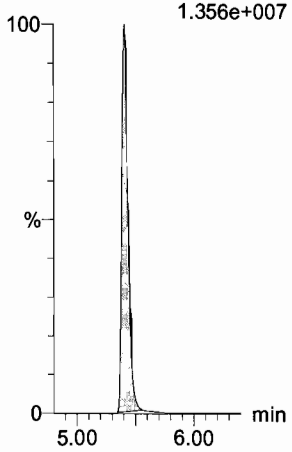
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_10, Date: 16-Oct-2017, Time: 15:13:43, ID: ST171016M4-9 PFC CS6 17J1613, Description: PFC CS6 17J1613

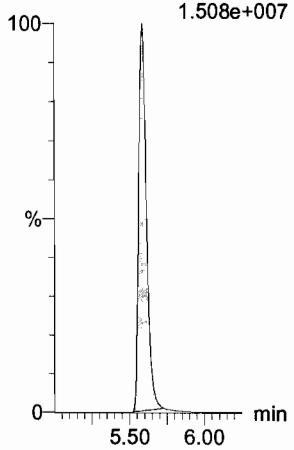
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
1.818e+007



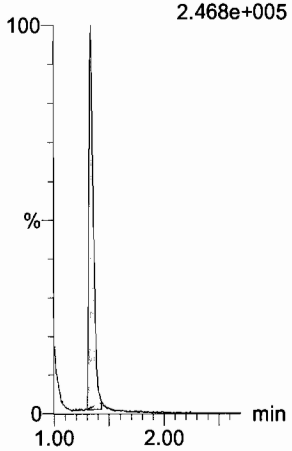
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
1.356e+007



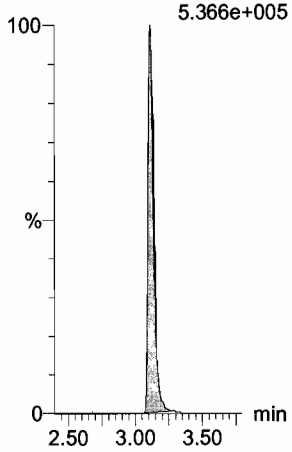
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
1.508e+007



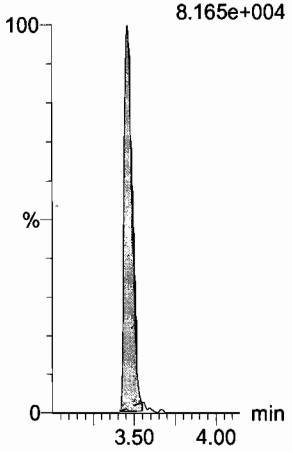
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
2.468e+005



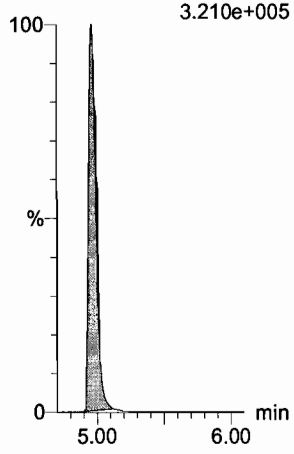
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
5.366e+005



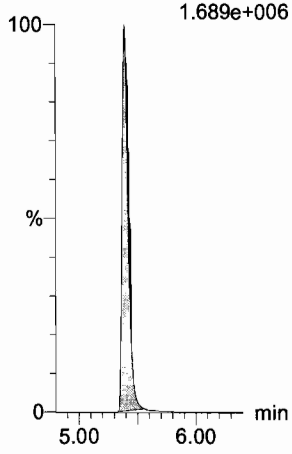
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
8.165e+004



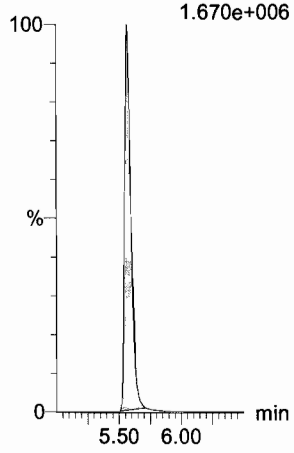
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.210e+005



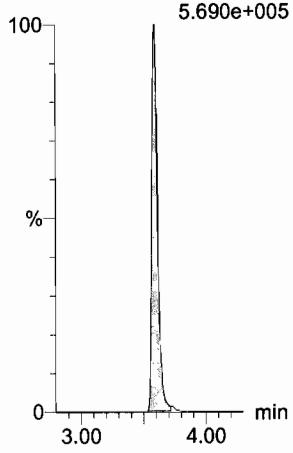
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.689e+006



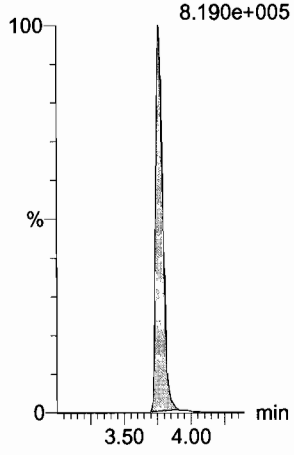
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.670e+006



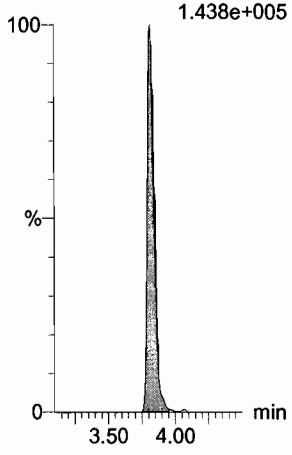
13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
5.690e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
8.190e+005



13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
1.438e+005

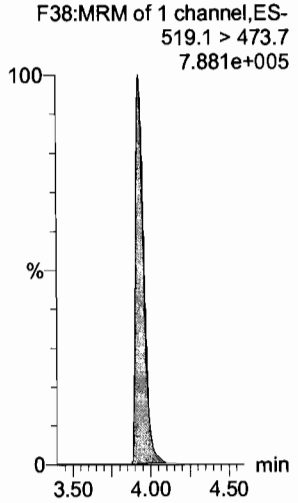


Dataset: U:\Q4.PRO\results\171016M4\171016M4-CRV.qld

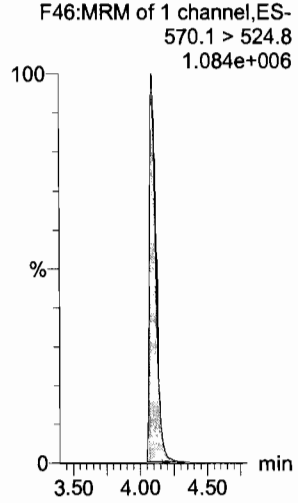
Last Altered: Tuesday, October 17, 2017 11:14:24 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:15:29 Pacific Daylight Time

Name: 171016M4_10, Date: 16-Oct-2017, Time: 15:13:43, ID: ST171016M4-9 PFC CS6 17J1613, Description: PFC CS6 17J1613

13C6-PFDA



13C7-PFUnA



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171016M4\171016M4-13.qld

Last Altered: Tuesday, October 17, 2017 11:39:28 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:39:34 Pacific Daylight Time

(A) Not present in ICV.

Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_13, Date: 16-Oct-2017, Time: 15:45:39, ID: ICV171016M4-1 PFC ICV 17J1615, Description: PFC ICV 17J1615

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.1 > 169.1	1.00e4	1.06e4		1.32	1.34	11.8	11.3	113.1
2	2	PFPeA	263.1 > 219.1	1.76e4	1.89e4		2.61	2.63	11.6	11.9	119.2
3	3	PFBS	299.1 > 79.9	3.38e3	4.23e3		3.09	2.87	10.0	10.6	106.5
4	4	PFHxA	313.2 > 268.9	2.93e4	8.10e3		3.31	3.12	18.1	12.4	123.7
5	5	PFHpA	363.1 > 319.1	3.98e4	4.41e4		3.56	3.39	11.3	12.2	122.3
6	6	L-PFHxS	399.0 > 80.0	4.53e3	2.70e3		3.63	3.46	20.9	8.69	86.9
7	8	6:2 FTS	427.1 > 407	6.80e3	6.78e3		3.76	3.59	12.5	11.6	115.5
8	9	L-PFOA	413 > 368.7	4.84e4	5.03e4		3.77	3.59	12.0	12.2	121.9
9	11	PFHpS	449 > 79.9	7.35e3	5.03e4		3.83	3.65	1.83	11.2	111.7
10	12	PFNA	463.1 > 419.1	4.35e4	4.49e4		3.96	3.77	12.1	11.4	114.4
11	13	PFOSA	498.1 > 77.8	9.31e3	9.61e3		3.96	3.77	12.1	11.1	110.7
12	14	L-PFOS	499 > 79.9	8.38e3	8.44e3		3.81	3.82	12.4	12.3	122.5
13	16	PFDA	513 > 468.8	5.70e4	4.23e4		4.14	3.93	16.9	11.7	117.1
14	17	8:2 FTS	527 > 506.9	6.37e3	5.47e3		4.14	3.93	14.5	10.5	105.4
15	18	N-MeFOSAA	570.1 > 419	1.37e4	9.64e3		4.17	3.97	231	11.7	117.0
16	19	N-EtFOSAA	584.2 > 419	1.16e4	1.11e4		4.23	4.03	171	12.4	123.8
17	20	PFUnA	562.9 > 518.9	3.42e4	5.27e4		4.31	4.10	8.10	11.3	112.7
18	21	PFDS	598.9 > 80	7.55e3	5.27e4		4.36	4.15	1.79	10.7	107.4
19	22	PFDoA	613.0 > 569.1	4.97e4	4.82e4		4.49	4.26	12.9	12.1	120.9
20	23	N-MeFOSA	512.1 > 168.9		4.49e4		4.16				(A)
21	24	PFTrDA	662.9 > 618.9	4.97e4	4.82e4		4.68	4.42	12.9	12.8	127.6
22	25	PFTeDA	712.9 > 668.8	3.17e4	3.41e4		4.60	4.60	11.6	11.5	115.2
23	26	N-EtFOSA	526.1 > 168.9		6.73e4		5.13				(A)
24	27	PFHxDA	812.8 > 768.9		1.74e4		5.28				
25	28	PFODA	912.8 > 868.8		1.74e4		5.67				
26	29	N-MeFOSE	616.1 > 58.9		8.84e4		5.43				
27	30	N-EtFOSE	630.1 > 58.9		8.74e4		5.60				
28	31	13C3-PFBA	216.1 > 172.1	1.06e4	1.11e4	0.956	1.32	1.34	12.0	12.5	100.2
29	32	13C3-PFPeA	266.1 > 222.1	1.89e4	2.74e4	0.288	2.91	2.63	3.46	12.0	95.8
30	33	13C3-PFBS	302.1 > 79.9	4.23e3	2.74e4	0.065	3.09	2.87	0.772	11.8	94.5
31	34	13C2-PFHxA	315 > 269.8	8.10e3	2.74e4	0.297	3.31	3.12	1.48	4.99	99.7

70-130

50-150

lm 10/17/17

JAC 10/17/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-13.qld

Last Altered: Tuesday, October 17, 2017 11:39:28 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:39:34 Pacific Daylight Time

Name: 171016M4_13, Date: 16-Oct-2017, Time: 15:45:39, ID: ICV171016M4-1 PFC ICV 17J1615, Description: PFC ICV 17J1615

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C4-PFHpA	367 > 322.1	4.41e4	2.74e4	0.641	3.56	3.39	8.05	12.6	100.4
33	36	18O2-PFHxS	403 > 103.0	2.70e3	4.81e3	0.519	3.63	3.46	7.04	13.6	108.4
34	37	13C2-6:2 FTS	429.1 > 408.9	6.78e3	4.35e4	0.177	3.76	3.58	1.95	11.0	87.9
35	38	13C2-PFOA	414.9 > 369.7	5.03e4	4.35e4	1.147	3.77	3.59	14.4	12.6	100.7
36	39	13C5-PFNA	468.1 > 423.1	4.49e4	4.86e4	0.939	3.96	3.77	11.6	12.3	98.5
37	40	13C8-PFOSA	506.1 > 78.0	9.61e3	5.36e4	0.177	3.96	3.77	2.24	12.7	101.2
38	41	13C8-PFOS	507 > 79.9	8.44e3	8.89e3	1.067	3.81	3.82	11.9	11.1	88.9
39	42	13C2-PFDA	515.1 > 469.9	4.23e4	4.79e4	0.835	4.14	3.93	11.0	13.2	105.8
40	43	13C2-8:2 FTS	529.1 > 508.7	5.47e3	4.79e4	0.118	4.14	3.93	1.43	12.2	97.3
41	44	d3-N-MeFOSAA	573.3 > 419	9.64e3	5.36e4	0.013	4.17	3.96	2.25	170	104.9
42	45	d5-N-EtFOSAA	589.3 > 419	1.11e4	5.36e4	0.015	4.23	4.03	2.58	168	103.4
43	46	13C2-PFUnA	565 > 519.8	5.27e4	5.36e4	1.017	4.31	4.10	12.3	12.1	96.8
44	47	13C2-PFDoA	615.1 > 570.1	4.82e4	5.36e4	0.984	4.49	4.26	11.2	11.4	91.3
45	48	d3-N-MeFOSA	515.2 > 168.9	4.49e4	5.36e4	0.069	4.16	4.20	10.5	151	100.5
46	49	13C2-PFTeDA	714.8 > 669.6	3.41e4	5.36e4	0.618	4.88	4.60	7.96	12.9	103.1
47	50	d5-N-ETFOSA	531.1 > 168.9	6.73e4	5.36e4	0.108	5.13	4.83	15.7	145	96.8
48	51	13C2-PFHxDA	815 > 769.7	1.74e4	5.36e4	0.797	5.28	4.96	4.05	5.09	101.8
49	52	d7-N-MeFOSE	623.1 > 58.9	8.84e4	5.36e4	0.139	5.43	5.40	20.6	149	99.2
50	53	d9-N-EtFOSE	639.2 > 58.8	8.74e4	5.36e4	0.135	5.60	5.57	20.4	151	100.4
51	54	13C4-PFBA	217.1 > 172.1	1.11e4	1.11e4	1.000	1.32	1.34	12.5	12.5	100.0
52	55	13C5-PFHxA	318 > 272.9	2.74e4	2.74e4	1.000	3.31	3.12	5.00	5.00	100.0
53	56	13C3-PFHxS	402.1 > 80.0	4.81e3	4.81e3	1.000	3.63	3.46	12.5	12.5	100.0
54	57	13C8-PFOA	421.3 > 376	4.35e4	4.35e4	1.000	3.77	3.59	12.5	12.5	100.0
55	58	13C9-PFNA	472.1 > 427.1	4.86e4	4.86e4	1.000	3.96	3.77	12.5	12.5	100.0
56	59	13C4-PFOS	503 > 79.9	8.89e3	8.89e3	1.000	3.81	3.82	12.5	12.5	100.0
57	60	13C6-PFDA	519.1 > 473.7	4.79e4	4.79e4	1.000	4.14	3.93	12.5	12.5	100.0
58	61	13C7-PFUnA	570.1 > 524.8	5.36e4	5.36e4	1.000	4.31	4.10	12.5	12.5	100.0

50-130

Vista Analytical Laboratory

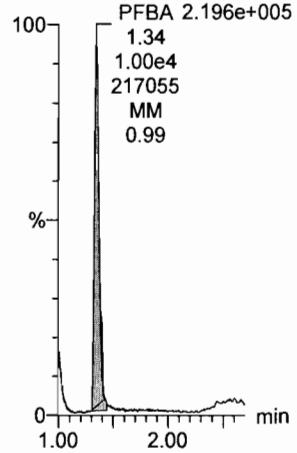
Dataset: U:\Q4.PRO\results\171016M4\171016M4-13.qld

Last Altered: Tuesday, October 17, 2017 11:39:28 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:39:34 Pacific Daylight Time

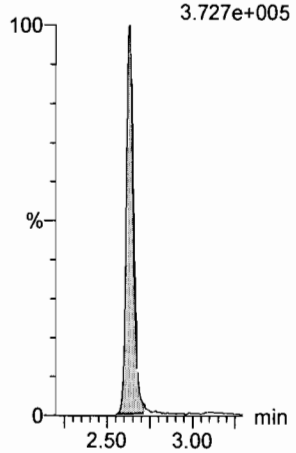
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_13, Date: 16-Oct-2017, Time: 15:45:39, ID: ICV171016M4-1 PFC ICV 17J1615, Description: PFC ICV 17J1615

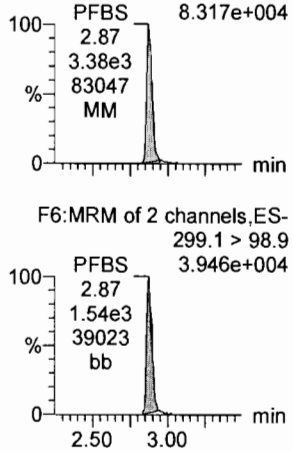
PFBA



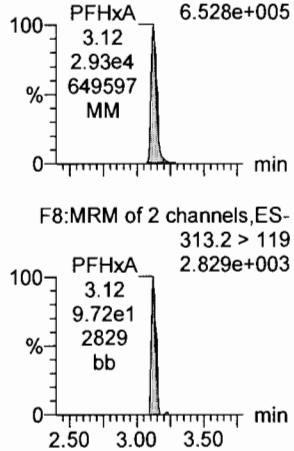
PFPeA



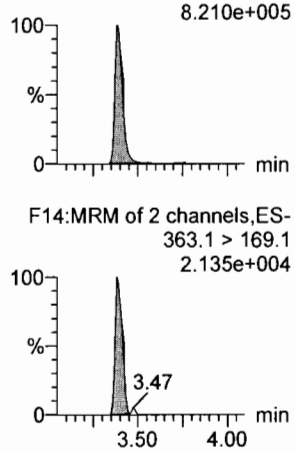
PFBS



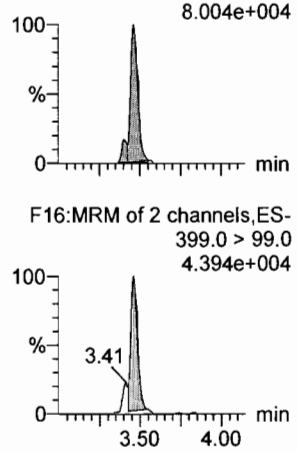
PFHxA



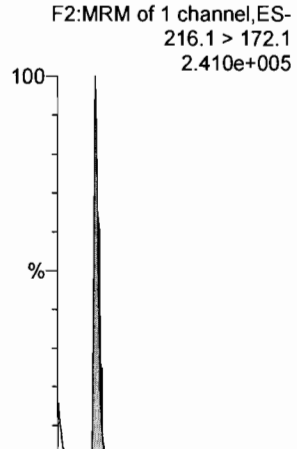
PFHpA



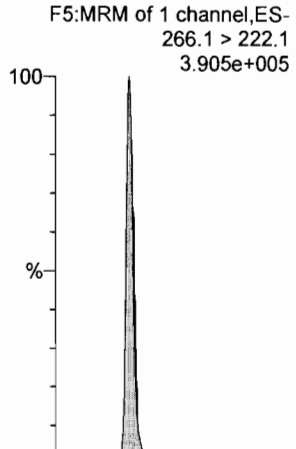
L-PFHxS



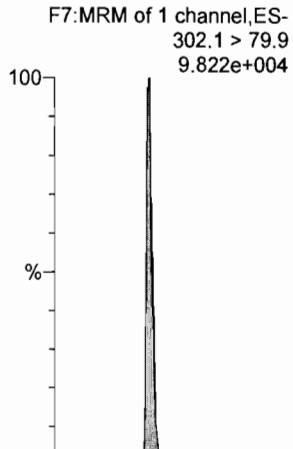
13C3-PFBA



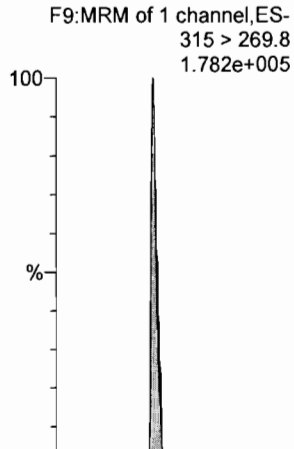
13C3-PFPeA



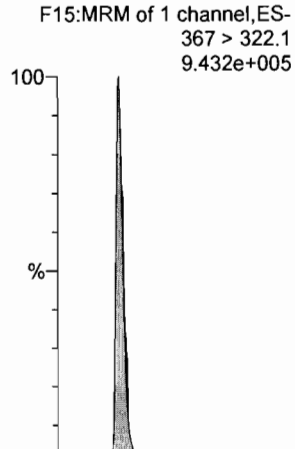
13C3-PFBS



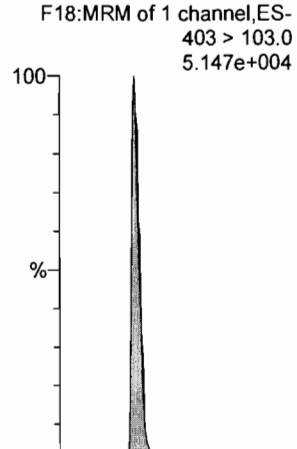
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

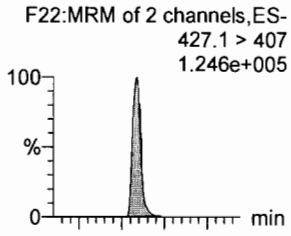


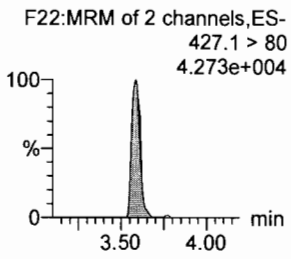
Dataset: U:\Q4.PRO\results\171016M4\171016M4-13.qld

Last Altered: Tuesday, October 17, 2017 11:39:28 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:39:34 Pacific Daylight Time

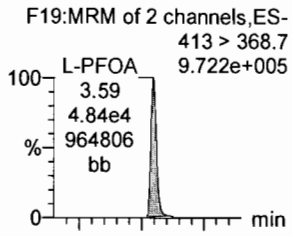
Name: 171016M4_13, Date: 16-Oct-2017, Time: 15:45:39, ID: ICV171016M4-1 PFC ICV 17J1615, Description: PFC ICV 17J1615

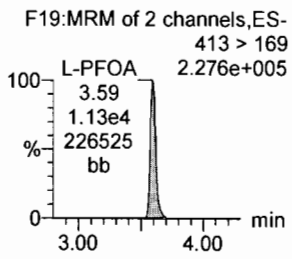
6:2 FTS



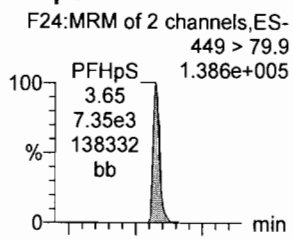


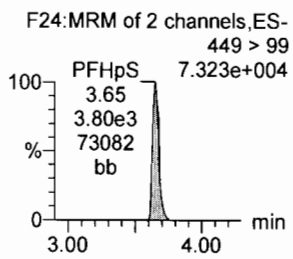
L-PFOA



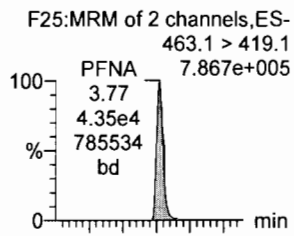


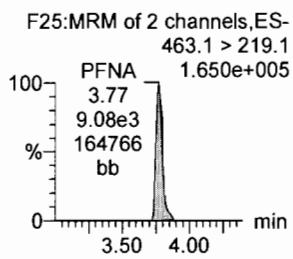
PFHpS



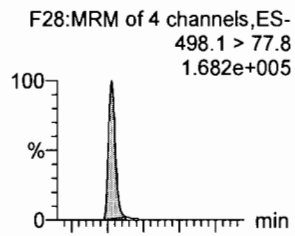


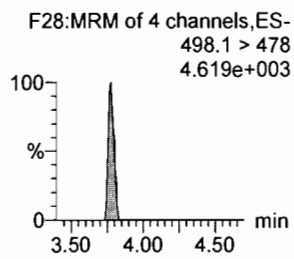
PFNA



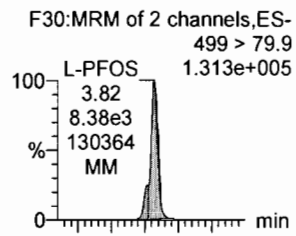


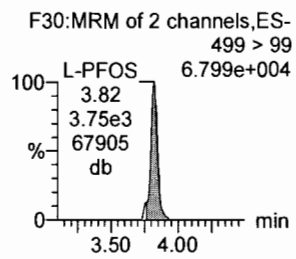
PFOSA



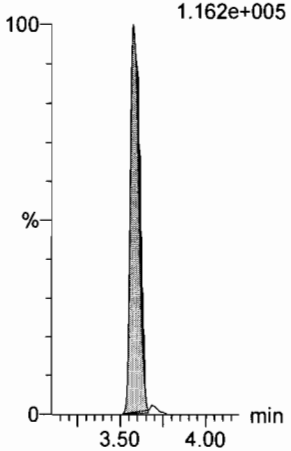


L-PFOS

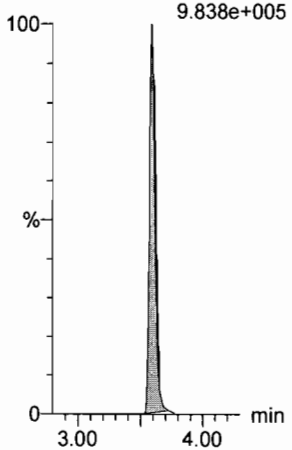




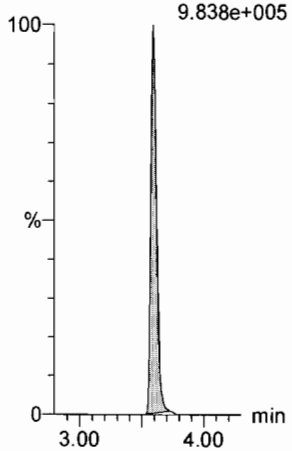
13C2-6:2 FTS



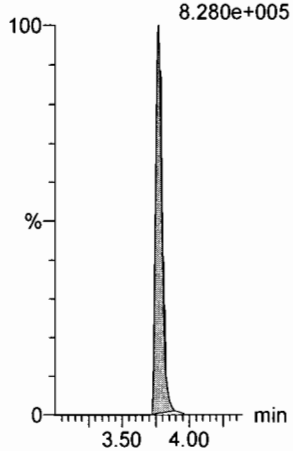
13C2-PFOA



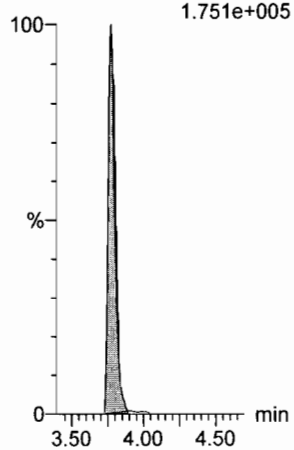
13C2-PFOA



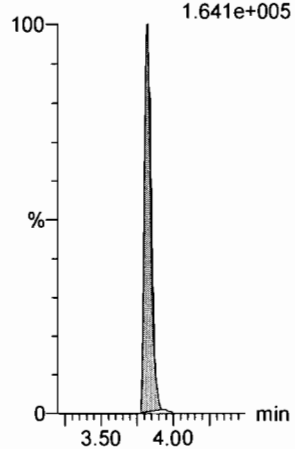
13C5-PFNA



13C8-PFOSA



13C8-PFOS

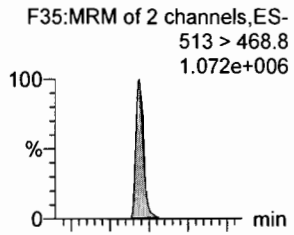


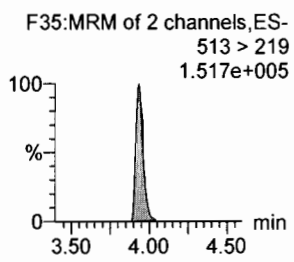
Dataset: U:\Q4.PRO\results\171016M4\171016M4-13.qld

Last Altered: Tuesday, October 17, 2017 11:39:28 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:39:34 Pacific Daylight Time

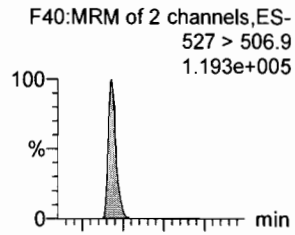
Name: 171016M4_13, Date: 16-Oct-2017, Time: 15:45:39, ID: ICV171016M4-1 PFC ICV 17J1615, Description: PFC ICV 17J1615

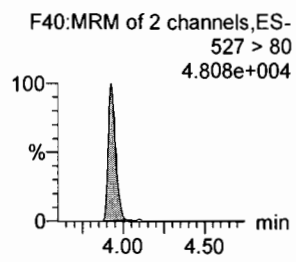
PFDA



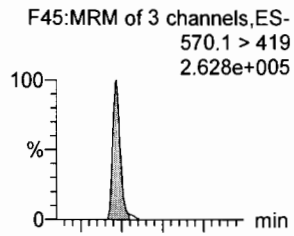


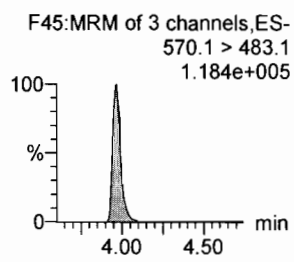
8:2 FTS



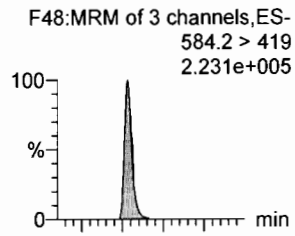


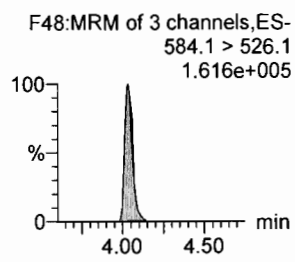
N-MeFOSAA



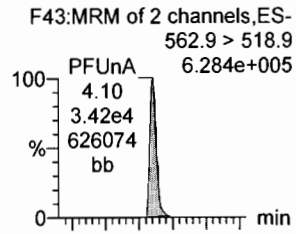


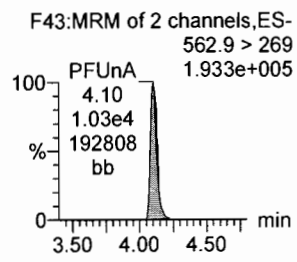
N-EtFOSAA



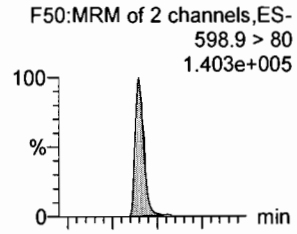


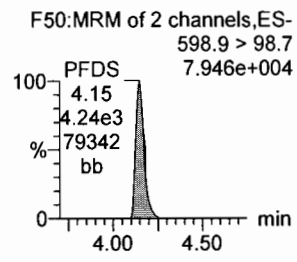
PFUnA



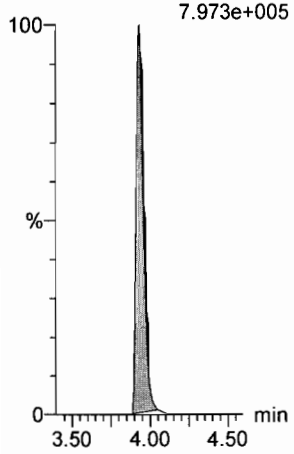


PFDS

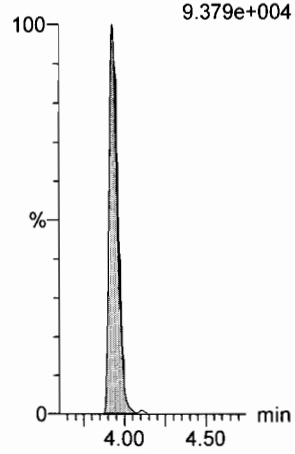




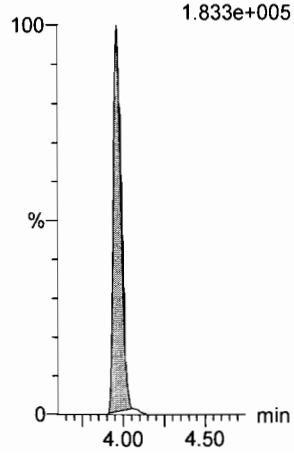
13C2-PFDA



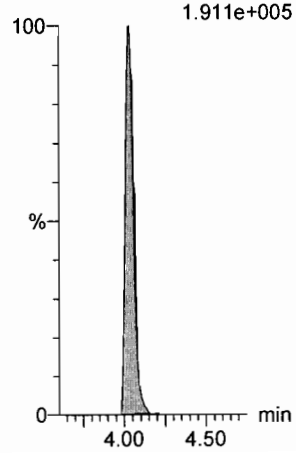
13C2-8:2 FTS



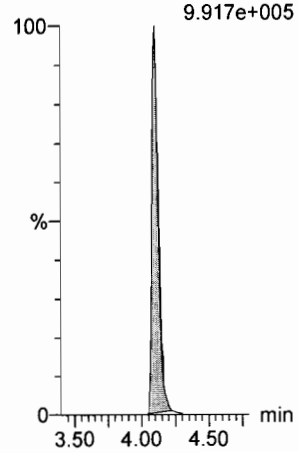
d3-N-MeFOSAA



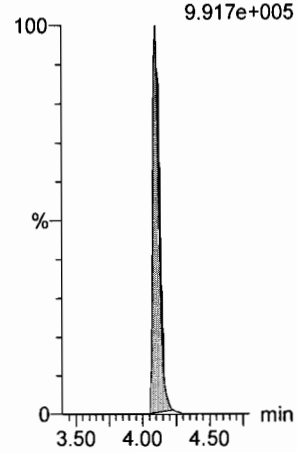
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA

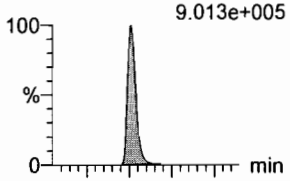


Dataset: U:\Q4.PRO\results\171016M4\171016M4-13.qld

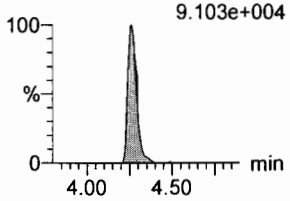
Last Altered: Tuesday, October 17, 2017 11:39:28 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:39:34 Pacific Daylight Time

Name: 171016M4_13, Date: 16-Oct-2017, Time: 15:45:39, ID: ICV171016M4-1 PFC ICV 17J1615, Description: PFC ICV 17J1615

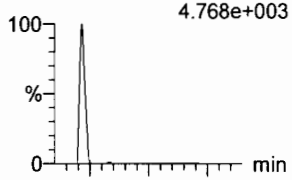
PFDoA
F51:MRM of 4 channels,ES-
613.0 > 569.1
9.013e+005



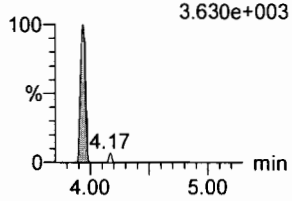
F51:MRM of 4 channels,ES-
613.0 > 319.1
9.103e+004



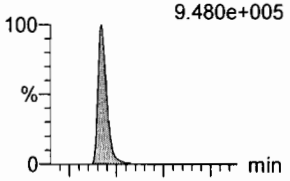
N-MeFOSA
F34:MRM of 2 channels,ES-
512.1 > 168.9
4.768e+003



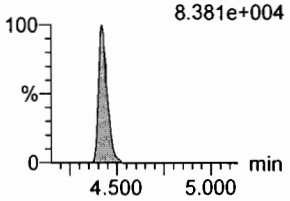
F34:MRM of 2 channels,ES-
512.1 > 219
3.630e+003



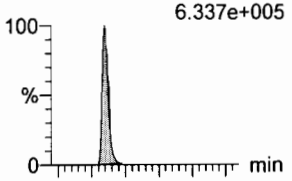
PFTrDA
F57:MRM of 2 channels,ES-
662.9 > 618.9
9.480e+005



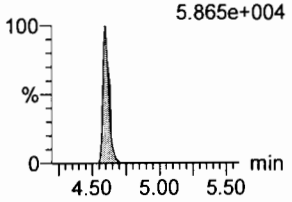
F57:MRM of 2 channels,ES-
662.9 > 319
8.381e+004



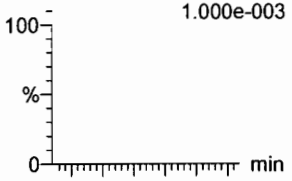
PFTeDA
F58:MRM of 4 channels,ES-
712.9 > 668.8
6.337e+005



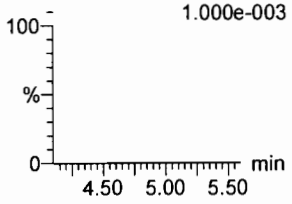
F58:MRM of 4 channels,ES-
712.9 > 369
5.865e+004



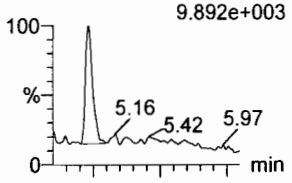
N-EtFOSA
F39:MRM of 2 channels,ES-
526.1 > 168.9
1.000e-003



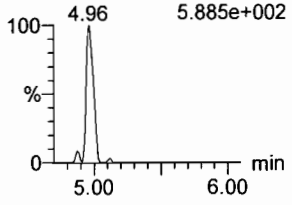
F39:MRM of 2 channels,ES-
526.1 > 219
1.000e-003



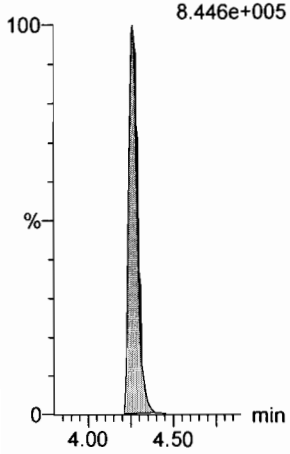
PFHxDA
F60:MRM of 2 channels,ES-
812.8 > 768.9
9.892e+003



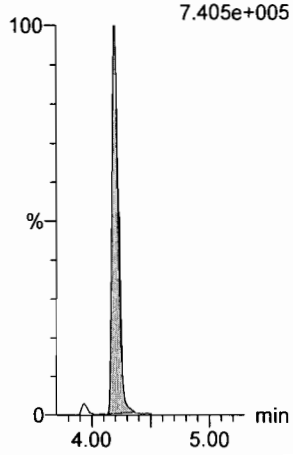
F60:MRM of 2 channels,ES-
812.8 > 219
5.885e+002



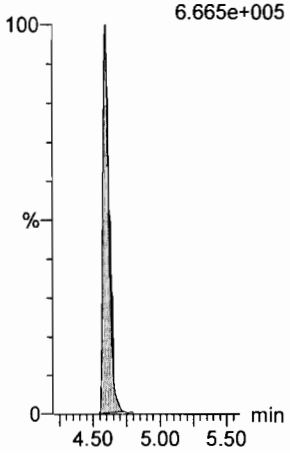
13C2-PFDoA
F52:MRM of 2 channels,ES-
615.1 > 570.1
8.446e+005



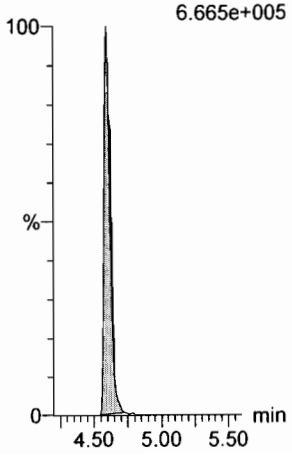
d3-N-MeFOSA
F37:MRM of 1 channel,ES-
515.2 > 168.9
7.405e+005



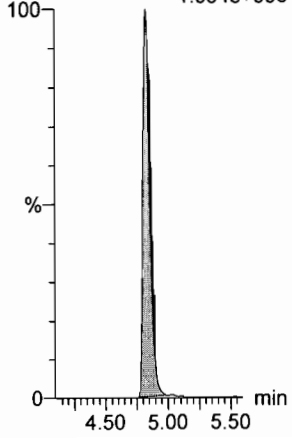
13C2-PFTeDA
F59:MRM of 2 channels,ES-
714.8 > 669.6
6.665e+005



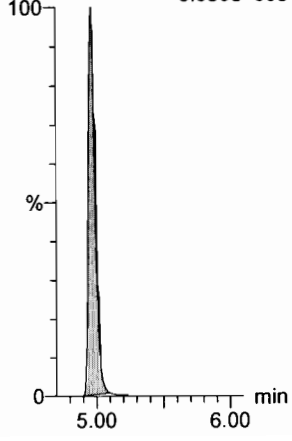
13C2-PFTeDA
F59:MRM of 2 channels,ES-
714.8 > 669.6
6.665e+005



d5-N-ETFOSA
F42:MRM of 1 channel,ES-
531.1 > 168.9
1.064e+006



13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.058e+005

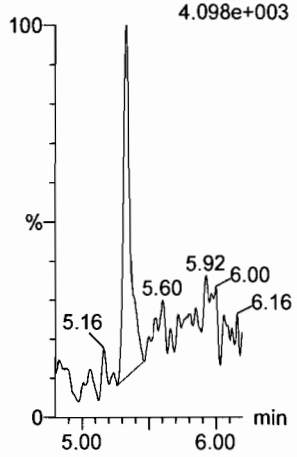


Dataset: U:\Q4.PRO\results\171016M4\171016M4-13.qld

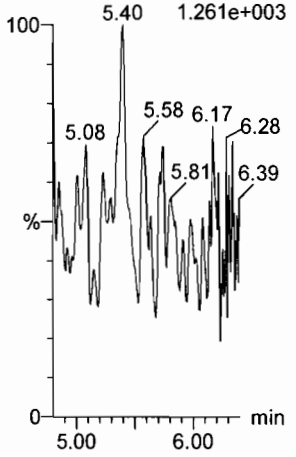
Last Altered: Tuesday, October 17, 2017 11:39:28 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:39:34 Pacific Daylight Time

Name: 171016M4_13, Date: 16-Oct-2017, Time: 15:45:39, ID: ICV171016M4-1 PFC ICV 17J1615, Description: PFC ICV 17J1615

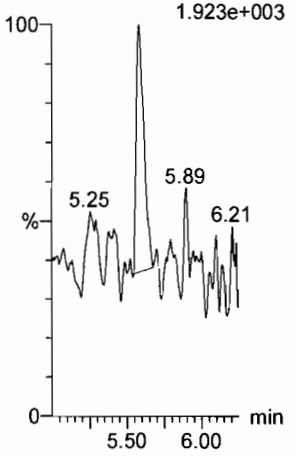
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
4.098e+003



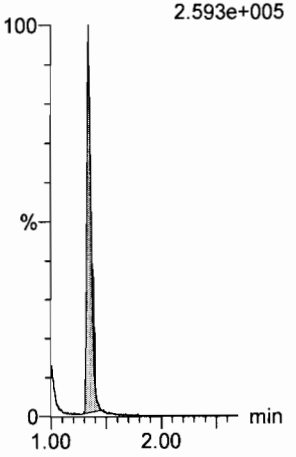
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
1.261e+003



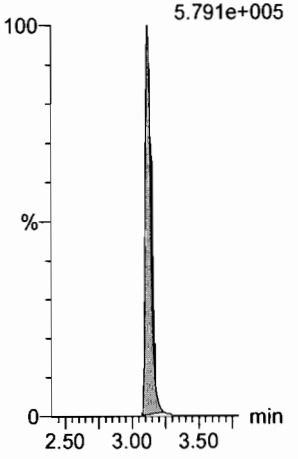
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
1.923e+003



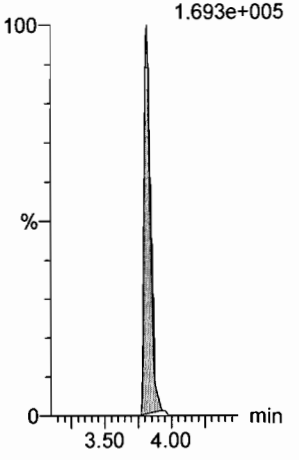
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
2.593e+005



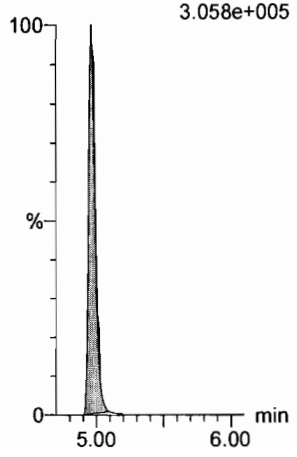
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
5.791e+005



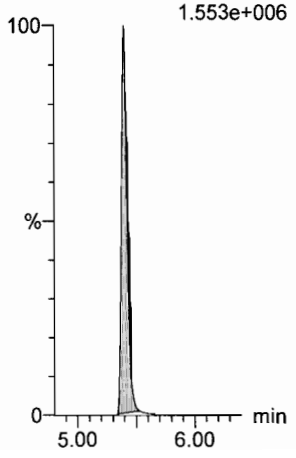
13C4-PFOS
F31:MRM of 1 channel,ES-
503 > 79.9
1.693e+005



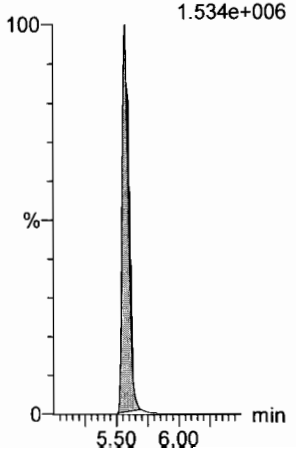
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
3.058e+005



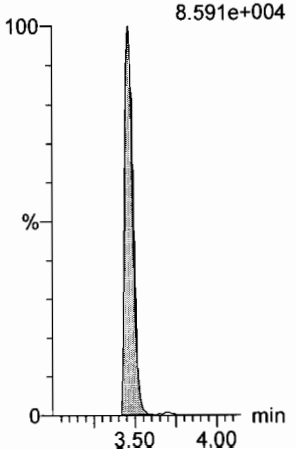
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
1.553e+006



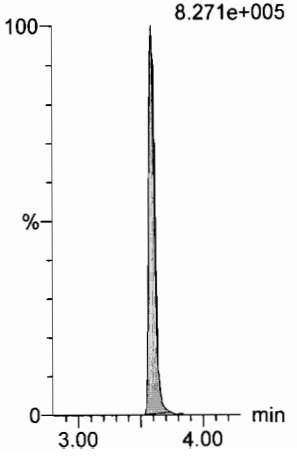
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
1.534e+006



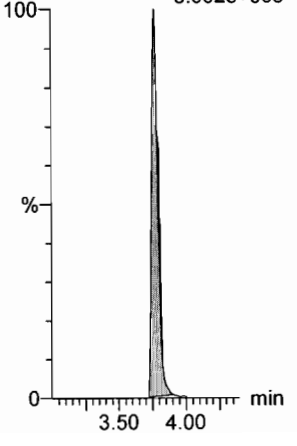
13C3-PFHxS
F17:MRM of 1 channel,ES-
402.1 > 80.0
8.591e+004



13C8-PFOA
F21:MRM of 1 channel,ES-
421.3 > 376
8.271e+005



13C9-PFNA
F27:MRM of 1 channel,ES-
472.1 > 427.1
8.992e+005

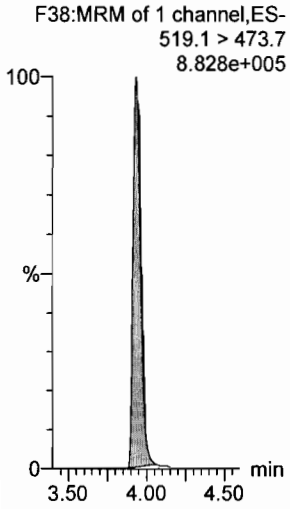


Dataset: U:\Q4.PRO\results\171016M4\171016M4-13.qld

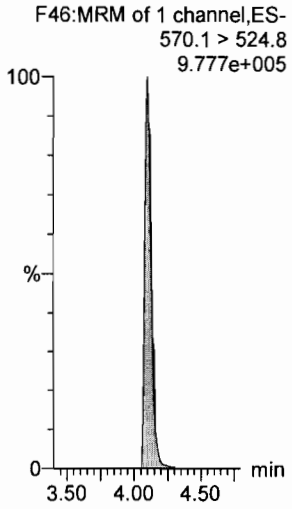
Last Altered: Tuesday, October 17, 2017 11:39:28 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 11:39:34 Pacific Daylight Time

Name: 171016M4_13, Date: 16-Oct-2017, Time: 15:45:39, ID: ICV171016M4-1 PFC ICV 17J1615, Description: PFC ICV 17J1615

13C6-PFDA



13C7-PFUnA



Vista Analytical Laboratory

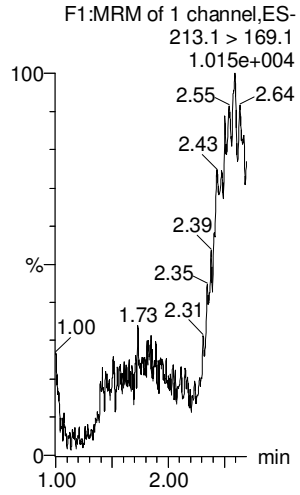
Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

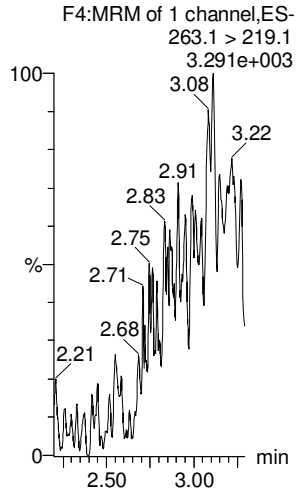
Method: U:\Q4.PRO\MethDB\PFAS_FULL_10-17-17.mdb 17 Oct 2017 11:36:26
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-16-17-FULL.cdb 17 Oct 2017 11:28:55

Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

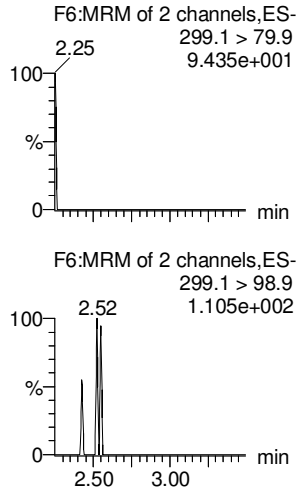
PFBA



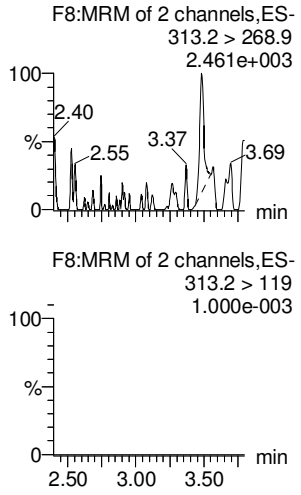
PFPeA



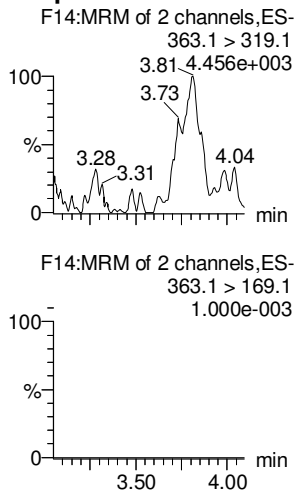
PFBS



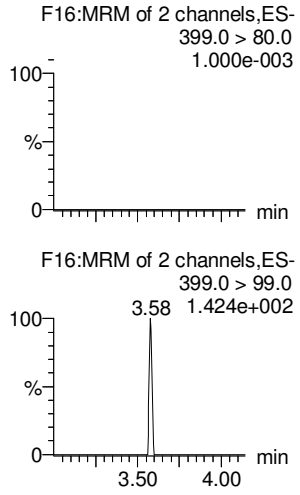
PFHxA



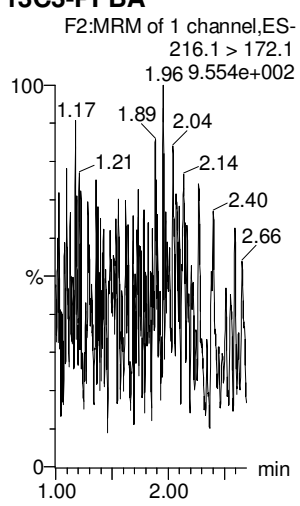
PFHpA



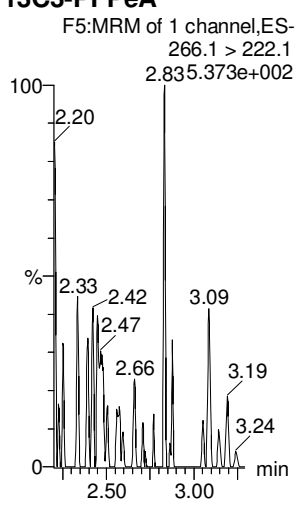
L-PFHxS



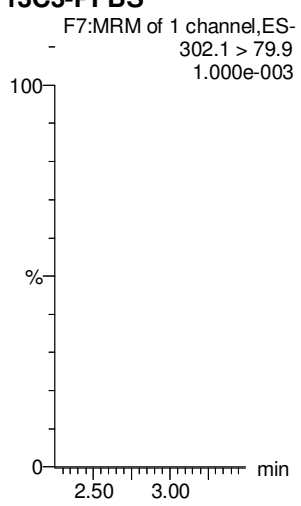
13C3-PFBA



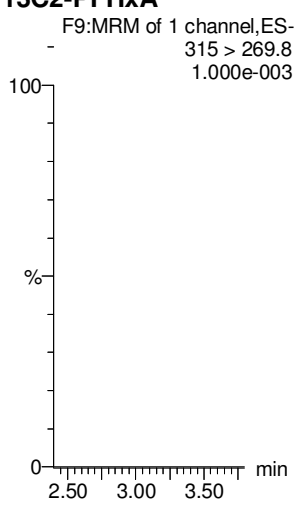
13C3-PFPeA



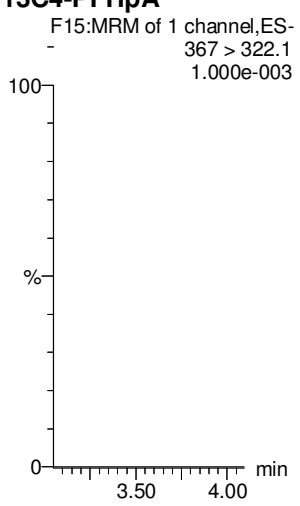
13C3-PFBS



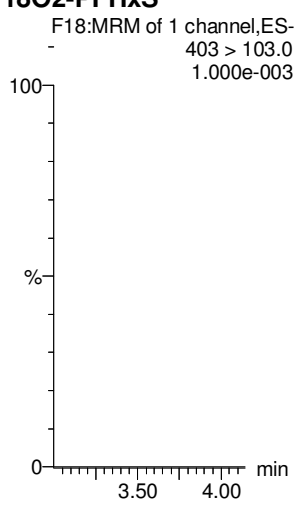
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



GM 10/17/17

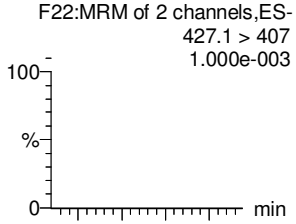
Vista Analytical Laboratory

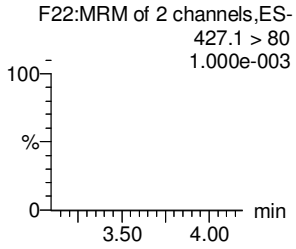
Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

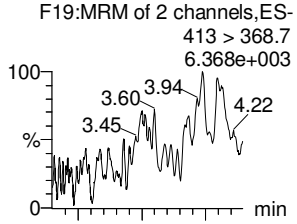
Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

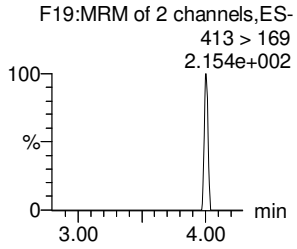
6:2 FTS



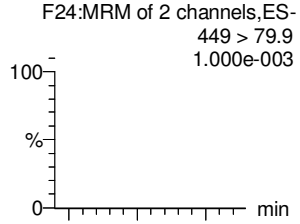


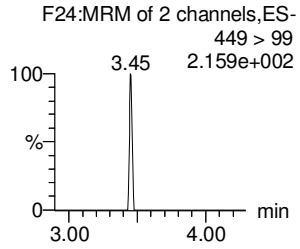
L-PFOA



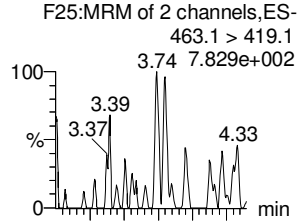


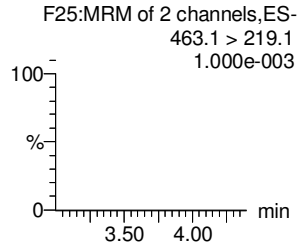
PFHpS



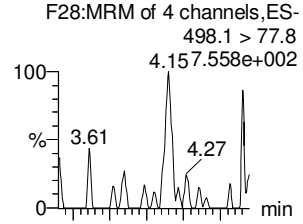


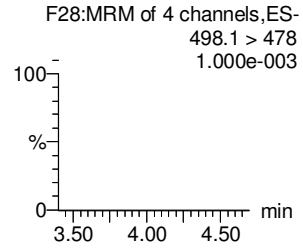
PFNA



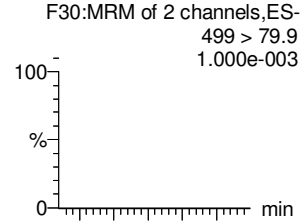


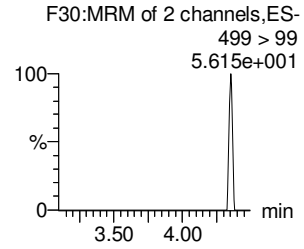
PFOSA



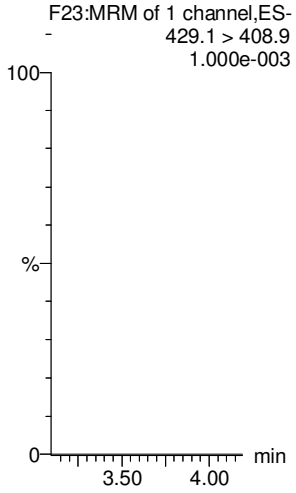


L-PFOS

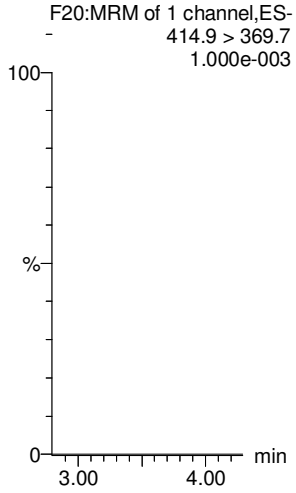




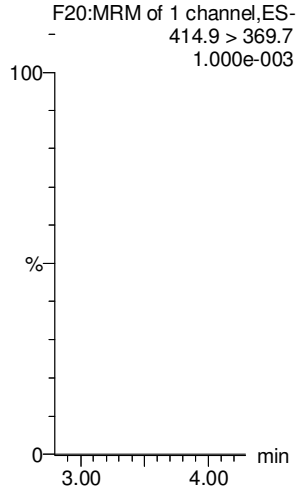
13C2-6:2 FTS



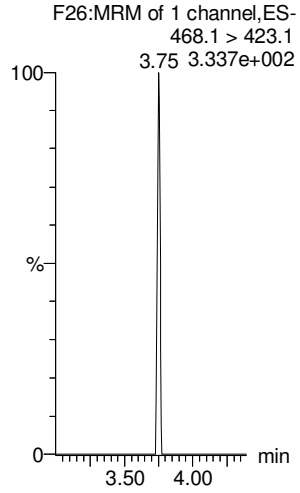
13C2-PFOA



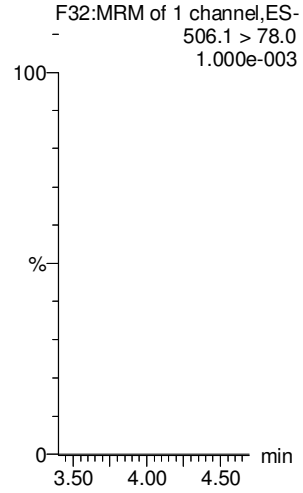
13C2-PFOA



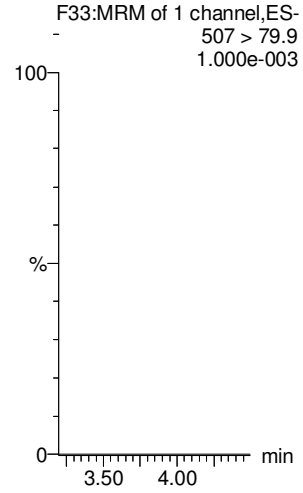
13C5-PFNA



13C8-PFOSA



13C8-PFOS



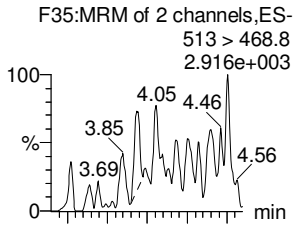
GM 10/17/17

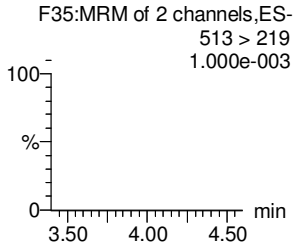
Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

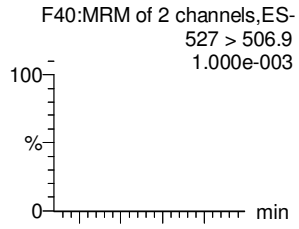
Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

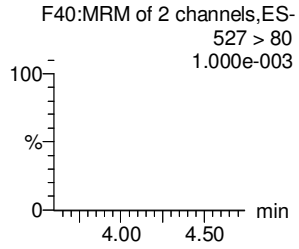
PFDA



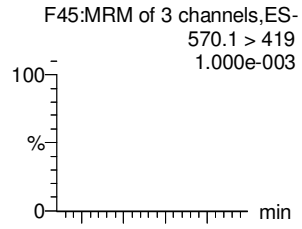


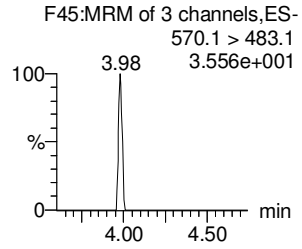
8:2 FTS



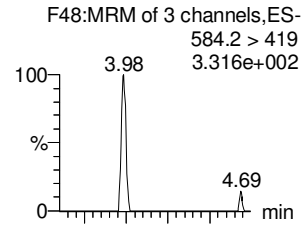


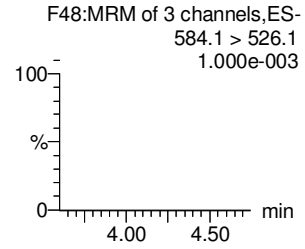
N-MeFOSAA



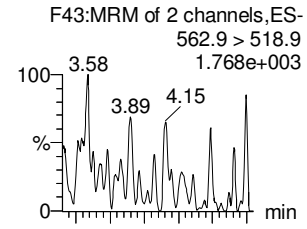


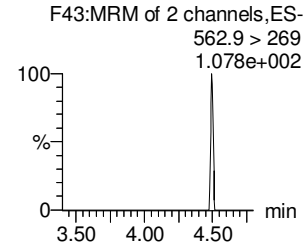
N-EtFOSAA



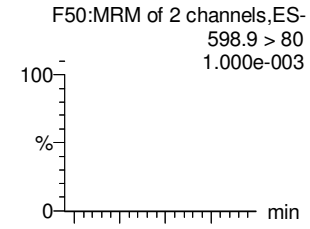


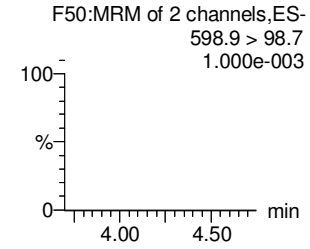
PFUnA



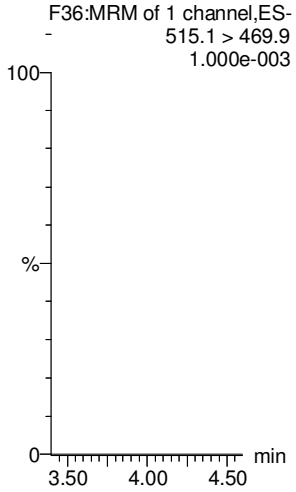


PFDS

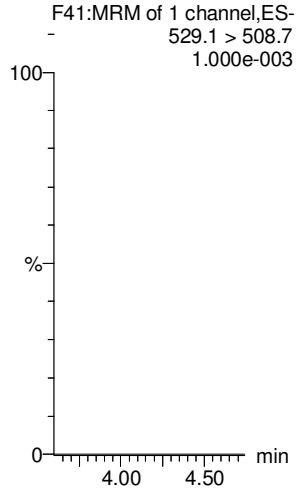




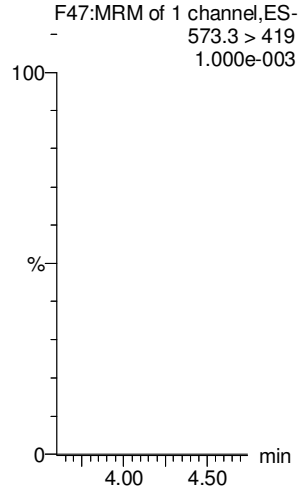
13C2-PFDA



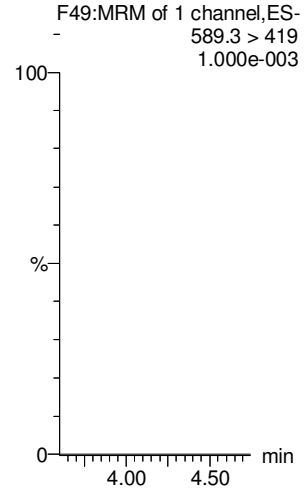
13C2-8:2 FTS



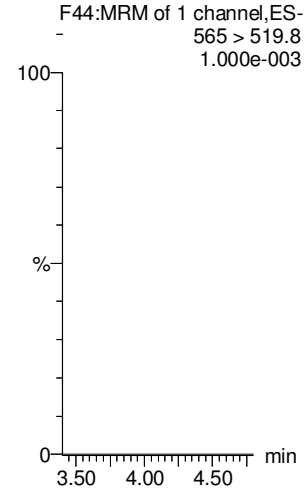
d3-N-MeFOSAA



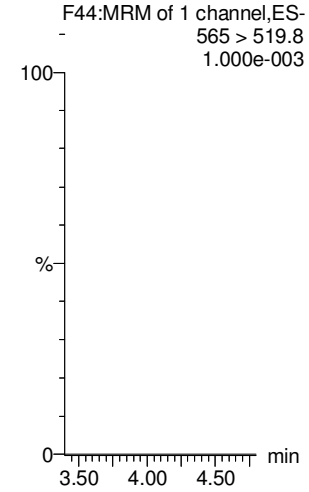
d5-N-EtFOSAA



13C2-PFUnA



13C2-PFUnA



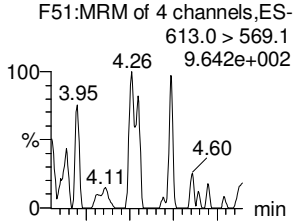
GM 10/17/17

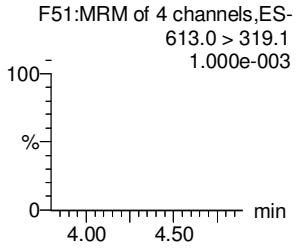
Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

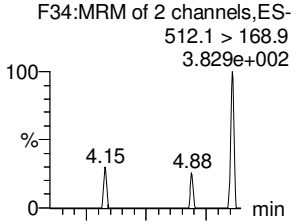
Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

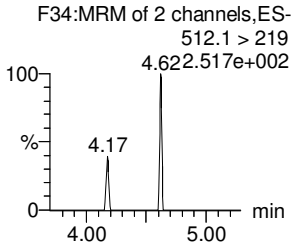
PFDoA



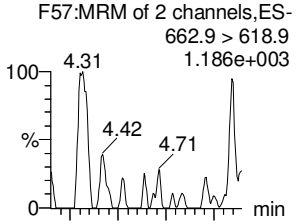


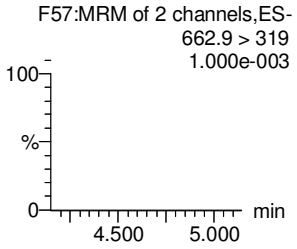
N-MeFOSA



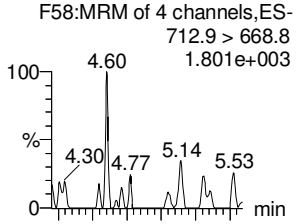


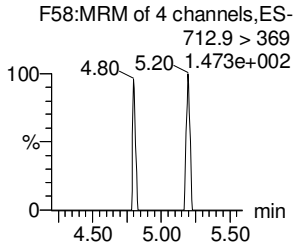
PFTrDA



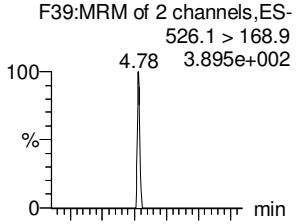


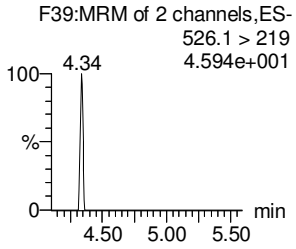
PFTeDA



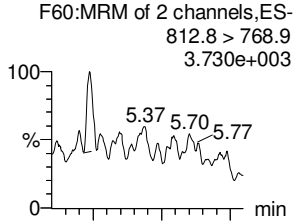


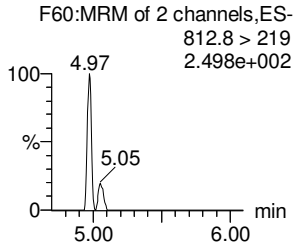
N-EtFOSA



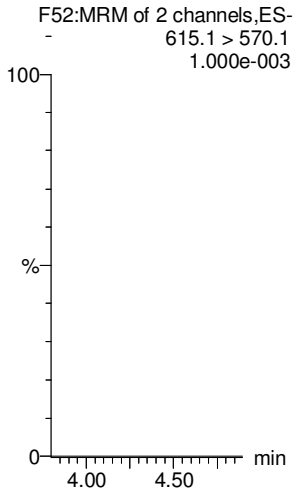


PFHxDA

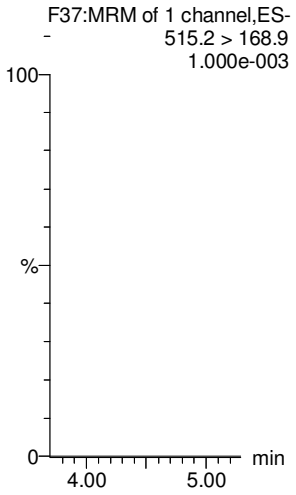




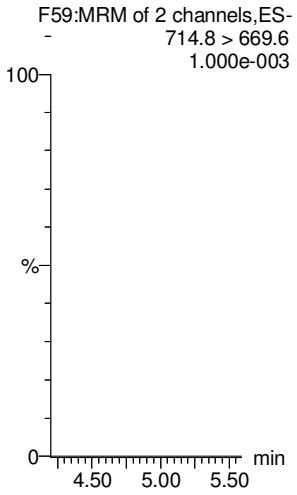
13C2-PFDoA



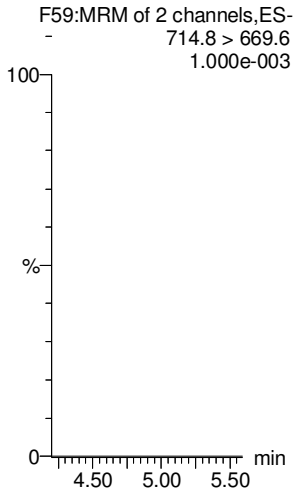
d3-N-MeFOSA



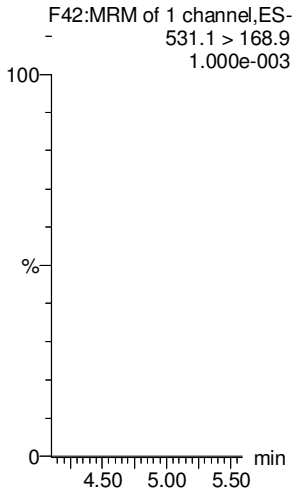
13C2-PFTeDA



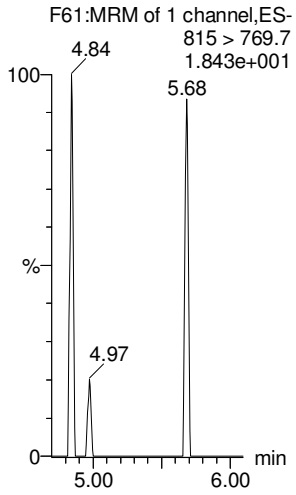
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



GM 10/17/17

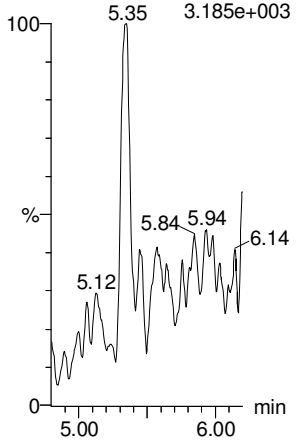
Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

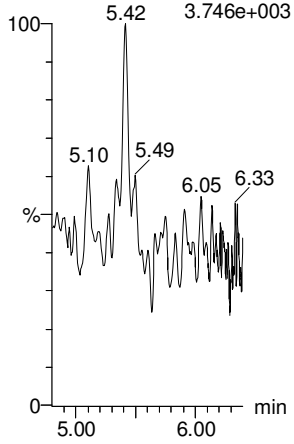
Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

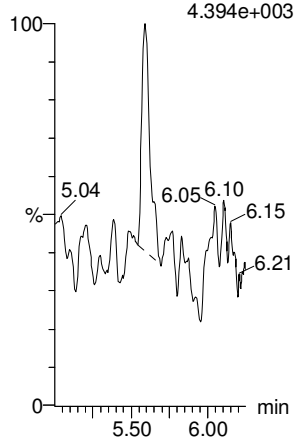
PFODA
F62:MRM of 4 channels,ES-
912.8 > 868.8
3.185e+003



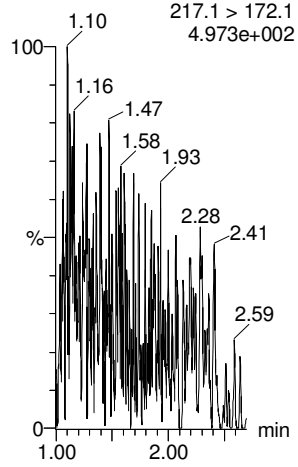
N-MeFOSE
F53:MRM of 1 channel,ES-
616.1 > 58.9
3.746e+003



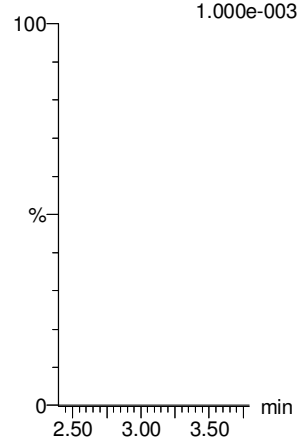
N-EtFOSE
F55:MRM of 1 channel,ES-
630.1 > 58.9
4.394e+003



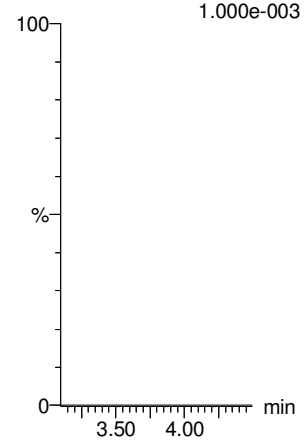
13C4-PFBA
F3:MRM of 1 channel,ES-
217.1 > 172.1
4.973e+002



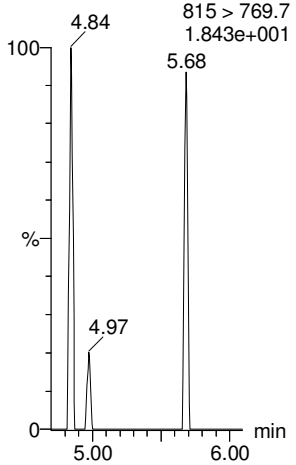
13C5-PFHxA
F10:MRM of 1 channel,ES-
-
318 > 272.9
1.000e-003



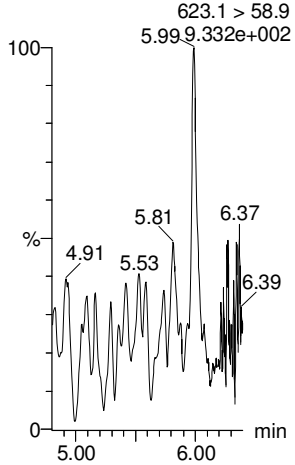
13C4-PFOS
F31:MRM of 1 channel,ES-
-
503 > 79.9
1.000e-003



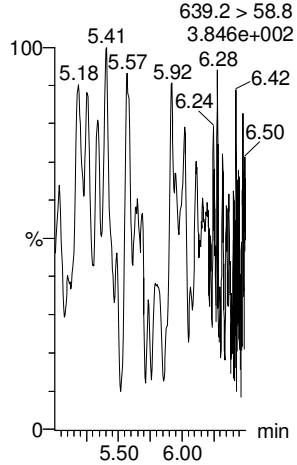
13C2-PFHxDA
F61:MRM of 1 channel,ES-
815 > 769.7
1.843e+001



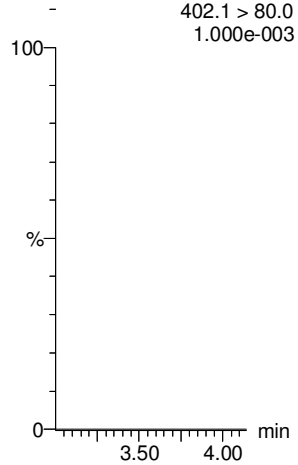
d7-N-MeFOSE
F54:MRM of 1 channel,ES-
623.1 > 58.9
9.332e+002



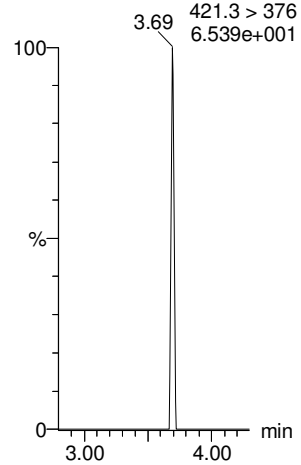
d9-N-EtFOSE
F56:MRM of 1 channel,ES-
639.2 > 58.8
3.846e+002



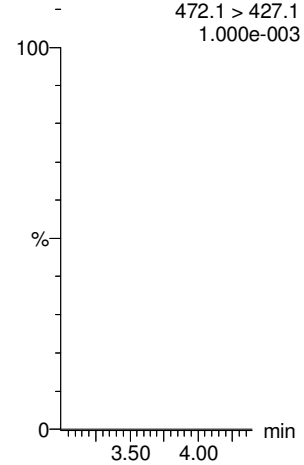
13C3-PFHxS
F17:MRM of 1 channel,ES-
-
402.1 > 80.0
1.000e-003



13C8-PFOA
F21:MRM of 1 channel,ES-
-
421.3 > 376
6.539e+001



13C9-PFNA
F27:MRM of 1 channel,ES-
-
472.1 > 427.1
1.000e-003



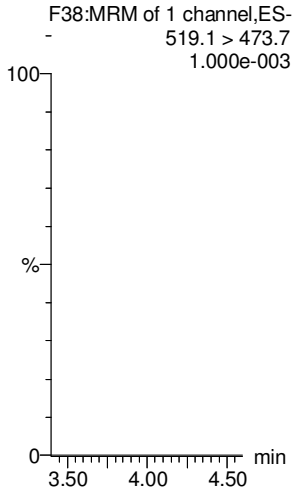
GM 10/17/17

Dataset: U:\Q4.PRO\results\171016M4\171016M4-12.qld

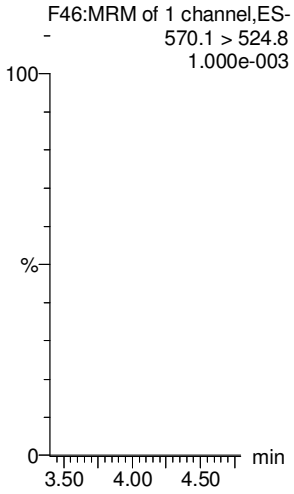
Last Altered: Tuesday, October 17, 2017 12:46:41 Pacific Daylight Time
Printed: Tuesday, October 17, 2017 12:46:51 Pacific Daylight Time

Name: 171016M4_12, Date: 16-Oct-2017, Time: 15:35:00, ID: IPA, Description: IPA

13C6-PFDA



13C7-PFUnA



GM 10/17/17

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 26 Oct 2017 08:20:12
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:24:20

Compound name: PFBA
Correlation coefficient: r = 0.999162, r^2 = 0.998324
Calibration curve: 1.25384 * x + -0.0149356
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

dlm 10/27/17 ✓ JA 10/27/2017

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	1.25	169.410	7808.215	0.271	0.2	-8.7	NO	0.998	NO	MM
2	2	171026M1_3	Standard	0.500	1.25	378.556	8572.229	0.552	0.5	-9.6	NO	0.998	NO	MM
3	3	171026M1_4	Standard	1.000	1.25	971.693	7984.760	1.521	1.2	22.5	NO	0.998	NO	MM
4	4	171026M1_5	Standard	2.000	1.25	1475.644	8054.466	2.290	1.8	-8.1	NO	0.998	NO	MM
5	5	171026M1_6	Standard	5.000	1.25	3254.984	6778.724	6.002	4.8	-4.0	NO	0.998	NO	bb
6	6	171026M1_7	Standard	10.000	1.23	9473.223	8629.076	13.723	11.0	9.6	NO	0.998	NO	bb
7	7	171026M1_8	Standard	50.000	1.25	36005.004	7455.317	60.368	48.2	-3.7	NO	0.998	NO	bb
8	8	171026M1_9	Standard	100.000	1.25	70425.258	7419.347	118.651	94.6	-5.4	NO	0.998	NO	bb
9	9	171026M1_10	Standard	250.000	1.25	177538.250	6902.076	321.531	256.4	2.6	NO	0.998	NO	bb

Compound name: PFPeA
Correlation coefficient: r = 0.999675, r^2 = 0.999351
Calibration curve: 1.1515 * x + 0.0271081
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	2.22	195.461	8408.983	0.291	0.2	-8.5	NO	0.999	NO	MM
2	2	171026M1_3	Standard	0.500	2.22	410.022	8868.642	0.578	0.5	-4.3	NO	0.999	NO	bb
3	3	171026M1_4	Standard	1.000	2.23	957.906	8877.859	1.349	1.1	14.8	NO	0.999	NO	bb
4	4	171026M1_5	Standard	2.000	2.23	1564.483	8596.897	2.275	2.0	-2.4	NO	0.999	NO	bb
5	5	171026M1_6	Standard	5.000	2.22	3290.001	7755.411	5.303	4.6	-8.4	NO	0.999	NO	bb
6	6	171026M1_7	Standard	10.000	2.22	9504.004	9337.942	12.722	11.0	10.2	NO	0.999	NO	bb
7	7	171026M1_8	Standard	50.000	2.23	37194.707	8015.438	58.005	50.3	0.7	NO	0.999	NO	bb
8	8	171026M1_9	Standard	100.000	2.23	70141.914	7838.237	111.859	97.1	-2.9	NO	0.999	NO	bb
9	9	171026M1_10	Standard	250.000	2.23	175476.359	7562.272	290.052	251.9	0.7	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: PFBS
Correlation coefficient: r = 0.998426, r^2 = 0.996854
Calibration curve: 2.43502 * x + 0.00496287
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	2.51	56.109	942.759	0.744	0.3	21.4	NO	0.997	NO	MM
2	2	171026M1_3	Standard	0.500	2.50	109.096	1150.455	1.185	0.5	-3.0	NO	0.997	NO	bb
3	3	171026M1_4	Standard	1.000	2.51	246.749	1085.497	2.841	1.2	16.5	NO	0.997	NO	bb
4	4	171026M1_5	Standard	2.000	2.51	350.747	1130.237	3.879	1.6	-20.4	NO	0.997	NO	bb
5	5	171026M1_6	Standard	5.000	2.51	808.830	946.956	10.677	4.4	-12.3	NO	0.997	NO	bb
6	6	171026M1_7	Standard	10.000	2.51	2276.402	1107.306	25.698	10.6	5.5	NO	0.997	NO	bb
7	7	171026M1_8	Standard	50.000	2.51	8724.820	930.832	117.164	48.1	-3.8	NO	0.997	NO	bb
8	8	171026M1_9	Standard	100.000	2.51	16856.811	937.808	224.684	92.3	-7.7	NO	0.997	NO	bb
9	9	171026M1_10	Standard	250.000	2.51	41762.863	824.913	632.837	259.9	4.0	NO	0.997	NO	bb

Compound name: PFHxA
Correlation coefficient: r = 0.999732, r^2 = 0.999465
Calibration curve: 1.66208 * x + 0.0769658
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	3.00	283.989	2942.526	0.483	0.2	-2.4	NO	0.999	NO	bb
2	2	171026M1_3	Standard	0.500	3.00	587.805	3685.471	0.797	0.4	-13.3	NO	0.999	NO	MM
3	3	171026M1_4	Standard	1.000	3.00	1424.702	3516.192	2.026	1.2	17.3	NO	0.999	NO	MM
4	4	171026M1_5	Standard	2.000	3.00	2232.012	3262.653	3.421	2.0	0.6	NO	0.999	NO	bb
5	5	171026M1_6	Standard	5.000	3.00	4890.172	2910.139	8.402	5.0	0.2	NO	0.999	NO	bb
6	6	171026M1_7	Standard	10.000	3.00	13203.137	3962.694	16.659	10.0	-0.2	NO	0.999	NO	bb
7	7	171026M1_8	Standard	50.000	3.00	54375.723	3263.629	83.306	50.1	0.1	NO	0.999	NO	bb
8	8	171026M1_9	Standard	100.000	3.00	99396.352	3101.273	160.251	96.4	-3.6	NO	0.999	NO	bb
9	9	171026M1_10	Standard	250.000	3.00	243237.984	2886.449	421.345	253.5	1.4	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: PFHpA
Correlation coefficient: r = 0.998813, r^2 = 0.997628
Calibration curve: 1.51217 * x + -0.00204214
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	3.62	217.491	6975.456	0.390	0.3	3.6	NO	0.998	NO	MM
2	2	171026M1_3	Standard	0.500	3.62	435.150	8073.077	0.674	0.4	-10.6	NO	0.998	NO	bb
3	3	171026M1_4	Standard	1.000	3.62	1150.884	7874.637	1.827	1.2	20.9	NO	0.998	NO	bb
4	4	171026M1_5	Standard	2.000	3.62	1765.486	7732.312	2.854	1.9	-5.6	NO	0.998	NO	MM
5	5	171026M1_6	Standard	5.000	3.62	3955.650	7137.554	6.928	4.6	-8.3	NO	0.998	NO	bb
6	6	171026M1_7	Standard	10.000	3.63	11140.995	8761.563	15.895	10.5	5.1	NO	0.998	NO	bb
7	7	171026M1_8	Standard	50.000	3.62	44386.152	7381.024	75.169	49.7	-0.6	NO	0.998	NO	bb
8	8	171026M1_9	Standard	100.000	3.63	82448.250	7389.083	139.476	92.2	-7.8	NO	0.998	NO	bb
9	9	171026M1_10	Standard	250.000	3.63	210467.547	6745.937	389.989	257.9	3.2	NO	0.998	NO	bb

Compound name: L-PFHxS
Correlation coefficient: r = 0.998527, r^2 = 0.997056
Calibration curve: 2.44187 * x + -0.197337
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	3.77	33.810	852.741	0.496	0.3	13.5	NO	0.997	NO	MM
2	2	171026M1_3	Standard	0.500	3.77	87.560	950.357	1.152	0.6	10.5	NO	0.997	NO	MM
3	3	171026M1_4	Standard	1.000	3.77	183.248	1000.627	2.289	1.0	1.8	NO	0.997	NO	MM
4	4	171026M1_5	Standard	2.000	3.78	262.817	901.116	3.646	1.6	-21.3	NO	0.997	NO	MM
5	5	171026M1_6	Standard	5.000	3.78	645.315	720.817	11.191	4.7	-6.7	NO	0.997	NO	MM
6	6	171026M1_7	Standard	10.000	3.78	2009.132	930.634	26.986	11.1	11.3	NO	0.997	NO	MM
7	7	171026M1_8	Standard	50.000	3.78	7421.165	812.195	114.215	46.9	-6.3	NO	0.997	NO	MM
8	8	171026M1_9	Standard	100.000	3.78	14385.692	788.162	228.153	93.5	-6.5	NO	0.997	NO	MM
9	9	171026M1_10	Standard	250.000	3.78	34045.094	672.689	632.631	259.2	3.7	NO	0.997	NO	MM

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.990378
Calibration curve: -0.00338904 * x^2 + 1.06688 * x + -0.0276541
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	4.10	38.764	2164.565	0.224	0.2	-5.6	NO	0.990	NO	MM
2	2	171026M1_3	Standard	0.500	4.09	76.205	2370.950	0.402	0.4	-19.4	NO	0.990	NO	MM
3	3	171026M1_4	Standard	1.000	4.10	260.433	2607.028	1.249	1.2	20.1	NO	0.990	NO	MM
4	4	171026M1_5	Standard	2.000	4.10	371.059	2213.204	2.096	2.0	0.2	NO	0.990	NO	MM
5	5	171026M1_6	Standard	5.000	4.10	723.532	2011.325	4.497	4.3	-14.0	NO	0.990	NO	bb
6	6	171026M1_7	Standard	10.000	4.10	2375.465	2322.365	12.786	12.5	25.1	NO	0.990	NO	bb
7	7	171026M1_8	Standard	50.000	4.10	8057.026	2423.382	41.559	45.6	-8.8	NO	0.990	NO	MM
8	8	171026M1_9	Standard	100.000	4.10	16916.268	2849.847	74.198	103.8	3.8	NO	0.990	NO	MM
9	9	171026M1_10	Standard	250.000	4.10	42048.867	3989.678	131.743			NO	0.990	NO	MMXI

Compound name: L-PFOA
Correlation coefficient: r = 0.999419, r^2 = 0.998838
Calibration curve: 1.12797 * x + 0.284504
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	4.15	471.538	9078.071	0.649	0.3	29.4	NO	0.999	NO	bb
2	2	171026M1_3	Standard	0.500	4.15	637.530	11620.861	0.686	0.4	-28.9	NO	0.999	NO	bb
3	3	171026M1_4	Standard	1.000	4.15	1432.158	11362.964	1.575	1.1	14.5	NO	0.999	NO	bb
4	4	171026M1_5	Standard	2.000	4.15	2028.134	10917.326	2.322	1.8	-9.7	NO	0.999	NO	bb
5	5	171026M1_6	Standard	5.000	4.15	4240.121	9732.542	5.446	4.6	-8.5	NO	0.999	NO	bb
6	6	171026M1_7	Standard	10.000	4.16	12624.870	12620.936	12.504	10.8	8.3	NO	0.999	NO	bb
7	7	171026M1_8	Standard	50.000	4.15	46626.160	10698.399	54.478	48.0	-3.9	NO	0.999	NO	bb
8	8	171026M1_9	Standard	100.000	4.15	87781.883	10016.809	109.543	96.9	-3.1	NO	0.999	NO	bb
9	9	171026M1_10	Standard	250.000	4.15	215229.203	9351.515	287.693	254.8	1.9	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.998365
Calibration curve: 4.65786e-005 * x^2 + 0.203609 * x + 0.0252184
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	4.26	60.156	9078.071	0.083	0.3	13.2	NO	0.998	NO	bb
2	2	171026M1_3	Standard	0.500	4.26	97.399	11620.861	0.105	0.4	-21.9	NO	0.998	NO	bb
3	3	171026M1_4	Standard	1.000	4.27	221.282	11362.964	0.243	1.1	7.1	NO	0.998	NO	bb
4	4	171026M1_5	Standard	2.000	4.27	363.685	10917.326	0.416	1.9	-4.0	NO	0.998	NO	bb
5	5	171026M1_6	Standard	5.000	4.26	747.675	9732.542	0.960	4.6	-8.2	NO	0.998	NO	bb
6	6	171026M1_7	Standard	10.000	4.27	2336.865	12620.936	2.314	11.2	12.1	NO	0.998	NO	bb
7	7	171026M1_8	Standard	50.000	4.27	9392.685	10698.399	10.974	53.1	6.3	NO	0.998	NO	bb
8	8	171026M1_9	Standard	100.000	4.27	15827.031	10016.809	19.751	94.8	-5.2	NO	0.998	NO	bb
9	9	171026M1_10	Standard	250.000	4.26	40503.746	9351.515	54.141	251.3	0.5	NO	0.998	NO	bb

Compound name: PFNA
Coefficient of Determination: R^2 = 0.997109
Calibration curve: -0.000379675 * x^2 + 1.44302 * x + 0.0895267
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	4.59	298.739	10432.768	0.358	0.2	-25.6	NO	0.997	NO	bb
2	2	171026M1_3	Standard	0.500	4.59	616.104	10776.714	0.715	0.4	-13.4	NO	0.997	NO	bb
3	3	171026M1_4	Standard	1.000	4.59	1536.325	10136.376	1.895	1.3	25.1	NO	0.997	NO	bb
4	4	171026M1_5	Standard	2.000	4.59	2228.166	9401.615	2.962	2.0	-0.4	NO	0.997	NO	bb
5	5	171026M1_6	Standard	5.000	4.59	4653.905	8632.302	6.739	4.6	-7.7	NO	0.997	NO	bb
6	6	171026M1_7	Standard	10.000	4.60	15142.974	10614.531	17.833	12.3	23.4	NO	0.997	NO	bb
7	7	171026M1_8	Standard	50.000	4.59	54084.996	9136.932	73.992	51.9	3.8	NO	0.997	NO	bb
8	8	171026M1_9	Standard	100.000	4.59	99947.945	9445.277	132.272	93.9	-6.1	NO	0.997	NO	bb
9	9	171026M1_10	Standard	250.000	4.59	241162.719	8871.991	339.781	252.1	0.9	NO	0.997	NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: PFOSA
Correlation coefficient: r = 0.998461, r^2 = 0.996924
Calibration curve: 1.16388 * x + 0.0273367
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	4.64	67.667	2860.033	0.296	0.2	-7.8	NO	0.997	NO	bb
2	2	171026M1_3	Standard	0.500	4.64	160.843	2971.727	0.677	0.6	11.6	NO	0.997	NO	bb
3	3	171026M1_4	Standard	1.000	4.64	330.443	3347.137	1.234	1.0	3.7	NO	0.997	NO	bb
4	4	171026M1_5	Standard	2.000	4.64	583.434	3119.570	2.338	2.0	-0.7	NO	0.997	NO	bb
5	5	171026M1_6	Standard	5.000	4.64	1163.094	2616.420	5.557	4.8	-5.0	NO	0.997	NO	bb
6	6	171026M1_7	Standard	10.000	4.65	3486.776	3417.714	12.753	10.9	9.3	NO	0.997	NO	bb
7	7	171026M1_8	Standard	50.000	4.64	12015.530	3010.790	49.885	42.8	-14.3	NO	0.997	NO	bb
8	8	171026M1_9	Standard	100.000	4.64	25235.262	2679.938	117.705	101.1	1.1	NO	0.997	NO	bb
9	9	171026M1_10	Standard	250.000	4.64	59672.262	2509.948	297.179	255.3	2.1	NO	0.997	NO	bb

Compound name: L-PFOS
Correlation coefficient: r = 0.997357, r^2 = 0.994721
Calibration curve: 1.1564 * x + -0.0243452
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	4.68	53.751	2514.781	0.267	0.3	0.8	NO	0.995	NO	MM
2	2	171026M1_3	Standard	0.500	4.68	89.260	2269.787	0.492	0.4	-10.8	NO	0.995	NO	MM
3	3	171026M1_4	Standard	1.000	4.68	259.248	2388.392	1.357	1.2	19.4	NO	0.995	NO	MM
4	4	171026M1_5	Standard	2.000	4.68	404.457	2373.570	2.130	1.9	-6.9	NO	0.995	NO	MM
5	5	171026M1_6	Standard	5.000	4.68	742.283	2090.799	4.438	3.9	-22.8	NO	0.995	NO	MM
6	6	171026M1_7	Standard	10.000	4.68	2830.883	2570.850	13.764	11.9	19.2	NO	0.995	NO	MM
7	7	171026M1_8	Standard	50.000	4.68	9432.499	2064.157	57.121	49.4	-1.2	NO	0.995	NO	MM
8	8	171026M1_9	Standard	100.000	4.68	18509.137	2233.150	103.604	89.6	-10.4	NO	0.995	NO	MM
9	9	171026M1_10	Standard	250.000	4.68	47303.645	1965.412	300.851	260.2	4.1	NO	0.995	NO	MM

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: PFDA
Coefficient of Determination: R^2 = 0.998744
Calibration curve: 0.000670409 * x^2 + 1.3303 * x + 0.180081
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	4.97	372.370	9937.673	0.468	0.2	-13.3	NO	0.999	NO	MM
2	2	171026M1_3	Standard	0.500	4.97	652.787	10867.054	0.751	0.4	-14.2	NO	0.999	NO	MM
3	3	171026M1_4	Standard	1.000	4.97	1419.549	10060.540	1.764	1.2	19.0	NO	0.999	NO	bb
4	4	171026M1_5	Standard	2.000	4.97	2263.442	10558.938	2.680	1.9	-6.1	NO	0.999	NO	bb
5	5	171026M1_6	Standard	5.000	4.97	4849.386	9200.564	6.588	4.8	-3.9	NO	0.999	NO	bb
6	6	171026M1_7	Standard	10.000	4.98	15897.714	12043.707	16.500	12.2	21.9	NO	0.999	NO	bb
7	7	171026M1_8	Standard	50.000	4.97	50889.750	9506.485	66.915	49.0	-2.1	NO	0.999	NO	bb
8	8	171026M1_9	Standard	100.000	4.97	100970.852	9169.604	137.643	98.4	-1.6	NO	0.999	NO	bb
9	9	171026M1_10	Standard	250.000	4.97	271550.188	9033.771	375.743	250.7	0.3	NO	0.999	NO	bb

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.995715
Calibration curve: -0.00382414 * x^2 + 1.3379 * x + 0.459132
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	4.94	81.448	1790.163	0.569	0.1	-67.2	NO	0.996	NO	bbX
2	2	171026M1_3	Standard	0.500	4.94	132.352	1649.670	1.003	0.4	-18.6	NO	0.996	NO	bb
3	3	171026M1_4	Standard	1.000	4.94	279.093	1643.484	2.123	1.2	24.8	NO	0.996	NO	bb
4	4	171026M1_5	Standard	2.000	4.94	305.201	1512.175	2.523	1.5	-22.5	NO	0.996	NO	bb
5	5	171026M1_6	Standard	5.000	4.94	1052.290	1698.864	7.743	5.5	10.6	NO	0.996	NO	bb
6	6	171026M1_7	Standard	10.000	4.94	2300.402	1959.247	14.677	11.0	9.7	NO	0.996	NO	bb
7	7	171026M1_8	Standard	50.000	4.94	9184.235	2085.414	55.050	47.2	-5.7	NO	0.996	NO	bb
8	8	171026M1_9	Standard	100.000	4.94	18972.119	2439.029	97.232	102.2	2.2	NO	0.996	NO	bb
9	9	171026M1_10	Standard	250.000	4.94	47933.313	3475.574	172.394			NO	0.996	NO	bbXI

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: PFDA
Coefficient of Determination: R^2 = 0.998744
Calibration curve: 0.000670409 * x^2 + 1.3303 * x + 0.180081
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	4.97	372.370	9937.673	0.468	0.2	-13.3	NO	0.999	NO	MM
2	2	171026M1_3	Standard	0.500	4.97	652.787	10867.054	0.751	0.4	-14.2	NO	0.999	NO	MM
3	3	171026M1_4	Standard	1.000	4.97	1419.549	10060.540	1.764	1.2	19.0	NO	0.999	NO	bb
4	4	171026M1_5	Standard	2.000	4.97	2263.442	10558.938	2.680	1.9	-6.1	NO	0.999	NO	bb
5	5	171026M1_6	Standard	5.000	4.97	4849.386	9200.564	6.588	4.8	-3.9	NO	0.999	NO	bb
6	6	171026M1_7	Standard	10.000	4.98	15897.714	12043.707	16.500	12.2	21.9	NO	0.999	NO	bb
7	7	171026M1_8	Standard	50.000	4.97	50889.750	9506.485	66.915	49.0	-2.1	NO	0.999	NO	bb
8	8	171026M1_9	Standard	100.000	4.97	100970.852	9169.604	137.643	98.4	-1.6	NO	0.999	NO	bb
9	9	171026M1_10	Standard	250.000	4.97	271550.188	9033.771	375.743	250.7	0.3	NO	0.999	NO	bb

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.995715
Calibration curve: -0.00382414 * x^2 + 1.3379 * x + 0.459132
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	4.94	81.448	1790.163	0.569	0.1	-67.2	NO	0.996	NO	bbX
2	2	171026M1_3	Standard	0.500	4.94	132.352	1649.670	1.003	0.4	-18.6	NO	0.996	NO	bb
3	3	171026M1_4	Standard	1.000	4.94	279.093	1643.484	2.123	1.2	24.8	NO	0.996	NO	bb
4	4	171026M1_5	Standard	2.000	4.94	305.201	1512.175	2.523	1.5	-22.5	NO	0.996	NO	bb
5	5	171026M1_6	Standard	5.000	4.94	1052.290	1698.864	7.743	5.5	10.6	NO	0.996	NO	bb
6	6	171026M1_7	Standard	10.000	4.94	2300.402	1959.247	14.677	11.0	9.7	NO	0.996	NO	bb
7	7	171026M1_8	Standard	50.000	4.94	9184.235	2085.414	55.050	47.2	-5.7	NO	0.996	NO	bb
8	8	171026M1_9	Standard	100.000	4.94	18972.119	2439.029	97.232	102.2	2.2	NO	0.996	NO	bb
9	9	171026M1_10	Standard	250.000	4.94	47933.313	3475.574	172.394			NO	0.996	NO	bbXI

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.997869
Calibration curve: -0.000267179 * x^2 + 1.57739 * x + 0.0787904
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	5.12	171.157	4283.565	0.499	0.3	6.7	NO	0.998	NO	bb
2	2	171026M1_3	Standard	0.500	5.12	251.886	4531.096	0.695	0.4	-21.9	NO	0.998	NO	bb
3	3	171026M1_4	Standard	1.000	5.13	611.555	4244.738	1.801	1.1	9.2	NO	0.998	NO	bb
4	4	171026M1_5	Standard	2.000	5.13	1014.820	4230.691	2.998	1.9	-7.4	NO	0.998	NO	bb
5	5	171026M1_6	Standard	5.000	5.13	2286.861	3763.122	7.596	4.8	-4.6	NO	0.998	NO	bb
6	6	171026M1_7	Standard	10.000	5.13	7505.110	5027.620	18.660	11.8	18.0	NO	0.998	NO	bb
7	7	171026M1_8	Standard	50.000	5.13	26761.980	4070.543	82.182	52.5	5.0	NO	0.998	NO	bb
8	8	171026M1_9	Standard	100.000	5.13	48675.637	4156.273	146.392	94.3	-5.7	NO	0.998	NO	bb
9	9	171026M1_10	Standard	250.000	5.13	120635.273	3964.672	380.344	251.8	0.7	NO	0.998	NO	bb

Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.994831
Calibration curve: 5.282e-005 * x^2 + 1.26472 * x + 0.0301259
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	5.28	128.703	4328.346	0.372	0.3	8.0	NO	0.995	NO	bb
2	2	171026M1_3	Standard	0.500	5.28	245.150	4608.545	0.665	0.5	0.4	NO	0.995	NO	bb
3	3	171026M1_4	Standard	1.000	5.29	479.197	4596.165	1.303	1.0	0.7	NO	0.995	NO	bb
4	4	171026M1_5	Standard	2.000	5.29	807.240	4598.011	2.195	1.7	-14.4	NO	0.995	NO	bb
5	5	171026M1_6	Standard	5.000	5.28	1751.644	4056.309	5.398	4.2	-15.1	NO	0.995	NO	bb
6	6	171026M1_7	Standard	10.000	5.29	6279.174	4795.402	16.368	12.9	29.1	NO	0.995	NO	bb
7	7	171026M1_8	Standard	50.000	5.29	21268.102	3860.981	68.856	54.3	8.6	NO	0.995	NO	bb
8	8	171026M1_9	Standard	100.000	5.29	38943.199	4197.738	115.965	91.3	-8.7	NO	0.995	NO	bb
9	9	171026M1_10	Standard	250.000	5.28	91337.641	3537.789	322.721	252.5	1.0	NO	0.995	NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: PFUnA
Coefficient of Determination: R^2 = 0.998990
Calibration curve: -0.000325839 * x^2 + 1.14375 * x + 0.032356
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	5.30	333.859	11922.407	0.350	0.3	11.1	NO	0.999	NO	MM
2	2	171026M1_3	Standard	0.500	5.30	604.879	14098.658	0.536	0.4	-11.9	NO	0.999	NO	MM
3	3	171026M1_4	Standard	1.000	5.30	1430.892	14676.305	1.219	1.0	3.8	NO	0.999	NO	bb
4	4	171026M1_5	Standard	2.000	5.30	2224.770	13559.280	2.051	1.8	-11.7	NO	0.999	NO	bb
5	5	171026M1_6	Standard	5.000	5.30	5026.863	11695.059	5.373	4.7	-6.5	NO	0.999	NO	bb
6	6	171026M1_7	Standard	10.000	5.30	13767.616	12899.332	13.341	11.7	16.8	NO	0.999	NO	MM
7	7	171026M1_8	Standard	50.000	5.30	56903.492	12601.697	56.444	50.0	0.1	NO	0.999	NO	bb
8	8	171026M1_9	Standard	100.000	5.30	91266.719	10458.104	109.086	98.1	-1.9	NO	0.999	NO	bb
9	9	171026M1_10	Standard	250.000	5.30	226259.609	10618.298	266.356	250.8	0.3	NO	0.999	NO	bb

Compound name: PFDS
Coefficient of Determination: R^2 = 0.994206
Calibration curve: 0.195972 * x
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: Null, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	5.35	45.020	11922.407	0.047	0.2	-3.7	NO	0.994	NO	MMX
2	2	171026M1_3	Standard	0.500	5.35	151.486	14098.658	0.134	0.7	37.1	NO	0.994	NO	MMX
3	3	171026M1_4	Standard	1.000	5.36	213.721	14676.305	0.182	0.9	-7.1	NO	0.994	NO	MM
4	4	171026M1_5	Standard	2.000	5.35	460.999	13559.280	0.425	2.2	8.4	NO	0.994	NO	MM
5	5	171026M1_6	Standard	5.000	5.35	810.285	11695.059	0.866	4.4	-11.6	NO	0.994	NO	MM
6	6	171026M1_7	Standard	10.000	5.36	2627.442	12899.332	2.546	13.0	29.9	NO	0.994	NO	MM
7	7	171026M1_8	Standard	50.000	5.35	9770.502	12601.697	9.692	49.5	-1.1	NO	0.994	NO	MM
8	8	171026M1_9	Standard	100.000	5.35	22998.344	10458.104	27.489	140.3	40.3	NO	0.994	NO	MMX
9	9	171026M1_10	Standard	250.000	5.35	45583.809	10618.298	53.662	273.8	9.5	NO	0.994	NO	MMX

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.997953
Calibration curve: -0.000109132 * x^2 + 1.24453 * x + 0.293856
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	5.59	431.656	13820.625	0.390	0.1	-69.0	NO	0.998	NO	bbX
2	2	171026M1_3	Standard	0.500	5.59	915.266	14554.974	0.786	0.4	-20.9	NO	0.998	NO	MM
3	3	171026M1_4	Standard	1.000	5.59	1861.279	14053.078	1.656	1.1	9.4	NO	0.998	NO	bb
4	4	171026M1_5	Standard	2.000	5.59	3205.994	13740.559	2.917	2.1	5.4	NO	0.998	NO	bb
5	5	171026M1_6	Standard	5.000	5.59	6002.763	12183.269	6.159	4.7	-5.7	NO	0.998	NO	bb
6	6	171026M1_7	Standard	10.000	5.59	19185.148	16125.540	14.872	11.7	17.3	NO	0.998	NO	bb
7	7	171026M1_8	Standard	50.000	5.59	65903.305	14441.244	57.044	45.8	-8.4	NO	0.998	NO	bb
8	8	171026M1_9	Standard	100.000	5.59	124742.266	12225.404	127.544	103.2	3.2	NO	0.998	NO	bb
9	9	171026M1_10	Standard	250.000	5.59	282094.188	11598.803	304.012	249.5	-0.2	NO	0.998	NO	bb

Compound name: N-MeFOSA
Coefficient of Determination: R^2 = 0.999297
Calibration curve: -0.000149877 * x^2 + 1.21877 * x + 0.0856513
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	1.250	5.59	150.739	13893.939	1.627	1.3	1.2	NO	0.999	NO	bb
2	2	171026M1_3	Standard	2.500	5.59	289.176	15405.037	2.816	2.2	-10.4	NO	0.999	NO	bb
3	3	171026M1_4	Standard	5.000	5.60	725.535	14020.292	7.762	6.3	26.1	NO	0.999	NO	bb
4	4	171026M1_5	Standard	10.000	5.60	1026.968	13929.710	11.059	9.0	-9.9	NO	0.999	NO	bb
5	5	171026M1_6	Standard	25.000	5.59	2433.160	12908.811	28.273	23.2	-7.2	NO	0.999	NO	bb
6	6	171026M1_7	Standard	50.000	5.60	5717.728	13491.567	63.570	52.4	4.9	NO	0.999	NO	bb
7	7	171026M1_8	Standard	250.000	5.60	25214.387	12434.965	304.155	257.7	3.1	NO	0.999	NO	bb
8	8	171026M1_9	Standard	500.000	5.60	44827.070	12026.860	559.087	487.9	-2.4	NO	0.999	NO	bb
9	9	171026M1_10	Standard	1250.000	5.60	102687.719	11915.382	1292.712	1254.0	0.3	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.998625
Calibration curve: 0.000400269 * x^2 + 1.32903 * x + 0.10057
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	5.84	421.703	13820.625	0.381	0.2	-15.5	NO	0.999	NO	MM
2	2	171026M1_3	Standard	0.500	5.84	788.318	14554.974	0.677	0.4	-13.3	NO	0.999	NO	bb
3	3	171026M1_4	Standard	1.000	5.85	1764.051	14053.078	1.569	1.1	10.5	NO	0.999	NO	bb
4	4	171026M1_5	Standard	2.000	5.85	2983.976	13740.559	2.715	2.0	-1.7	NO	0.999	NO	bb
5	5	171026M1_6	Standard	5.000	5.84	6940.688	12183.269	7.121	5.3	5.5	NO	0.999	NO	bb
6	6	171026M1_7	Standard	10.000	5.85	20751.439	16125.540	16.086	12.0	19.8	NO	0.999	NO	bb
7	7	171026M1_8	Standard	50.000	5.85	73393.203	14441.244	63.527	47.1	-5.9	NO	0.999	NO	bb
8	8	171026M1_9	Standard	100.000	5.85	134583.125	12225.404	137.606	100.4	0.4	NO	0.999	NO	bb
9	9	171026M1_10	Standard	250.000	5.84	332029.500	11598.803	357.827	250.3	0.1	NO	0.999	NO	bb

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.990408
Calibration curve: -0.0116096 * x^2 + 1.77597 * x + -0.229836
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	6.06	353.669	9377.037	0.471	0.4	58.4	NO	0.990	NO	MMX
2	2	171026M1_3	Standard	0.500	6.06	672.156	10575.495	0.794	0.6	15.8	NO	0.990	NO	bb
3	3	171026M1_4	Standard	1.000	6.06	1342.364	10644.371	1.576	1.0	2.4	NO	0.990	NO	bb
4	4	171026M1_5	Standard	2.000	6.06	2705.437	11884.834	2.845	1.8	-12.4	NO	0.990	NO	bb
5	5	171026M1_6	Standard	5.000	6.06	5888.760	10706.537	6.875	4.1	-17.8	NO	0.990	NO	bb
6	6	171026M1_7	Standard	10.000	6.06	18380.754	12533.464	18.332	11.3	12.8	NO	0.990	NO	bb
7	7	171026M1_8	Standard	50.000	6.06	61918.887	13048.656	59.315	49.6	-0.7	NO	0.990	NO	db
8	8	171026M1_9	Standard	100.000	6.06	113524.648	11072.916	128.156			NO	0.990	NO	bbXI
9	9	171026M1_10	Standard	250.000	6.06	265615.188	10205.076	325.347			NO	0.990	NO	dbXI

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999879
Calibration curve: 1.51717e-005 * x^2 + 1.00753 * x + 0.283778
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	1.250	6.02	203.932	19832.848	1.542	1.2	-0.1	NO	1.000	NO	bb
2	2	171026M1_3	Standard	2.500	6.02	358.754	21744.625	2.475	2.2	-13.0	NO	1.000	NO	MM
3	3	171026M1_4	Standard	5.000	6.02	808.101	20019.549	6.055	5.7	14.5	NO	1.000	NO	bb
4	4	171026M1_5	Standard	10.000	6.03	1350.590	19708.096	10.279	9.9	-0.8	NO	1.000	NO	bb
5	5	171026M1_6	Standard	25.000	6.02	3120.174	19092.957	24.513	24.0	-3.8	NO	1.000	NO	bb
6	6	171026M1_7	Standard	50.000	6.03	6858.185	19619.416	52.434	51.7	3.4	NO	1.000	NO	bb
7	7	171026M1_8	Standard	250.000	6.03	30907.031	18301.496	253.316	250.2	0.1	NO	1.000	NO	bb
8	8	171026M1_9	Standard	500.000	6.03	57020.777	16908.625	505.843	498.0	-0.4	NO	1.000	NO	bb
9	9	171026M1_10	Standard	1250.000	6.03	127353.117	14876.408	1284.112	1250.7	0.1	NO	1.000	NO	bb

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999290
Calibration curve: -0.000484189 * x^2 + 0.723946 * x + 0.0537259
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	0.250	6.39	213.157	4102.797	0.260	0.3	13.9	NO	0.999	NO	bb
2	2	171026M1_3	Standard	0.500	6.40	292.271	4597.595	0.318	0.4	-27.0	NO	0.999	NO	MM
3	3	171026M1_4	Standard	1.000	6.39	624.552	3582.335	0.872	1.1	13.1	NO	0.999	NO	bb
4	4	171026M1_5	Standard	2.000	6.40	1095.076	3826.472	1.431	1.9	-4.8	NO	0.999	NO	bb
5	5	171026M1_6	Standard	5.000	6.39	2960.819	4271.142	3.466	4.7	-5.4	NO	0.999	NO	bb
6	6	171026M1_7	Standard	10.000	6.40	5007.562	3093.651	8.093	11.2	11.9	NO	0.999	NO	bb
7	7	171026M1_8	Standard	50.000	6.40	27038.670	3894.998	34.709	49.5	-1.0	NO	0.999	NO	bb
8	8	171026M1_9	Standard	100.000	6.40	52087.980	3882.136	67.087	99.2	-0.8	NO	0.999	NO	bb
9	9	171026M1_10	Standard	250.000	6.40	137320.813	4546.360	151.023	250.5	0.2	NO	0.999	NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: N-MeFOSE
Correlation coefficient: r = 0.999413, r^2 = 0.998826
Calibration curve: 1.06845 * x + 0.279364
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	1.250	6.23	204.517	20802.461	1.475	1.1	-10.5	NO	0.999	NO	bb
2	2	171026M1_3	Standard	2.500	6.23	398.669	23510.152	2.544	2.1	-15.2	NO	0.999	NO	bb
3	3	171026M1_4	Standard	5.000	6.23	978.670	21267.461	6.903	6.2	24.0	NO	0.999	NO	bb
4	4	171026M1_5	Standard	10.000	6.23	1444.513	21867.092	9.909	9.0	-9.9	NO	0.999	NO	bb
5	5	171026M1_6	Standard	25.000	6.23	3483.212	20238.715	25.816	23.9	-4.4	NO	0.999	NO	bb
6	6	171026M1_7	Standard	50.000	6.23	9478.513	22323.734	63.689	59.3	18.7	NO	0.999	NO	bb
7	7	171026M1_8	Standard	250.000	6.23	32783.449	18689.719	263.113	246.0	-1.6	NO	0.999	NO	bb
8	8	171026M1_9	Standard	500.000	6.23	62656.301	17806.627	527.806	493.7	-1.3	NO	0.999	NO	bb
9	9	171026M1_10	Standard	1250.000	6.23	147733.016	16557.975	1338.325	1252.3	0.2	NO	0.999	NO	bb

Compound name: N-EtFOSE
Correlation coefficient: r = 0.996094, r^2 = 0.992203
Calibration curve: 1.29546 * x + -0.281193
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	1.250	6.38	185.001	18723.795	1.482	1.4	8.9	NO	0.992	NO	bb
2	2	171026M1_3	Standard	2.500	6.38	430.795	21507.340	3.005	2.5	1.5	NO	0.992	NO	bb
3	3	171026M1_4	Standard	5.000	6.38	1034.048	19338.682	8.021	6.4	28.2	NO	0.992	NO	bb
4	4	171026M1_5	Standard	10.000	6.38	1584.456	20850.943	11.398	9.0	-9.8	NO	0.992	NO	bb
5	5	171026M1_6	Standard	25.000	6.38	3160.580	19199.350	24.693	19.3	-22.9	NO	0.992	NO	bb
6	6	171026M1_7	Standard	50.000	6.38	9352.294	21197.688	66.179	51.3	2.6	NO	0.992	NO	bb
7	7	171026M1_8	Standard	250.000	6.38	34461.918	16038.620	322.303	249.0	-0.4	NO	0.992	NO	bb
8	8	171026M1_9	Standard	500.000	6.38	62399.871	16802.908	557.045	430.2	-14.0	NO	0.992	NO	bb
9	9	171026M1_10	Standard	1250.000	6.38	169561.797	14824.236	1715.722	1324.6	6.0	NO	0.992	NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: 13C3-PFBA
Response Factor: 0.927532
RRF SD: 0.0280799, Relative SD: 3.02738
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	1.24	7808.215	8131.078	12.004	12.9	3.5	NO		NO	MM
2	2	171026M1_3	Standard	12.500	1.25	8572.229	9182.603	11.669	12.6	0.6	NO		NO	MM
3	3	171026M1_4	Standard	12.500	1.25	7984.760	8448.222	11.814	12.7	1.9	NO		NO	MM
4	4	171026M1_5	Standard	12.500	1.25	8054.466	8533.363	11.798	12.7	1.8	NO		NO	MM
5	5	171026M1_6	Standard	12.500	1.25	6778.724	7846.642	10.799	11.6	-6.9	NO		NO	bb
6	6	171026M1_7	Standard	12.500	1.23	8629.076	9461.365	11.400	12.3	-1.7	NO		NO	MM
7	7	171026M1_8	Standard	12.500	1.25	7455.317	7997.517	11.653	12.6	0.5	NO		NO	MM
8	8	171026M1_9	Standard	12.500	1.25	7419.347	7885.960	11.760	12.7	1.4	NO		NO	bb
9	9	171026M1_10	Standard	12.500	1.25	6902.076	7535.223	11.450	12.3	-1.2	NO		NO	MM

Compound name: 13C3-PFPeA
Response Factor: 0.756774
RRF SD: 0.0472101, Relative SD: 6.23833
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	2.22	8408.983	10203.109	10.302	13.6	8.9	NO		NO	MM
2	2	171026M1_3	Standard	12.500	2.22	8868.642	12595.204	8.802	11.6	-7.0	NO		NO	MM
3	3	171026M1_4	Standard	12.500	2.22	8877.859	11545.891	9.611	12.7	1.6	NO		NO	MM
4	4	171026M1_5	Standard	12.500	2.23	8596.897	11375.869	9.446	12.5	-0.1	NO		NO	MM
5	5	171026M1_6	Standard	12.500	2.22	7755.411	10076.924	9.620	12.7	1.7	NO		NO	MM
6	6	171026M1_7	Standard	12.500	2.22	9337.942	13109.532	8.904	11.8	-5.9	NO		NO	MM
7	7	171026M1_8	Standard	12.500	2.22	8015.438	11706.181	8.559	11.3	-9.5	NO		NO	MM
8	8	171026M1_9	Standard	12.500	2.22	7838.237	9834.428	9.963	13.2	5.3	NO		NO	MM
9	9	171026M1_10	Standard	12.500	2.23	7562.272	9519.610	9.930	13.1	5.0	NO		NO	MM

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: 13C3-PFBS
Response Factor: 0.0907865
RRF SD: 0.00614258, Relative SD: 6.76596
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171026M1_2	Standard	12.500	2.51	942.759	10203.109	1.155	12.7	1.8	NO		NO	bb
2	2 171026M1_3	Standard	12.500	2.50	1150.455	12595.204	1.142	12.6	0.6	NO		NO	MM
3	3 171026M1_4	Standard	12.500	2.51	1085.497	11545.891	1.175	12.9	3.6	NO		NO	MM
4	4 171026M1_5	Standard	12.500	2.51	1130.237	11375.869	1.242	13.7	9.4	NO		NO	MM
5	5 171026M1_6	Standard	12.500	2.51	946.956	10076.924	1.175	12.9	3.5	NO		NO	bb
6	6 171026M1_7	Standard	12.500	2.51	1107.306	13109.532	1.056	11.6	-7.0	NO		NO	bb
7	7 171026M1_8	Standard	12.500	2.51	930.832	11706.181	0.994	10.9	-12.4	NO		NO	bb
8	8 171026M1_9	Standard	12.500	2.51	937.808	9834.428	1.192	13.1	5.0	NO		NO	bb
9	9 171026M1_10	Standard	12.500	2.51	824.913	9519.610	1.083	11.9	-4.6	NO		NO	bb

Compound name: 13C2-PFHxA
Response Factor: 0.739103
RRF SD: 0.0284957, Relative SD: 3.85545
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171026M1_2	Standard	5.000	3.00	2942.526	10203.109	3.605	4.9	-2.5	NO		NO	bb
2	2 171026M1_3	Standard	5.000	3.00	3685.471	12595.204	3.658	4.9	-1.0	NO		NO	bb
3	3 171026M1_4	Standard	5.000	3.00	3516.192	11545.891	3.807	5.2	3.0	NO		NO	bb
4	4 171026M1_5	Standard	5.000	3.00	3262.653	11375.869	3.585	4.9	-3.0	NO		NO	bb
5	5 171026M1_6	Standard	5.000	3.00	2910.139	10076.924	3.610	4.9	-2.3	NO		NO	bb
6	6 171026M1_7	Standard	5.000	3.00	3962.694	13109.532	3.778	5.1	2.2	NO		NO	bb
7	7 171026M1_8	Standard	5.000	3.00	3263.629	11706.181	3.485	4.7	-5.7	NO		NO	bb
8	8 171026M1_9	Standard	5.000	3.00	3101.273	9834.428	3.942	5.3	6.7	NO		NO	MM
9	9 171026M1_10	Standard	5.000	3.00	2886.449	9519.610	3.790	5.1	2.6	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: 13C4-PFHpA
Response Factor: 0.683724
RRF SD: 0.0365931, Relative SD: 5.35203
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	3.62	6975.456	10203.109	8.546	12.5	-0.0	NO		NO	bb
2	2	171026M1_3	Standard	12.500	3.62	8073.077	12595.204	8.012	11.7	-6.3	NO		NO	bb
3	3	171026M1_4	Standard	12.500	3.62	7874.637	11545.891	8.525	12.5	-0.2	NO		NO	bb
4	4	171026M1_5	Standard	12.500	3.62	7732.312	11375.869	8.496	12.4	-0.6	NO		NO	bb
5	5	171026M1_6	Standard	12.500	3.62	7137.554	10076.924	8.854	12.9	3.6	NO		NO	bb
6	6	171026M1_7	Standard	12.500	3.63	8761.563	13109.532	8.354	12.2	-2.3	NO		NO	bb
7	7	171026M1_8	Standard	12.500	3.62	7381.024	11706.181	7.882	11.5	-7.8	NO		NO	bb
8	8	171026M1_9	Standard	12.500	3.62	7389.083	9834.428	9.392	13.7	9.9	NO		NO	bb
9	9	171026M1_10	Standard	12.500	3.62	6745.937	9519.610	8.858	13.0	3.6	NO		NO	MM

Compound name: 18O2-PFHxS
Response Factor: 0.412387
RRF SD: 0.0275105, Relative SD: 6.67104
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	3.78	852.741	2092.944	5.093	12.3	-1.2	NO		NO	bb
2	2	171026M1_3	Standard	12.500	3.78	950.357	2304.136	5.156	12.5	0.0	NO		NO	bb
3	3	171026M1_4	Standard	12.500	3.78	1000.627	2153.796	5.807	14.1	12.7	NO		NO	bb
4	4	171026M1_5	Standard	12.500	3.78	901.116	2054.447	5.483	13.3	6.4	NO		NO	bb
5	5	171026M1_6	Standard	12.500	3.78	720.817	1888.806	4.770	11.6	-7.5	NO		NO	bb
6	6	171026M1_7	Standard	12.500	3.78	930.634	2284.629	5.092	12.3	-1.2	NO		NO	bb
7	7	171026M1_8	Standard	12.500	3.78	812.195	1956.825	5.188	12.6	0.6	NO		NO	bb
8	8	171026M1_9	Standard	12.500	3.78	788.162	1910.957	5.156	12.5	0.0	NO		NO	bb
9	9	171026M1_10	Standard	12.500	3.78	672.689	1808.740	4.649	11.3	-9.8	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:24:20 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:25:44 Pacific Daylight Time

Compound name: 13C2-6:2 FTS
Response Factor: 0.247918
RRF SD: 0.0352641, Relative SD: 14.2241
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.09	2164.565	9163.441	2.953	11.9	-4.7	NO		NO	MM
2	2	171026M1_3	Standard	12.500	4.09	2370.950	9974.912	2.971	12.0	-4.1	NO		NO	MM
3	3	171026M1_4	Standard	12.500	4.10	2607.028	9625.220	3.386	13.7	9.3	NO		NO	MM
4	4	171026M1_5	Standard	12.500	4.10	2213.204	9702.345	2.851	11.5	-8.0	NO		NO	MM
5	5	171026M1_6	Standard	12.500	4.09	2011.325	8490.614	2.961	11.9	-4.4	NO		NO	MM
6	6	171026M1_7	Standard	12.500	4.10	2322.365	11764.812	2.467	10.0	-20.4	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.10	2423.382	9341.111	3.243	13.1	4.6	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.10	2849.847	8996.989	3.959	16.0	27.8	NO		NO	MM
9	9	171026M1_10	Standard	12.500	4.10	3989.678	8181.460	6.096	24.6	96.7	NO		NO	bbX

Compound name: 13C2-PFOA
Response Factor: 1.12024
RRF SD: 0.0576361, Relative SD: 5.14497
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.15	9078.071	9163.441	12.384	11.1	-11.6	NO		NO	bb
2	2	171026M1_3	Standard	12.500	4.15	11620.861	9974.912	14.563	13.0	4.0	NO		NO	bb
3	3	171026M1_4	Standard	12.500	4.15	11362.964	9625.220	14.757	13.2	5.4	NO		NO	bb
4	4	171026M1_5	Standard	12.500	4.15	10917.326	9702.345	14.065	12.6	0.4	NO		NO	bb
5	5	171026M1_6	Standard	12.500	4.15	9732.542	8490.614	14.328	12.8	2.3	NO		NO	bb
6	6	171026M1_7	Standard	12.500	4.15	12620.936	11764.812	13.410	12.0	-4.2	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.15	10698.399	9341.111	14.316	12.8	2.2	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.15	10016.809	8996.989	13.917	12.4	-0.6	NO		NO	bb
9	9	171026M1_10	Standard	12.500	4.15	9351.515	8181.460	14.288	12.8	2.0	NO		NO	bb

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 26 Oct 2017 08:20:12
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Compound name: 13C5-PFNA
Response Factor: 0.92855
RRF SD: 0.0475421, Relative SD: 5.12003
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.59	10432.768	11155.522	11.690	12.6	0.7	NO		NO	bb
2	2	171026M1_3	Standard	12.500	4.59	10776.714	11986.115	11.239	12.1	-3.2	NO		NO	bb
3	3	171026M1_4	Standard	12.500	4.59	10136.376	10054.865	12.601	13.6	8.6	NO		NO	bb
4	4	171026M1_5	Standard	12.500	4.59	9401.615	10542.347	11.147	12.0	-4.0	NO		NO	bb
5	5	171026M1_6	Standard	12.500	4.59	8632.302	9806.811	11.003	11.8	-5.2	NO		NO	bb
6	6	171026M1_7	Standard	12.500	4.59	10614.531	11208.414	11.838	12.7	2.0	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.59	9136.932	10537.382	10.839	11.7	-6.6	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.59	9445.277	9958.859	11.855	12.8	2.1	NO		NO	bb
9	9	171026M1_10	Standard	12.500	4.59	8871.991	9053.401	12.250	13.2	5.5	NO		NO	bb

Compound name: 13C8-PFOSA
Response Factor: 0.24645
RRF SD: 0.0130448, Relative SD: 5.29309
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.64	2860.033	11341.706	3.152	12.8	2.3	NO		NO	bb
2	2	171026M1_3	Standard	12.500	4.64	2971.727	12520.988	2.967	12.0	-3.7	NO		NO	bb
3	3	171026M1_4	Standard	12.500	4.65	3347.137	13233.268	3.162	12.8	2.6	NO		NO	bb
4	4	171026M1_5	Standard	12.500	4.65	3119.570	13777.145	2.830	11.5	-8.1	NO		NO	bb
5	5	171026M1_6	Standard	12.500	4.64	2616.420	10608.499	3.083	12.5	0.1	NO		NO	bb
6	6	171026M1_7	Standard	12.500	4.65	3417.714	13855.948	3.083	12.5	0.1	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.65	3010.790	13032.397	2.888	11.7	-6.3	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.65	2679.938	10013.455	3.345	13.6	8.6	NO		NO	bb
9	9	171026M1_10	Standard	12.500	4.64	2509.948	9757.946	3.215	13.0	4.4	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: 13C8-PFOS
Response Factor: 1.02732
RRF SD: 0.0754427, Relative SD: 7.34362
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.68	2514.781	2234.531	14.068	13.7	9.5	NO		NO	bb
2	2	171026M1_3	Standard	12.500	4.68	2269.787	2402.855	11.808	11.5	-8.1	NO		NO	bb
3	3	171026M1_4	Standard	12.500	4.68	2388.392	2260.597	13.207	12.9	2.8	NO		NO	bb
4	4	171026M1_5	Standard	12.500	4.68	2373.570	2315.592	12.813	12.5	-0.2	NO		NO	bb
5	5	171026M1_6	Standard	12.500	4.68	2090.799	1986.232	13.158	12.8	2.5	NO		NO	bb
6	6	171026M1_7	Standard	12.500	4.68	2570.850	2506.243	12.822	12.5	-0.2	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.68	2064.157	2328.353	11.082	10.8	-13.7	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.68	2233.150	2003.810	13.931	13.6	8.5	NO		NO	bb
9	9	171026M1_10	Standard	12.500	4.68	1965.412	1936.583	12.686	12.3	-1.2	NO		NO	bb

Compound name: 13C2-PFDA
Response Factor: 0.945709
RRF SD: 0.0821174, Relative SD: 8.68316
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.97	9937.673	9533.811	13.030	13.8	10.2	NO		NO	bb
2	2	171026M1_3	Standard	12.500	4.97	10867.054	12756.174	10.649	11.3	-9.9	NO		NO	bb
3	3	171026M1_4	Standard	12.500	4.97	10060.540	9677.285	12.995	13.7	9.9	NO		NO	bb
4	4	171026M1_5	Standard	12.500	4.97	10558.938	11273.634	11.708	12.4	-1.0	NO		NO	bb
5	5	171026M1_6	Standard	12.500	4.97	9200.564	10655.413	10.793	11.4	-8.7	NO		NO	bb
6	6	171026M1_7	Standard	12.500	4.98	12043.707	12000.405	12.545	13.3	6.1	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.97	9506.485	11033.647	10.770	11.4	-8.9	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.97	9169.604	10335.311	11.090	11.7	-6.2	NO		NO	bb
9	9	171026M1_10	Standard	12.500	4.97	9033.771	8813.177	12.813	13.5	8.4	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: 13C2-8:2 FTS
Response Factor: 0.171094
RRF SD: 0.0340588, Relative SD: 19.9065
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.94	1790.163	9533.811	2.347	13.7	9.7	NO		NO	MM
2	2	171026M1_3	Standard	12.500	4.94	1649.670	12756.174	1.617	9.4	-24.4	NO		NO	bb
3	3	171026M1_4	Standard	12.500	4.94	1643.484	9677.285	2.123	12.4	-0.7	NO		NO	bb
4	4	171026M1_5	Standard	12.500	4.94	1512.175	11273.634	1.677	9.8	-21.6	NO		NO	bb
5	5	171026M1_6	Standard	12.500	4.94	1698.864	10655.413	1.993	11.6	-6.8	NO		NO	bb
6	6	171026M1_7	Standard	12.500	4.94	1959.247	12000.405	2.041	11.9	-4.6	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.94	2085.414	11033.647	2.363	13.8	10.5	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.94	2439.029	10335.311	2.950	17.2	37.9	NO		NO	MM
9	9	171026M1_10	Standard	12.500	4.94	3475.574	8813.177	4.930	28.8	130.5	NO		NO	bbX

Compound name: d3-N-MeFOSAA
Response Factor: 0.357633
RRF SD: 0.0388742, Relative SD: 10.8699
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	5.12	4283.565	11341.706	4.721	13.2	5.6	NO		NO	bb
2	2	171026M1_3	Standard	12.500	5.12	4531.096	12520.988	4.524	12.6	1.2	NO		NO	bb
3	3	171026M1_4	Standard	12.500	5.12	4244.738	13233.268	4.010	11.2	-10.3	NO		NO	bb
4	4	171026M1_5	Standard	12.500	5.12	4230.691	13777.145	3.839	10.7	-14.1	NO		NO	bb
5	5	171026M1_6	Standard	12.500	5.12	3763.122	10608.499	4.434	12.4	-0.8	NO		NO	bb
6	6	171026M1_7	Standard	12.500	5.13	5027.620	13855.948	4.536	12.7	1.5	NO		NO	bb
7	7	171026M1_8	Standard	12.500	5.13	4070.543	13032.397	3.904	10.9	-12.7	NO		NO	bb
8	8	171026M1_9	Standard	12.500	5.13	4156.273	10013.455	5.188	14.5	16.1	NO		NO	bb
9	9	171026M1_10	Standard	12.500	5.12	3964.672	9757.946	5.079	14.2	13.6	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: d5-N-EtFOSAA
Response Factor: 0.359693
RRF SD: 0.0347331, Relative SD: 9.65633
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	5.28	4328.346	11341.706	4.770	13.3	6.1	NO		NO	bb
2	2	171026M1_3	Standard	12.500	5.28	4608.545	12520.988	4.601	12.8	2.3	NO		NO	bb
3	3	171026M1_4	Standard	12.500	5.28	4596.165	13233.268	4.341	12.1	-3.4	NO		NO	bb
4	4	171026M1_5	Standard	12.500	5.28	4598.011	13777.145	4.172	11.6	-7.2	NO		NO	bb
5	5	171026M1_6	Standard	12.500	5.28	4056.309	10608.499	4.780	13.3	6.3	NO		NO	bb
6	6	171026M1_7	Standard	12.500	5.28	4795.402	13855.948	4.326	12.0	-3.8	NO		NO	bb
7	7	171026M1_8	Standard	12.500	5.28	3860.981	13032.397	3.703	10.3	-17.6	NO		NO	bb
8	8	171026M1_9	Standard	12.500	5.28	4197.738	10013.455	5.240	14.6	16.5	NO		NO	bb
9	9	171026M1_10	Standard	12.500	5.28	3537.789	9757.946	4.532	12.6	0.8	NO		NO	bb

Compound name: 13C2-PFUdA
Response Factor: 1.04482
RRF SD: 0.0695142, Relative SD: 6.65325
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	5.30	11922.407	11341.706	13.140	12.6	0.6	NO		NO	bb
2	2	171026M1_3	Standard	12.500	5.30	14098.658	12520.988	14.075	13.5	7.8	NO		NO	MM
3	3	171026M1_4	Standard	12.500	5.30	14676.305	13233.268	13.863	13.3	6.1	NO		NO	MM
4	4	171026M1_5	Standard	12.500	5.30	13559.280	13777.145	12.302	11.8	-5.8	NO		NO	MM
5	5	171026M1_6	Standard	12.500	5.30	11695.059	10608.499	13.780	13.2	5.5	NO		NO	MM
6	6	171026M1_7	Standard	12.500	5.30	12899.332	13855.948	11.637	11.1	-10.9	NO		NO	MM
7	7	171026M1_8	Standard	12.500	5.30	12601.697	13032.397	12.087	11.6	-7.5	NO		NO	bb
8	8	171026M1_9	Standard	12.500	5.30	10458.104	10013.455	13.055	12.5	-0.0	NO		NO	bb
9	9	171026M1_10	Standard	12.500	5.30	10618.298	9757.946	13.602	13.0	4.1	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: 13C2-PFDoA
Response Factor: 1.14113
RRF SD: 0.0738866, Relative SD: 6.47484
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	5.59	13820.625	11341.706	15.232	13.3	6.8	NO		NO	bb
2	2	171026M1_3	Standard	12.500	5.59	14554.974	12520.988	14.531	12.7	1.9	NO		NO	bb
3	3	171026M1_4	Standard	12.500	5.59	14053.078	13233.268	13.274	11.6	-6.9	NO		NO	bb
4	4	171026M1_5	Standard	12.500	5.59	13740.559	13777.145	12.467	10.9	-12.6	NO		NO	bb
5	5	171026M1_6	Standard	12.500	5.59	12183.269	10608.499	14.356	12.6	0.6	NO		NO	bb
6	6	171026M1_7	Standard	12.500	5.59	16125.540	13855.948	14.547	12.7	2.0	NO		NO	bb
7	7	171026M1_8	Standard	12.500	5.59	14441.244	13032.397	13.851	12.1	-2.9	NO		NO	bb
8	8	171026M1_9	Standard	12.500	5.59	12225.404	10013.455	15.261	13.4	7.0	NO		NO	bb
9	9	171026M1_10	Standard	12.500	5.59	11598.803	9757.946	14.858	13.0	4.2	NO		NO	bb

Compound name: d3-N-MeFOSA
Response Factor: 0.0934516
RRF SD: 0.00993873, Relative SD: 10.6352
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	150.000	5.62	13893.939	11341.706	15.313	163.9	9.2	NO		NO	bb
2	2	171026M1_3	Standard	150.000	5.62	15405.037	12520.988	15.379	164.6	9.7	NO		NO	bb
3	3	171026M1_4	Standard	150.000	5.62	14020.292	13233.268	13.243	141.7	-5.5	NO		NO	bb
4	4	171026M1_5	Standard	150.000	5.63	13929.710	13777.145	12.638	135.2	-9.8	NO		NO	bb
5	5	171026M1_6	Standard	150.000	5.62	12908.811	10608.499	15.210	162.8	8.5	NO		NO	bd
6	6	171026M1_7	Standard	150.000	5.63	13491.567	13855.948	12.171	130.2	-13.2	NO		NO	bb
7	7	171026M1_8	Standard	150.000	5.63	12434.965	13032.397	11.927	127.6	-14.9	NO		NO	bb
8	8	171026M1_9	Standard	150.000	5.63	12026.860	10013.455	15.013	160.7	7.1	NO		NO	bb
9	9	171026M1_10	Standard	150.000	5.63	11915.382	9757.946	15.264	163.3	8.9	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: 13C2-PFTeDA
Response Factor: 0.933898
RRF SD: 0.108658, Relative SD: 11.6349
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171026M1_2	Standard	12.500	6.06	9377.037	11341.706	10.335	11.1	-11.5	NO		NO	bb
2	2 171026M1_3	Standard	12.500	6.06	10575.495	12520.988	10.558	11.3	-9.6	NO		NO	bb
3	3 171026M1_4	Standard	12.500	6.06	10644.371	13233.268	10.055	10.8	-13.9	NO		NO	bb
4	4 171026M1_5	Standard	12.500	6.06	11884.834	13777.145	10.783	11.5	-7.6	NO		NO	bb
5	5 171026M1_6	Standard	12.500	6.06	10706.537	10608.499	12.616	13.5	8.1	NO		NO	bb
6	6 171026M1_7	Standard	12.500	6.06	12533.464	13855.948	11.307	12.1	-3.1	NO		NO	bb
7	7 171026M1_8	Standard	12.500	6.06	13048.656	13032.397	12.516	13.4	7.2	NO		NO	bb
8	8 171026M1_9	Standard	12.500	6.07	11072.916	10013.455	13.823	14.8	18.4	NO		NO	bb
9	9 171026M1_10	Standard	12.500	6.06	10205.076	9757.946	13.073	14.0	12.0	NO		NO	bb

Compound name: d5-N-ETFOSA
Response Factor: 0.132054
RRF SD: 0.0131962, Relative SD: 9.99304
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171026M1_2	Standard	150.000	6.04	19832.848	11341.706	21.858	165.5	10.4	NO		NO	bb
2	2 171026M1_3	Standard	150.000	6.04	21744.625	12520.988	21.708	164.4	9.6	NO		NO	bb
3	3 171026M1_4	Standard	150.000	6.04	20019.549	13233.268	18.910	143.2	-4.5	NO		NO	bb
4	4 171026M1_5	Standard	150.000	6.04	19708.096	13777.145	17.881	135.4	-9.7	NO		NO	bb
5	5 171026M1_6	Standard	150.000	6.04	19092.957	10608.499	22.497	170.4	13.6	NO		NO	bb
6	6 171026M1_7	Standard	150.000	6.04	19619.416	13855.948	17.699	134.0	-10.6	NO		NO	bb
7	7 171026M1_8	Standard	150.000	6.04	18301.496	13032.397	17.554	132.9	-11.4	NO		NO	bb
8	8 171026M1_9	Standard	150.000	6.04	16908.625	10013.455	21.107	159.8	6.6	NO		NO	bb
9	9 171026M1_10	Standard	150.000	6.04	14876.408	9757.946	19.057	144.3	-3.8	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: 13C2-PFHxDA
Response Factor: 0.809323
RRF SD: 0.161699, Relative SD: 19.9795
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	5.000	6.39	4102.797	11341.706	4.522	5.6	11.7	NO		NO	MM
2	2	171026M1_3	Standard	5.000	6.39	4597.595	12520.988	4.590	5.7	13.4	NO		NO	MM
3	3	171026M1_4	Standard	5.000	6.39	3582.335	13233.268	3.384	4.2	-16.4	NO		NO	MM
4	4	171026M1_5	Standard	5.000	6.40	3826.472	13777.145	3.472	4.3	-14.2	NO		NO	MM
5	5	171026M1_6	Standard	5.000	6.39	4271.142	10608.499	5.033	6.2	24.4	NO		NO	MM
6	6	171026M1_7	Standard	5.000	6.40	3093.651	13855.948	2.791	3.4	-31.0	NO		NO	MM
7	7	171026M1_8	Standard	5.000	6.39	3894.998	13032.397	3.736	4.6	-7.7	NO		NO	MM
8	8	171026M1_9	Standard	5.000	6.40	3882.136	10013.455	4.846	6.0	19.8	NO		NO	MM
9	9	171026M1_10	Standard	5.000	6.40	4546.360	9757.946	5.824	7.2	43.9	NO		NO	MMX

Compound name: d7-N-MeFOSE
Response Factor: 0.141984
RRF SD: 0.013133, Relative SD: 9.24964
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	150.000	6.22	20802.461	11341.706	22.927	161.5	7.7	NO		NO	bb
2	2	171026M1_3	Standard	150.000	6.22	23510.152	12520.988	23.471	165.3	10.2	NO		NO	bb
3	3	171026M1_4	Standard	150.000	6.22	21267.461	13233.268	20.089	141.5	-5.7	NO		NO	bb
4	4	171026M1_5	Standard	150.000	6.22	21867.092	13777.145	19.840	139.7	-6.8	NO		NO	bb
5	5	171026M1_6	Standard	150.000	6.22	20238.715	10608.499	23.847	168.0	12.0	NO		NO	bb
6	6	171026M1_7	Standard	150.000	6.22	22323.734	13855.948	20.139	141.8	-5.4	NO		NO	bb
7	7	171026M1_8	Standard	150.000	6.22	18689.719	13032.397	17.926	126.3	-15.8	NO		NO	bb
8	8	171026M1_9	Standard	150.000	6.22	17806.627	10013.455	22.228	156.6	4.4	NO		NO	bb
9	9	171026M1_10	Standard	150.000	6.22	16557.975	9757.946	21.211	149.4	-0.4	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: d9-N-EtFOSE
Response Factor: 0.130657
RRF SD: 0.014186, Relative SD: 10.8574
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171026M1_2	Standard	150.000	6.37	18723.795	11341.706	20.636	157.9	5.3	NO		NO	bb
2	2 171026M1_3	Standard	150.000	6.37	21507.340	12520.988	21.471	164.3	9.6	NO		NO	bb
3	3 171026M1_4	Standard	150.000	6.37	19338.682	13233.268	18.267	139.8	-6.8	NO		NO	bb
4	4 171026M1_5	Standard	150.000	6.37	20850.943	13777.145	18.918	144.8	-3.5	NO		NO	bb
5	5 171026M1_6	Standard	150.000	6.37	19199.350	10608.499	22.623	173.1	15.4	NO		NO	bb
6	6 171026M1_7	Standard	150.000	6.37	21197.688	13855.948	19.123	146.4	-2.4	NO		NO	bb
7	7 171026M1_8	Standard	150.000	6.37	16038.620	13032.397	15.383	117.7	-21.5	NO		NO	bb
8	8 171026M1_9	Standard	150.000	6.37	16802.908	10013.455	20.975	160.5	7.0	NO		NO	bb
9	9 171026M1_10	Standard	150.000	6.37	14824.236	9757.946	18.990	145.3	-3.1	NO		NO	bb

Compound name: 13C4-PFBA
Response Factor: 1
RRF SD: 8.77708e-017, Relative SD: 8.77708e-015
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171026M1_2	Standard	12.500	1.24	8131.078	8131.078	12.500	12.5	0.0	NO		NO	bb
2	2 171026M1_3	Standard	12.500	1.25	9182.603	9182.603	12.500	12.5	0.0	NO		NO	bb
3	3 171026M1_4	Standard	12.500	1.25	8448.222	8448.222	12.500	12.5	0.0	NO		NO	bb
4	4 171026M1_5	Standard	12.500	1.25	8533.363	8533.363	12.500	12.5	0.0	NO		NO	bb
5	5 171026M1_6	Standard	12.500	1.25	7846.642	7846.642	12.500	12.5	0.0	NO		NO	bb
6	6 171026M1_7	Standard	12.500	1.23	9461.365	9461.365	12.500	12.5	0.0	NO		NO	bb
7	7 171026M1_8	Standard	12.500	1.25	7997.517	7997.517	12.500	12.5	0.0	NO		NO	bb
8	8 171026M1_9	Standard	12.500	1.25	7885.960	7885.960	12.500	12.5	0.0	NO		NO	bb
9	9 171026M1_10	Standard	12.500	1.25	7535.223	7535.223	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: 13C5-PFHxA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171026M1_2	Standard	12.500	3.00	10203.109	10203.109	12.500	12.5	0.0	NO		NO	bb
2	2 171026M1_3	Standard	12.500	3.00	12595.204	12595.204	12.500	12.5	0.0	NO		NO	bb
3	3 171026M1_4	Standard	12.500	3.00	11545.891	11545.891	12.500	12.5	0.0	NO		NO	bb
4	4 171026M1_5	Standard	12.500	3.00	11375.869	11375.869	12.500	12.5	0.0	NO		NO	bb
5	5 171026M1_6	Standard	12.500	3.00	10076.924	10076.924	12.500	12.5	0.0	NO		NO	bb
6	6 171026M1_7	Standard	12.500	3.00	13109.532	13109.532	12.500	12.5	0.0	NO		NO	bb
7	7 171026M1_8	Standard	12.500	3.00	11706.181	11706.181	12.500	12.5	0.0	NO		NO	bb
8	8 171026M1_9	Standard	12.500	3.00	9834.428	9834.428	12.500	12.5	0.0	NO		NO	bb
9	9 171026M1_10	Standard	12.500	3.00	9519.610	9519.610	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C3-PFHxS
Response Factor: 1
RRF SD: 7.85046e-017, Relative SD: 7.85046e-015
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: RF

	# Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1 171026M1_2	Standard	12.500	3.77	2092.944	2092.944	12.500	12.5	0.0	NO		NO	bb
2	2 171026M1_3	Standard	12.500	3.78	2304.136	2304.136	12.500	12.5	0.0	NO		NO	bb
3	3 171026M1_4	Standard	12.500	3.77	2153.796	2153.796	12.500	12.5	0.0	NO		NO	bb
4	4 171026M1_5	Standard	12.500	3.78	2054.447	2054.447	12.500	12.5	0.0	NO		NO	bb
5	5 171026M1_6	Standard	12.500	3.78	1888.806	1888.806	12.500	12.5	0.0	NO		NO	bb
6	6 171026M1_7	Standard	12.500	3.78	2284.629	2284.629	12.500	12.5	0.0	NO		NO	bb
7	7 171026M1_8	Standard	12.500	3.78	1956.825	1956.825	12.500	12.5	0.0	NO		NO	bb
8	8 171026M1_9	Standard	12.500	3.78	1910.957	1910.957	12.500	12.5	0.0	NO		NO	bb
9	9 171026M1_10	Standard	12.500	3.78	1808.740	1808.740	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: 13C8-PFOA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 57), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.15	9163.441	9163.441	12.500	12.5	0.0	NO		NO	bb
2	2	171026M1_3	Standard	12.500	4.15	9974.912	9974.912	12.500	12.5	0.0	NO		NO	bb
3	3	171026M1_4	Standard	12.500	4.15	9625.220	9625.220	12.500	12.5	0.0	NO		NO	bb
4	4	171026M1_5	Standard	12.500	4.15	9702.345	9702.345	12.500	12.5	0.0	NO		NO	bb
5	5	171026M1_6	Standard	12.500	4.15	8490.614	8490.614	12.500	12.5	0.0	NO		NO	bb
6	6	171026M1_7	Standard	12.500	4.15	11764.812	11764.812	12.500	12.5	0.0	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.15	9341.111	9341.111	12.500	12.5	0.0	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.15	8996.989	8996.989	12.500	12.5	0.0	NO		NO	bb
9	9	171026M1_10	Standard	12.500	4.15	8181.460	8181.460	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C9-PFNA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.59	11155.522	11155.522	12.500	12.5	0.0	NO		NO	bb
2	2	171026M1_3	Standard	12.500	4.59	11986.115	11986.115	12.500	12.5	0.0	NO		NO	bb
3	3	171026M1_4	Standard	12.500	4.59	10054.865	10054.865	12.500	12.5	0.0	NO		NO	bb
4	4	171026M1_5	Standard	12.500	4.59	10542.347	10542.347	12.500	12.5	0.0	NO		NO	bb
5	5	171026M1_6	Standard	12.500	4.59	9806.811	9806.811	12.500	12.5	0.0	NO		NO	bb
6	6	171026M1_7	Standard	12.500	4.59	11208.414	11208.414	12.500	12.5	0.0	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.59	10537.382	10537.382	12.500	12.5	0.0	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.59	9958.859	9958.859	12.500	12.5	0.0	NO		NO	bb
9	9	171026M1_10	Standard	12.500	4.59	9053.401	9053.401	12.500	12.5	0.0	NO		NO	bb

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: 13C4-PFOS
Response Factor: 1
RRF SD: 1.17757e-016, Relative SD: 1.17757e-014
Response type: Internal Std (Ref 59), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.68	2234.531	2234.531	12.500	12.5	0.0	NO		NO	bb
2	2	171026M1_3	Standard	12.500	4.68	2402.855	2402.855	12.500	12.5	0.0	NO		NO	bb
3	3	171026M1_4	Standard	12.500	4.68	2260.597	2260.597	12.500	12.5	0.0	NO		NO	bb
4	4	171026M1_5	Standard	12.500	4.68	2315.592	2315.592	12.500	12.5	0.0	NO		NO	bb
5	5	171026M1_6	Standard	12.500	4.68	1986.232	1986.232	12.500	12.5	0.0	NO		NO	bb
6	6	171026M1_7	Standard	12.500	4.68	2506.243	2506.243	12.500	12.5	0.0	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.68	2328.353	2328.353	12.500	12.5	0.0	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.68	2003.810	2003.810	12.500	12.5	0.0	NO		NO	bb
9	9	171026M1_10	Standard	12.500	4.68	1936.583	1936.583	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C6-PFDA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 60), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	4.97	9533.811	9533.811	12.500	12.5	0.0	NO		NO	bb
2	2	171026M1_3	Standard	12.500	4.97	12756.174	12756.174	12.500	12.5	0.0	NO		NO	bb
3	3	171026M1_4	Standard	12.500	4.97	9677.285	9677.285	12.500	12.5	0.0	NO		NO	bb
4	4	171026M1_5	Standard	12.500	4.97	11273.634	11273.634	12.500	12.5	0.0	NO		NO	bb
5	5	171026M1_6	Standard	12.500	4.97	10655.413	10655.413	12.500	12.5	0.0	NO		NO	bb
6	6	171026M1_7	Standard	12.500	4.97	12000.405	12000.405	12.500	12.5	0.0	NO		NO	bb
7	7	171026M1_8	Standard	12.500	4.97	11033.647	11033.647	12.500	12.5	0.0	NO		NO	bb
8	8	171026M1_9	Standard	12.500	4.97	10335.311	10335.311	12.500	12.5	0.0	NO		NO	bb
9	9	171026M1_10	Standard	12.500	4.97	8813.177	8813.177	12.500	12.5	0.0	NO		NO	bb

Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:36:18 Pacific Daylight Time

Compound name: 13C7-PFUnA
Response Factor: 1
RRF SD: 5.55112e-017, Relative SD: 5.55112e-015
Response type: Internal Std (Ref 61), Area * (IS Conc. / IS Area)
Curve type: RF

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	171026M1_2	Standard	12.500	5.30	11341.706	11341.706	12.500	12.5	0.0	NO		NO	bb
2	2	171026M1_3	Standard	12.500	5.30	12520.988	12520.988	12.500	12.5	0.0	NO		NO	bb
3	3	171026M1_4	Standard	12.500	5.30	13233.268	13233.268	12.500	12.5	0.0	NO		NO	bb
4	4	171026M1_5	Standard	12.500	5.30	13777.145	13777.145	12.500	12.5	0.0	NO		NO	bb
5	5	171026M1_6	Standard	12.500	5.30	10608.499	10608.499	12.500	12.5	0.0	NO		NO	bb
6	6	171026M1_7	Standard	12.500	5.30	13855.948	13855.948	12.500	12.5	0.0	NO		NO	MM
7	7	171026M1_8	Standard	12.500	5.30	13032.397	13032.397	12.500	12.5	0.0	NO		NO	MM
8	8	171026M1_9	Standard	12.500	5.30	10013.455	10013.455	12.500	12.5	0.0	NO		NO	MM
9	9	171026M1_10	Standard	12.500	5.30	9757.946	9757.946	12.500	12.5	0.0	NO		NO	bb

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Friday, October 27, 2017 08:48:34 Pacific Daylight Time
Printed: Friday, October 27, 2017 08:48:47 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 26 Oct 2017 08:20:12
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 26 Oct 2017 16:54:06

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	171026M1_1	IPA	26-Oct-17	09:14:50
2	171026M1_2	ST171026M1-1 PFC CS-2 17I3006	26-Oct-17	09:26:00
3	171026M1_3	ST171026M1-2 PFC CS-1 17I3007	26-Oct-17	09:37:20
4	171026M1_4	ST171026M1-3 PFC CS0 17J1805	26-Oct-17	09:48:39
5	171026M1_5	ST171026M1-4 PFC CS1 17I3009	26-Oct-17	09:59:50
6	171026M1_6	ST171026M1-5 PFC CS2 17J2519	26-Oct-17	10:11:00
7	171026M1_7	ST171026M1-6 PFC CS3 17J1806	26-Oct-17	10:22:11
8	171026M1_8	ST171026M1-7 PFC CS4 17J2102	26-Oct-17	10:33:24
9	171026M1_9	ST171026M1-8 PFC CS5 17J2101	26-Oct-17	10:44:36
10	171026M1_10	ST171026M1-9 PFC CS6 17J2517	26-Oct-17	10:55:46
11	171026M1_11	ST171026M1-10 PFC CS7 17J2518	26-Oct-17	11:07:20
12	171026M1_12	IPA	26-Oct-17	11:18:50
13	171026M1_13	ICV171026M1-1 PFC ICV 17I3003	26-Oct-17	11:30:01
14	171026M1_14	IPA	26-Oct-17	11:41:12

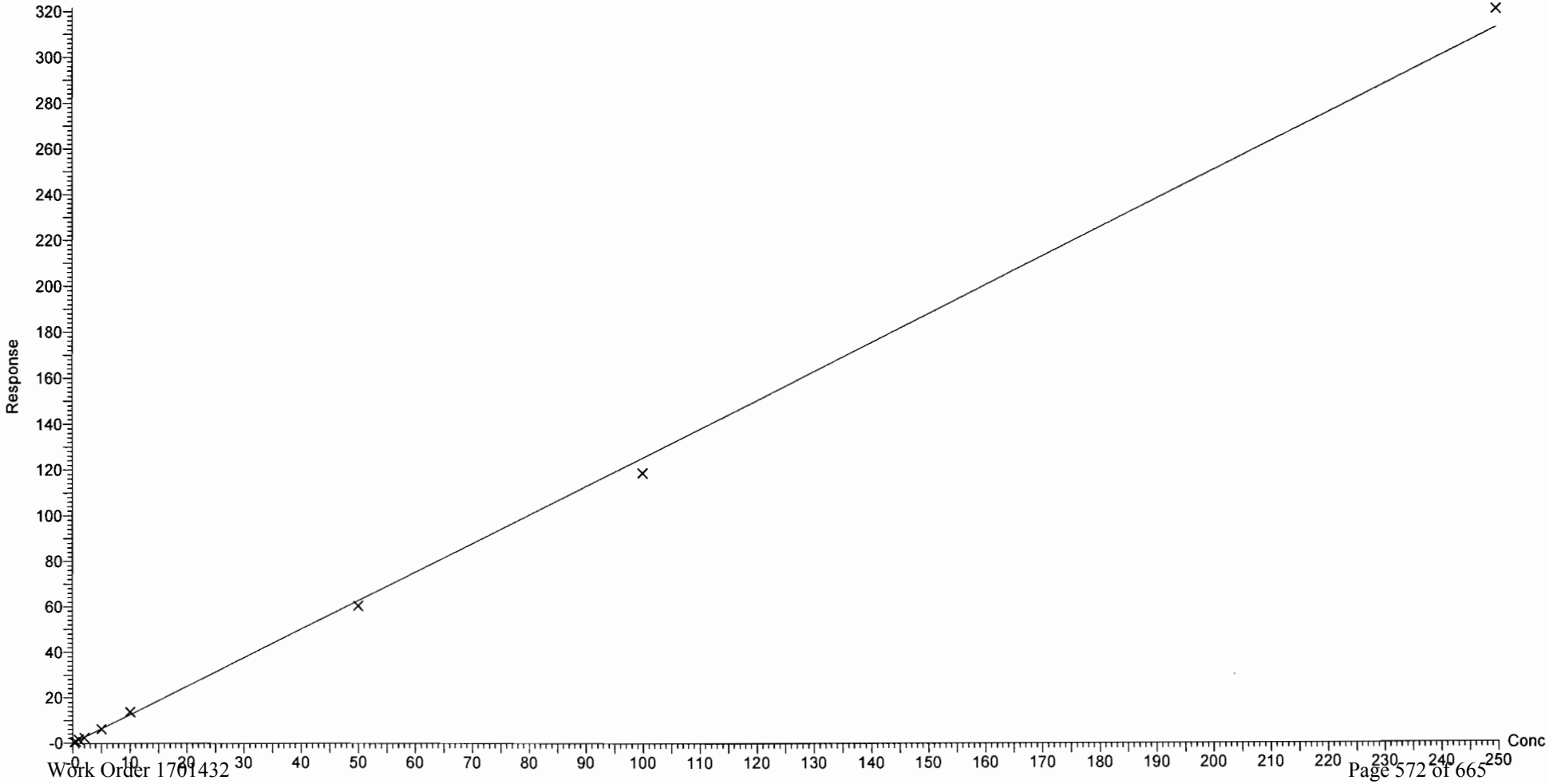
Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 26 Oct 2017 08:20:12
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

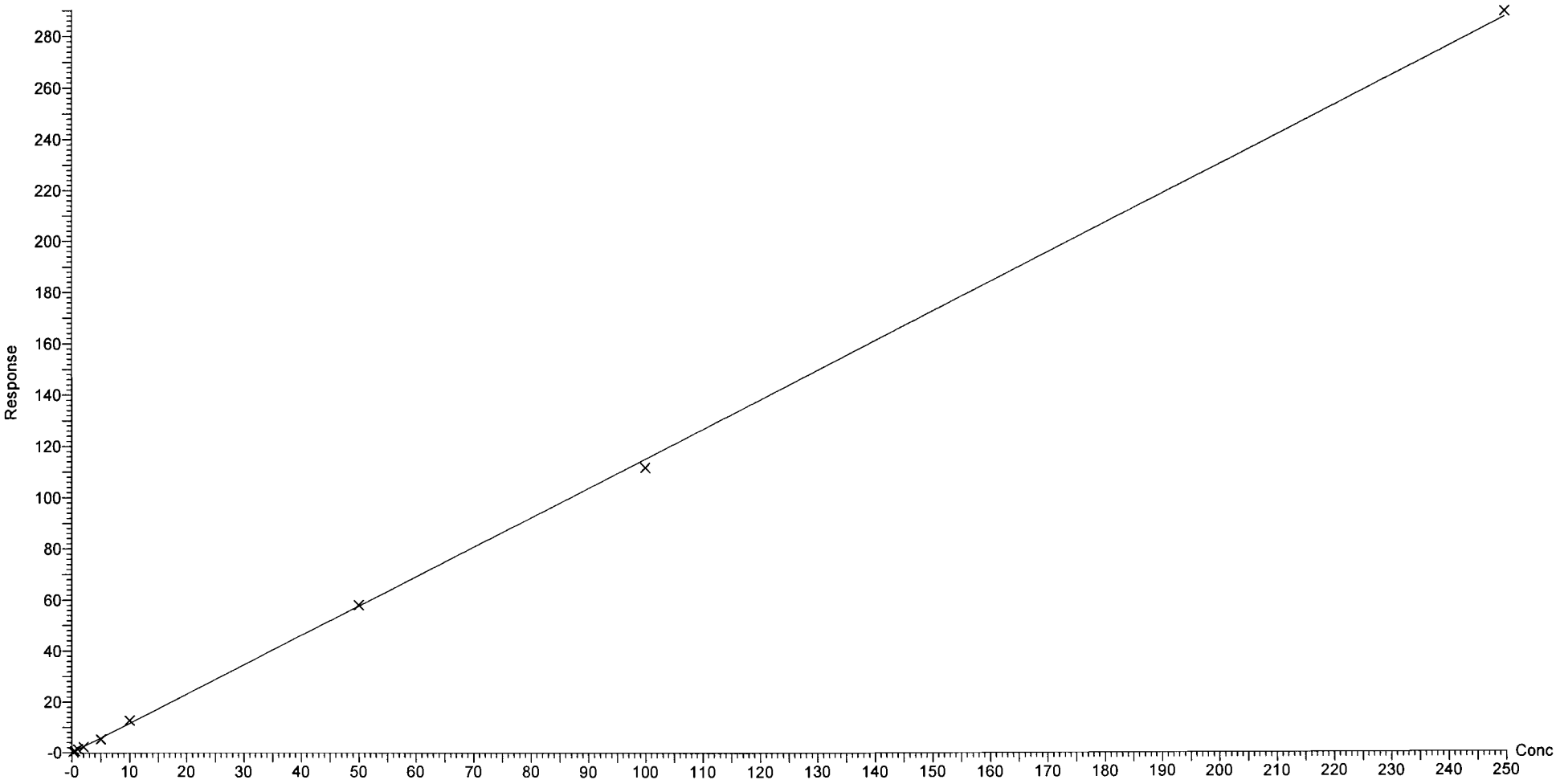
Compound name: PFBA
Correlation coefficient: r = 0.999162, r^2 = 0.998324
Calibration curve: 1.25384 * x + -0.0149356
Response type: Internal Std (Ref 31), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

Compound name: PFPeA
Correlation coefficient: r = 0.999675, r^2 = 0.999351
Calibration curve: 1.1515 * x + 0.0271081
Response type: Internal Std (Ref 32), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

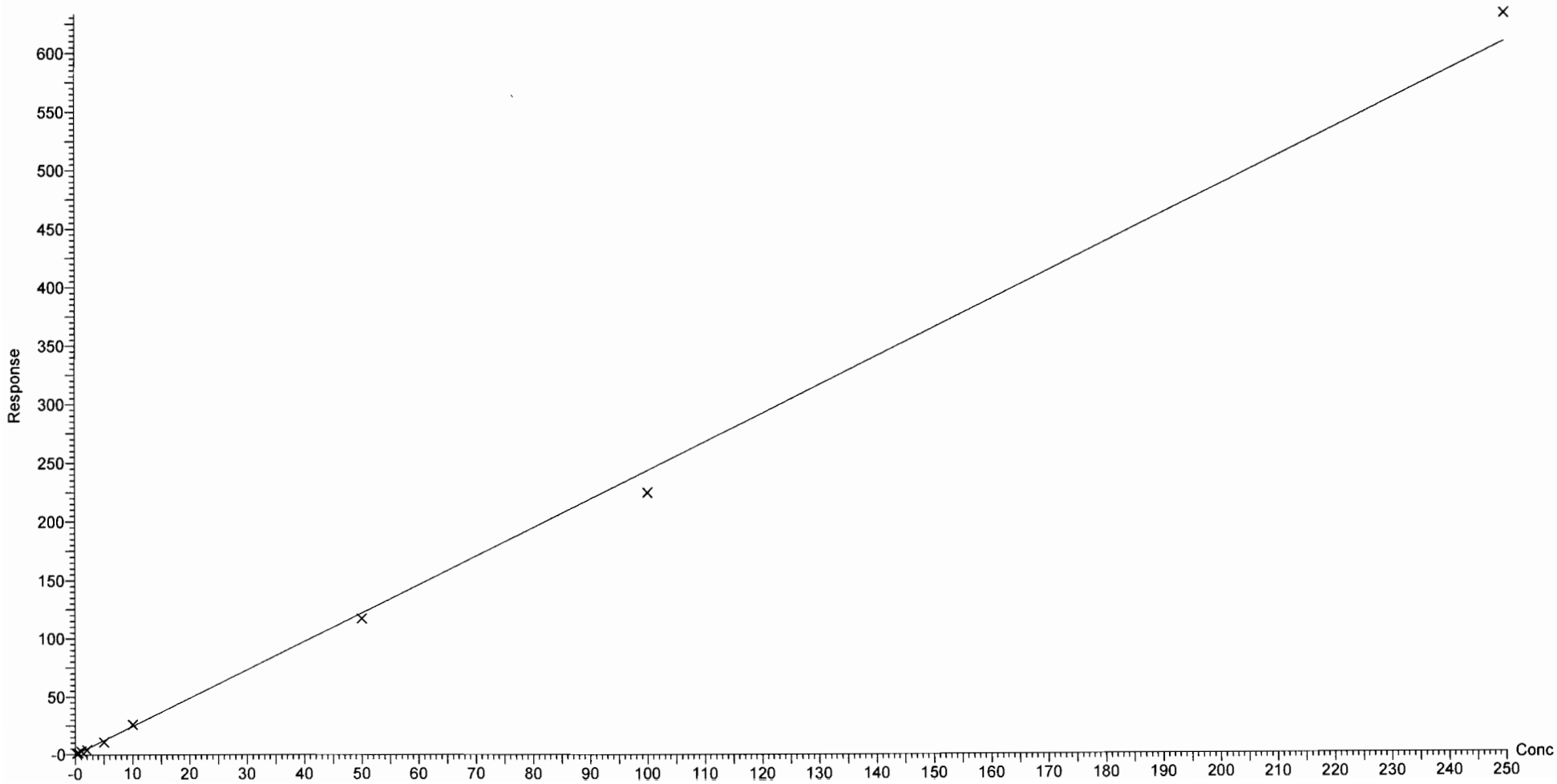


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

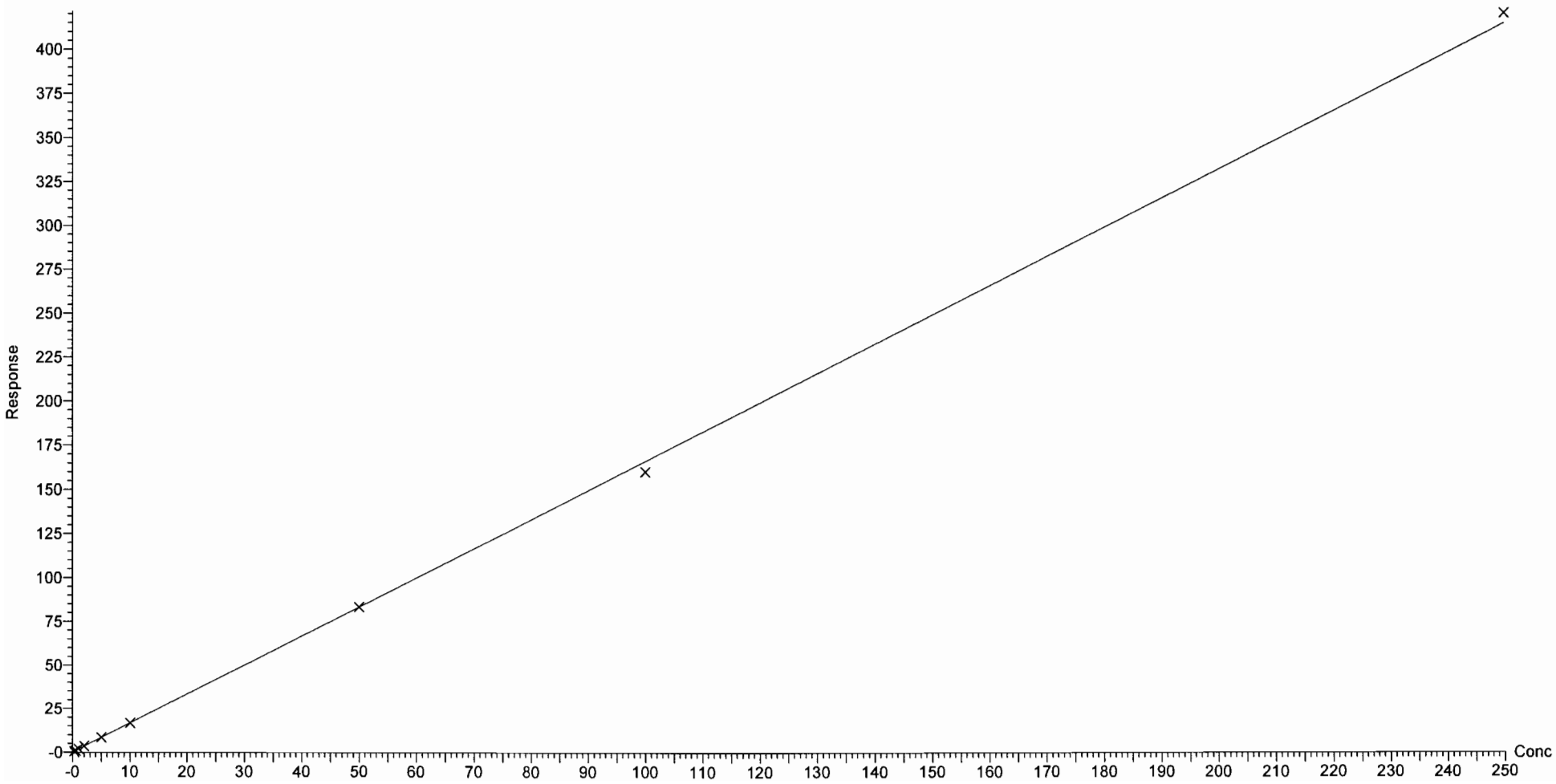
Compound name: PFBS
Correlation coefficient: r = 0.998426, r^2 = 0.996854
Calibration curve: 2.43502 * x + 0.00496287
Response type: Internal Std (Ref 33), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

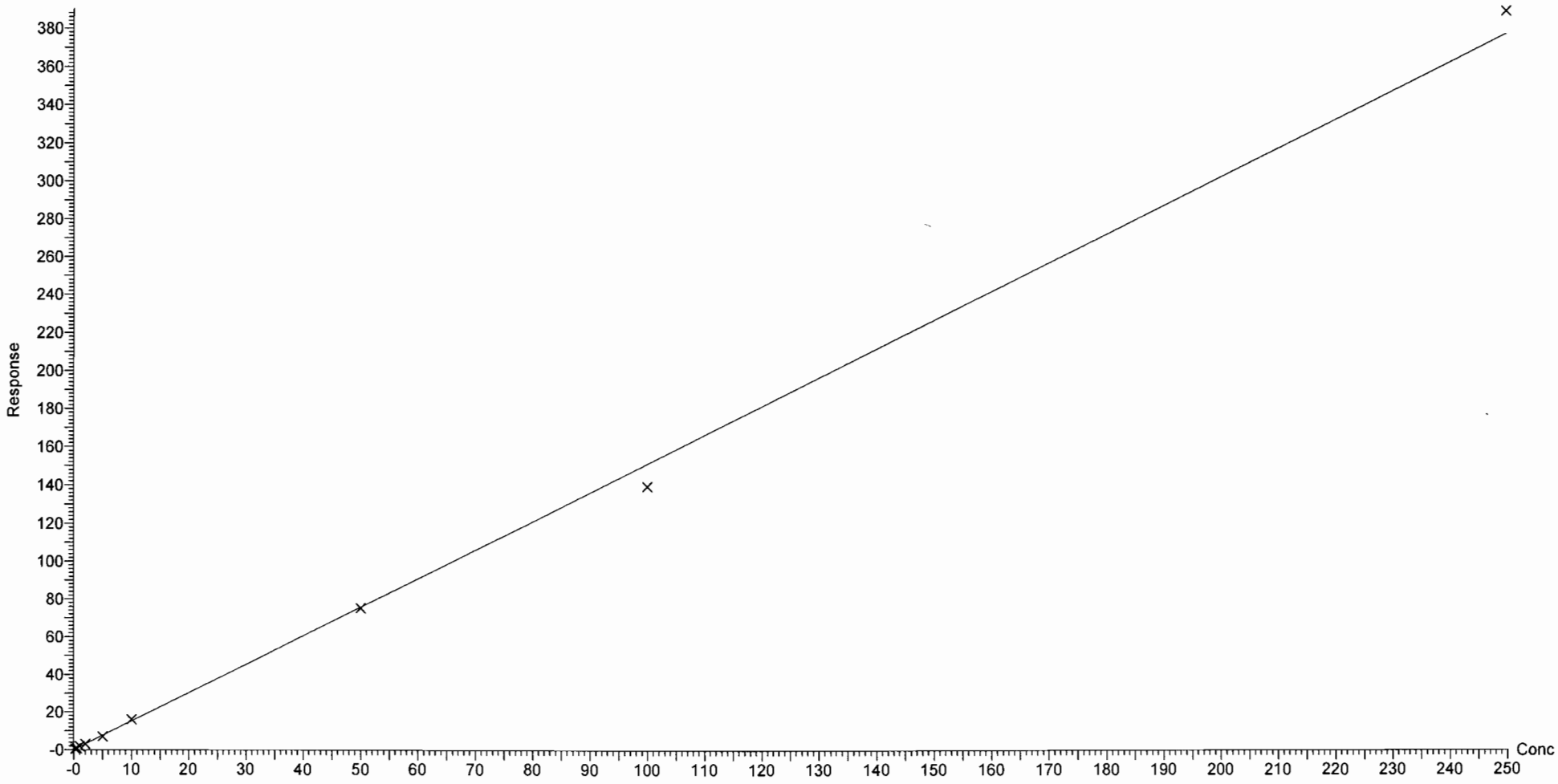
Compound name: PFHxA
Correlation coefficient: r = 0.999732, r^2 = 0.999465
Calibration curve: 1.66208 * x + 0.0769658
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

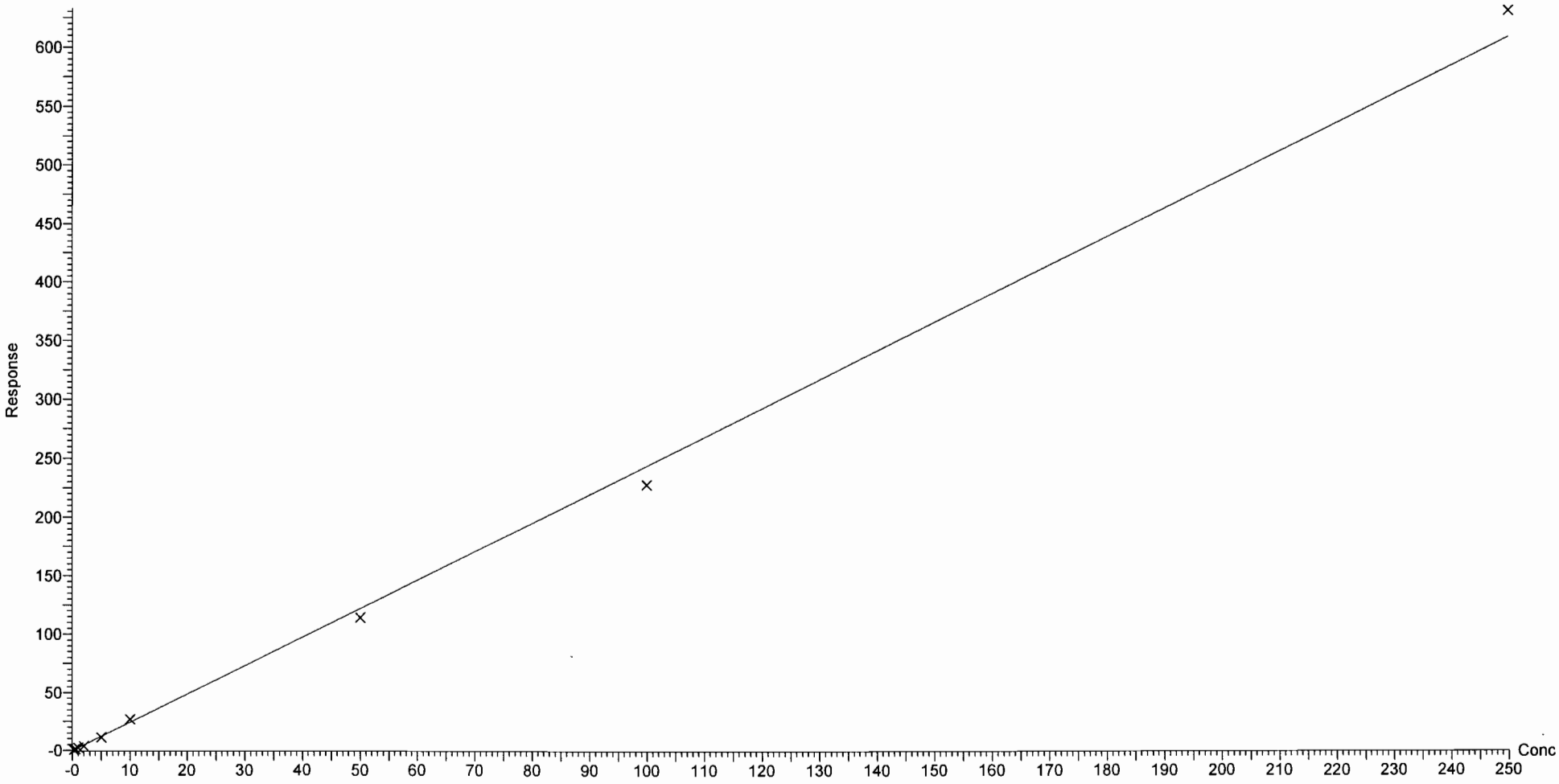
Compound name: PFHpA
Correlation coefficient: r = 0.998813, r^2 = 0.997628
Calibration curve: 1.51217 * x + -0.00204214
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

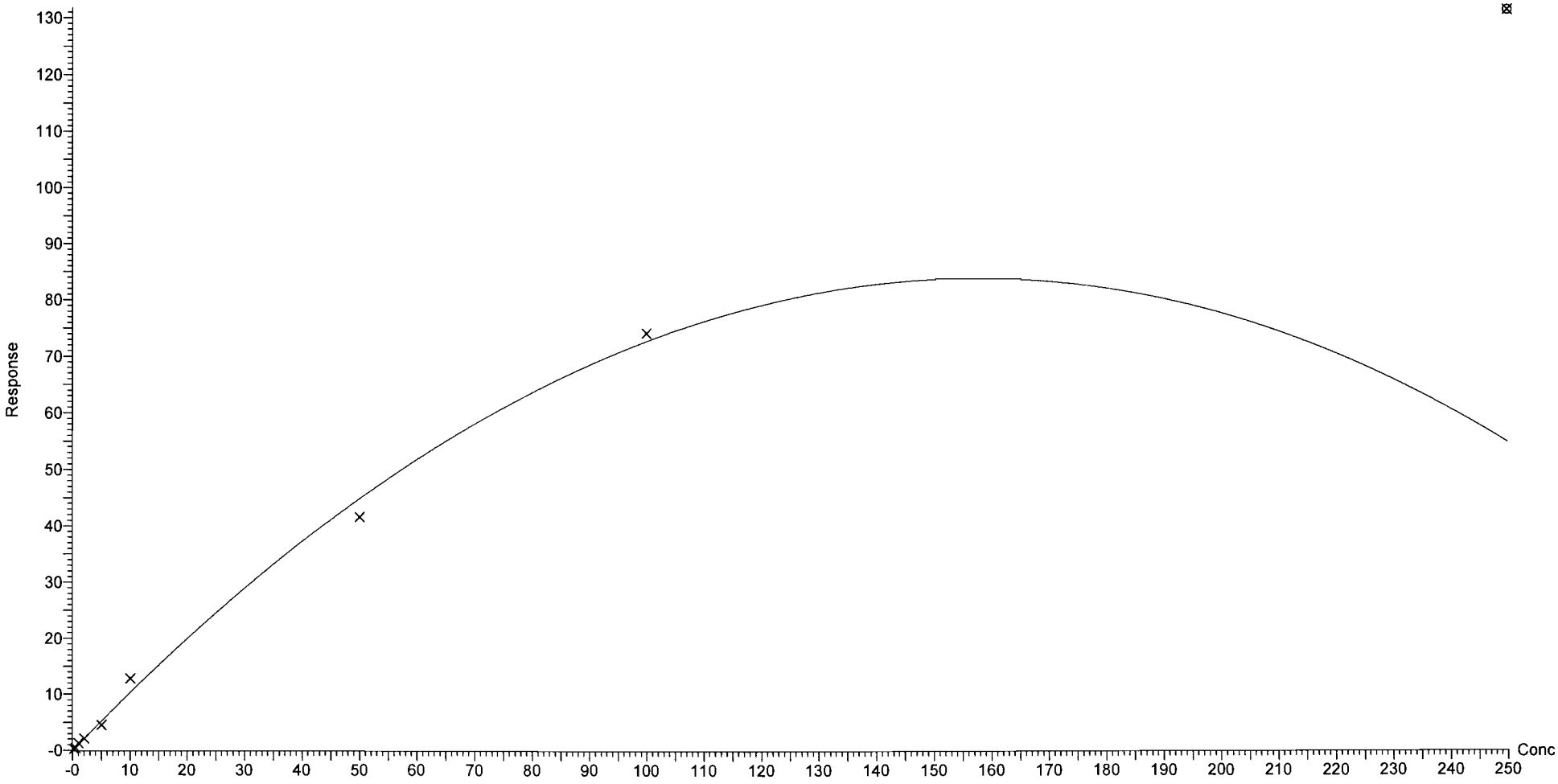
Compound name: L-PFHxS
Correlation coefficient: r = 0.998527, r^2 = 0.997056
Calibration curve: 2.44187 * x + -0.197337
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

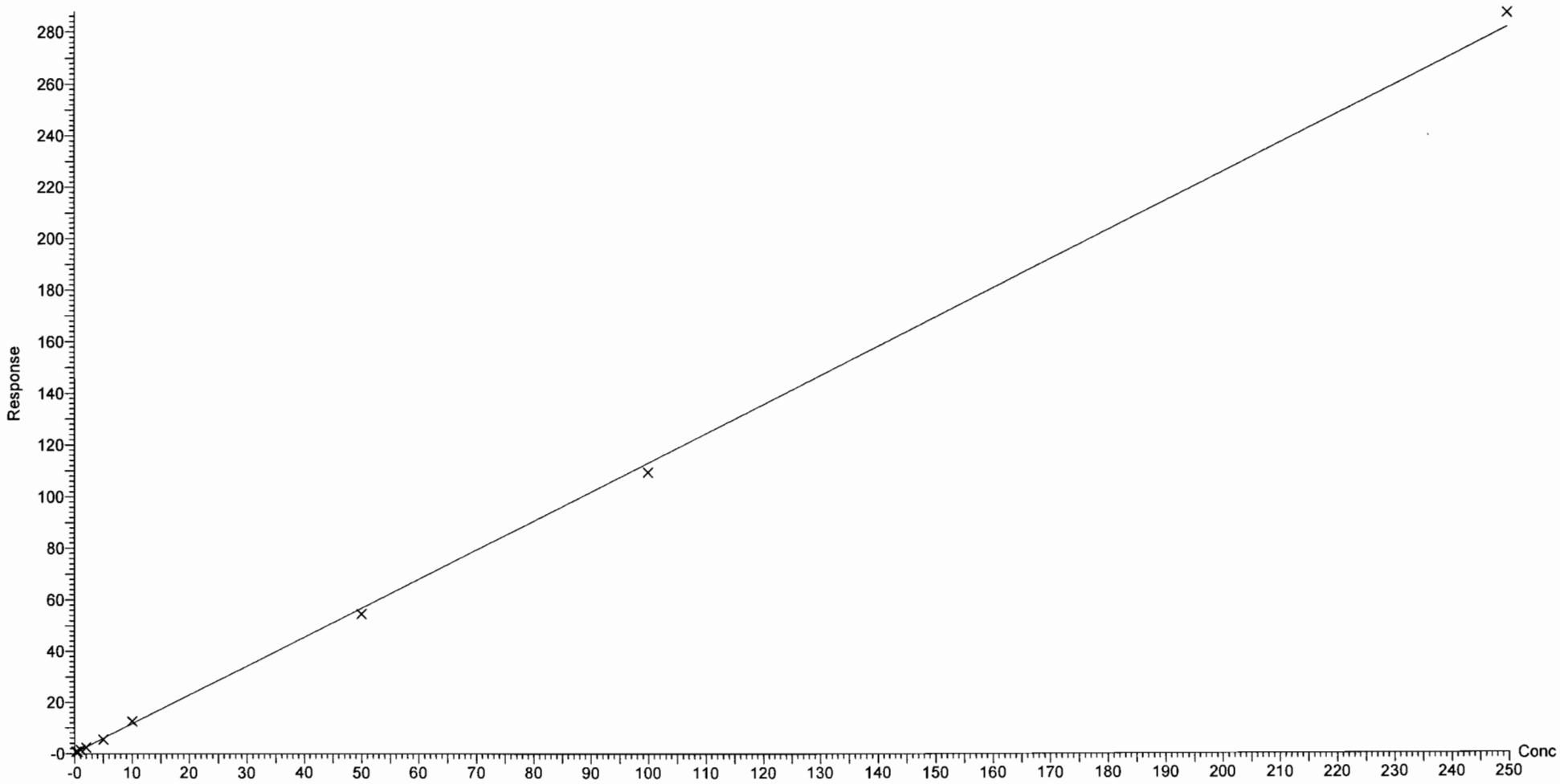
Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.990378
Calibration curve: -0.00338904 * x^2 + 1.06688 * x + -0.0276541
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

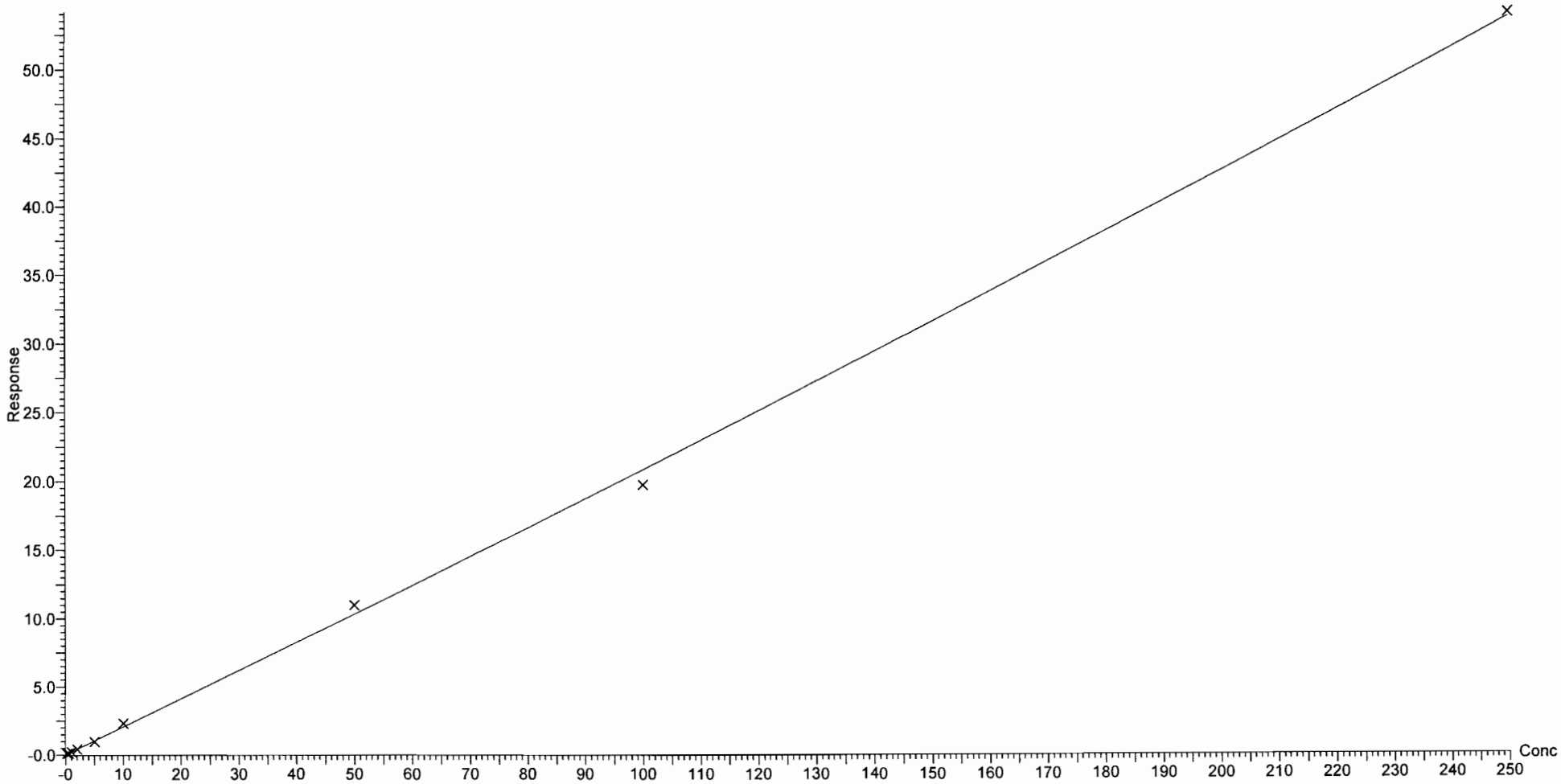
Compound name: L-PFOA
Correlation coefficient: r = 0.999419, r^2 = 0.998838
Calibration curve: 1.12797 * x + 0.284504
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

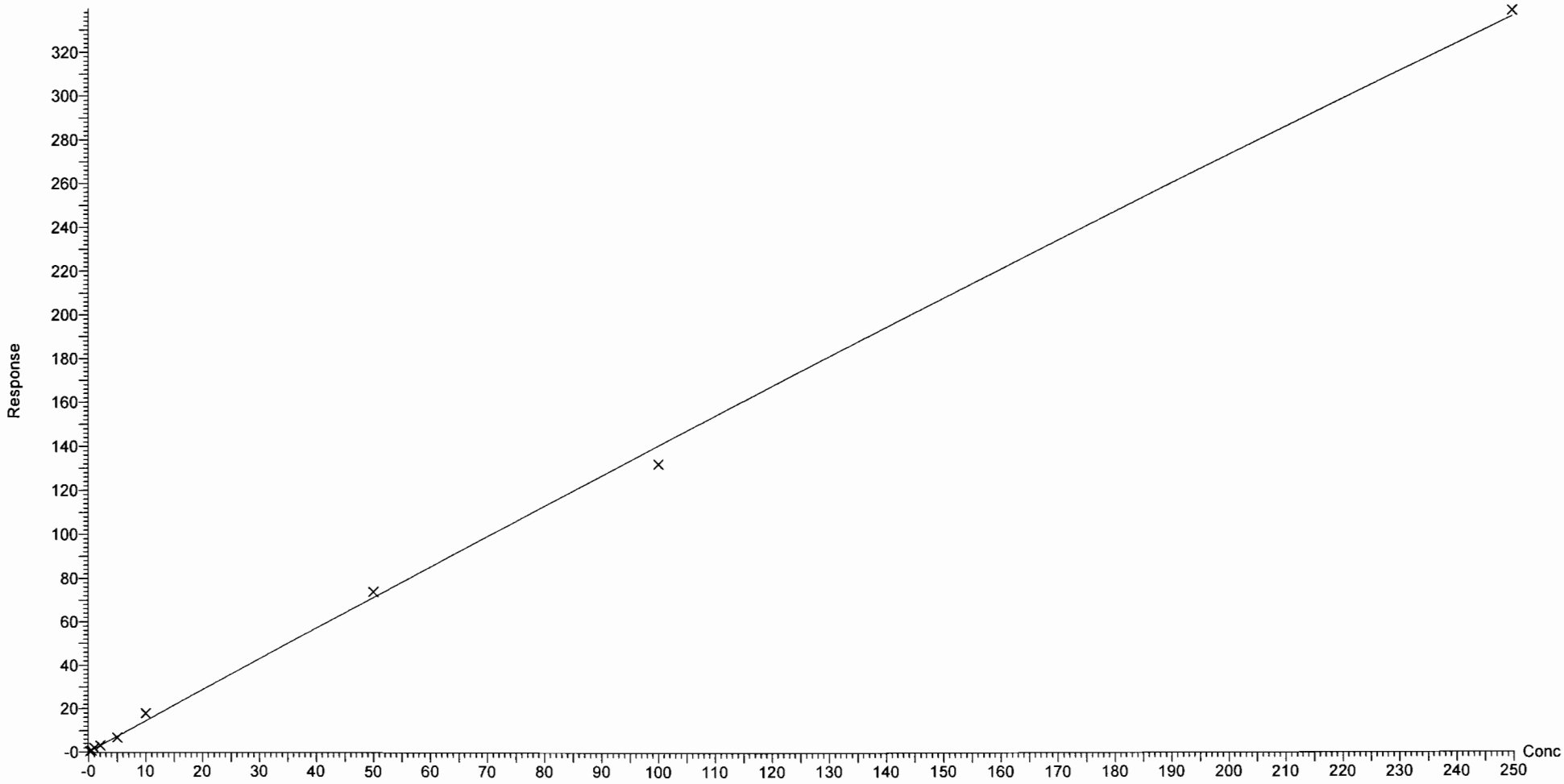
Compound name: PFHpS
Coefficient of Determination: R^2 = 0.998365
Calibration curve: 4.65786e-005 * x^2 + 0.203609 * x + 0.0252184
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

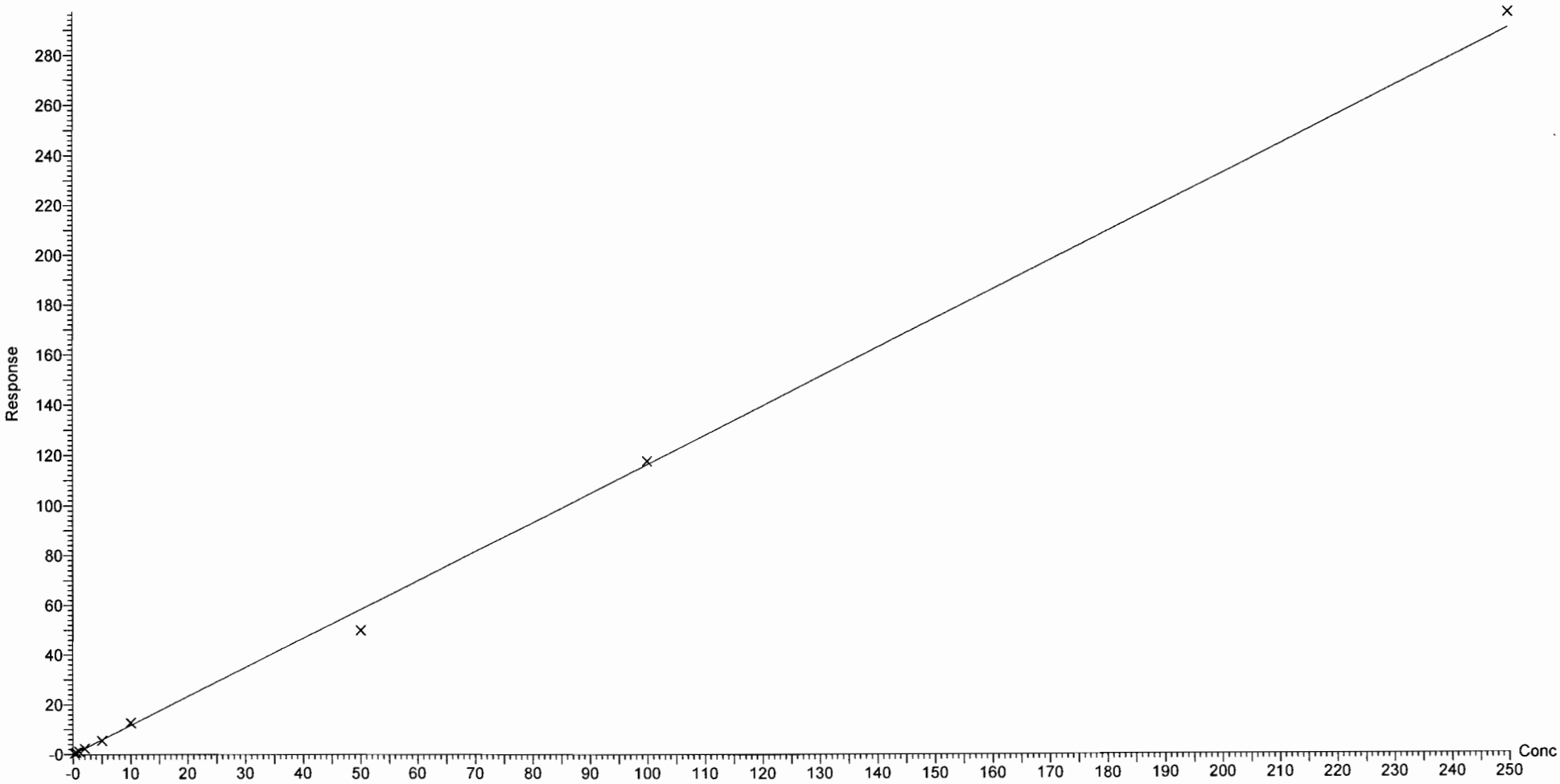
Compound name: PFNA
Coefficient of Determination: R^2 = 0.997109
Calibration curve: -0.000379675 * x^2 + 1.44302 * x + 0.0895267
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

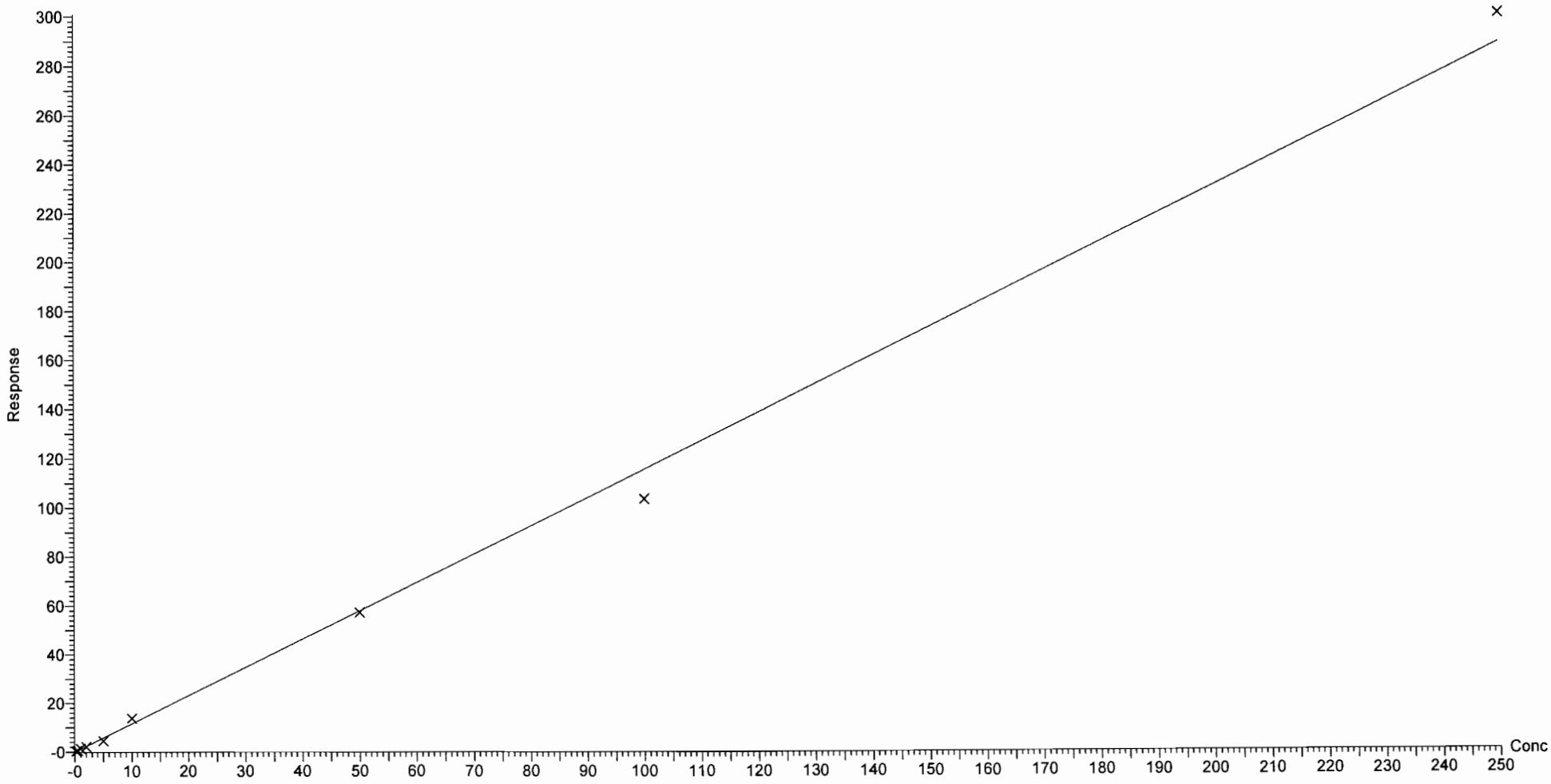
Compound name: PFOSA
Correlation coefficient: r = 0.998461, r^2 = 0.996924
Calibration curve: 1.16388 * x + 0.0273367
Response type: Internal Std (Ref 40), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

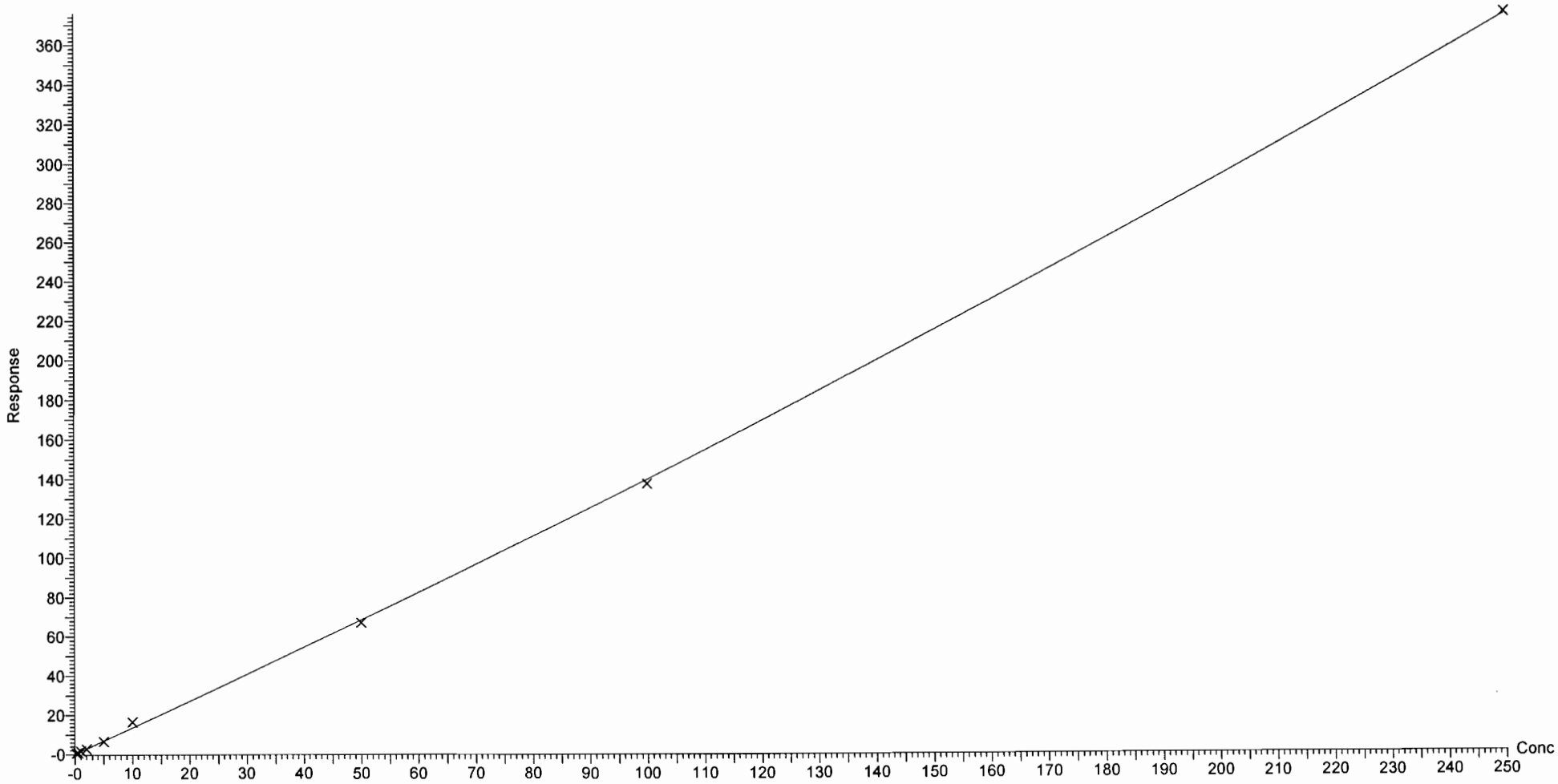
Compound name: L-PFOS
Correlation coefficient: r = 0.997357, r^2 = 0.994721
Calibration curve: 1.1564 * x + -0.0243452
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

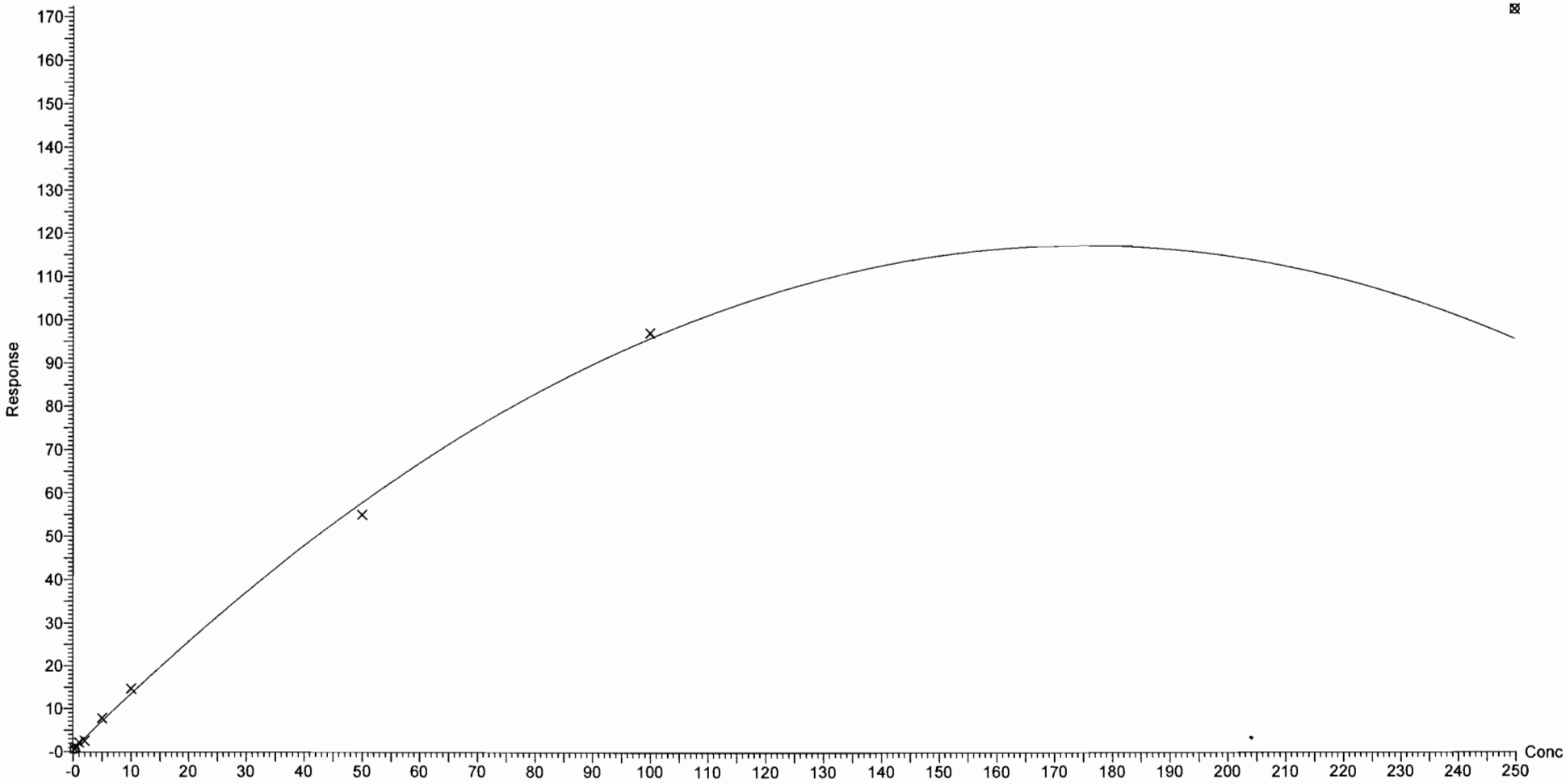
Compound name: PFDA
Coefficient of Determination: R^2 = 0.998744
Calibration curve: 0.000670409 * x^2 + 1.3303 * x + 0.180081
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

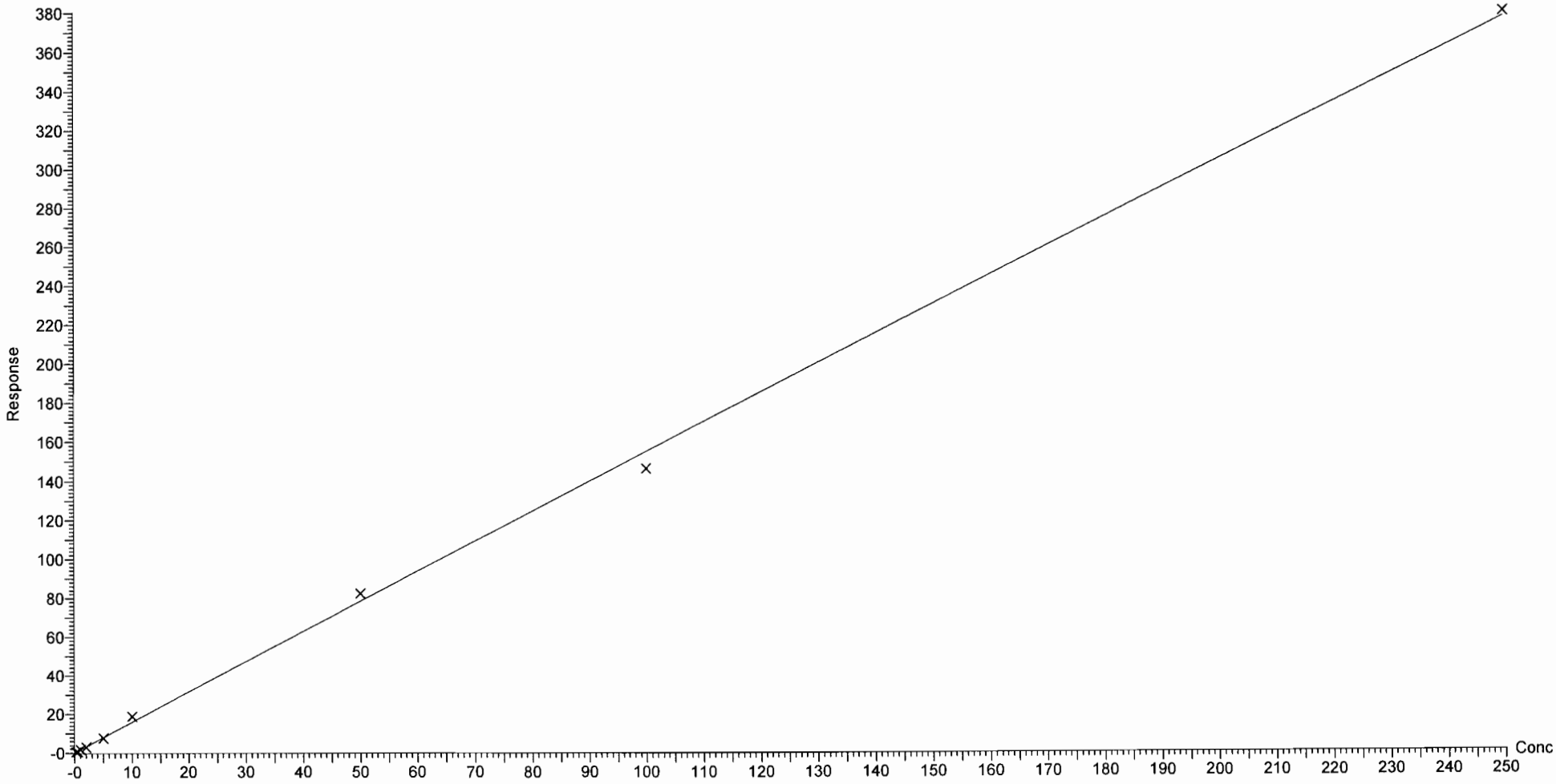
Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.995715
Calibration curve: -0.00382414 * x^2 + 1.3379 * x + 0.459132
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

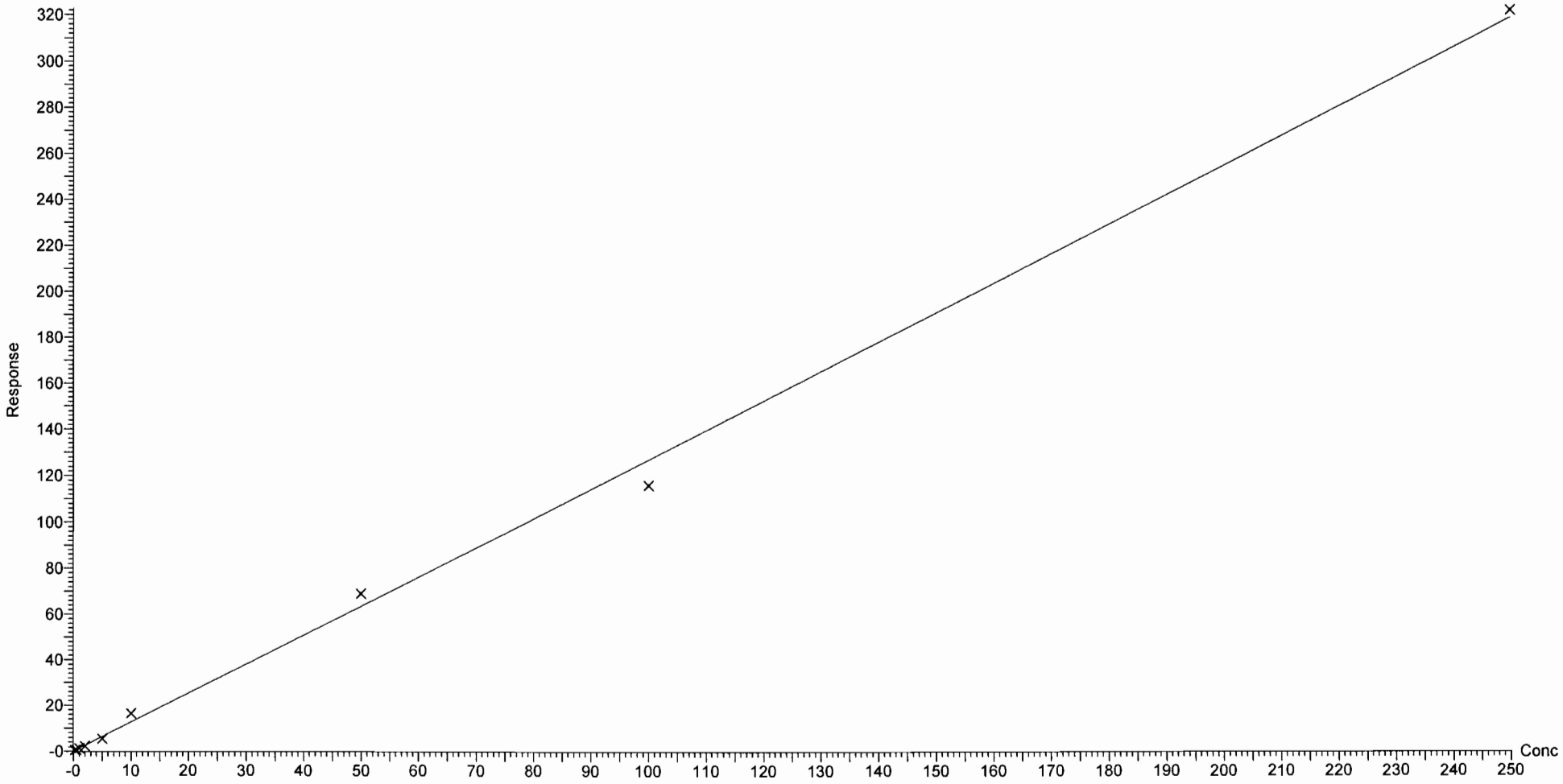
Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.997869
Calibration curve: -0.000267179 * x^2 + 1.57739 * x + 0.0787904
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

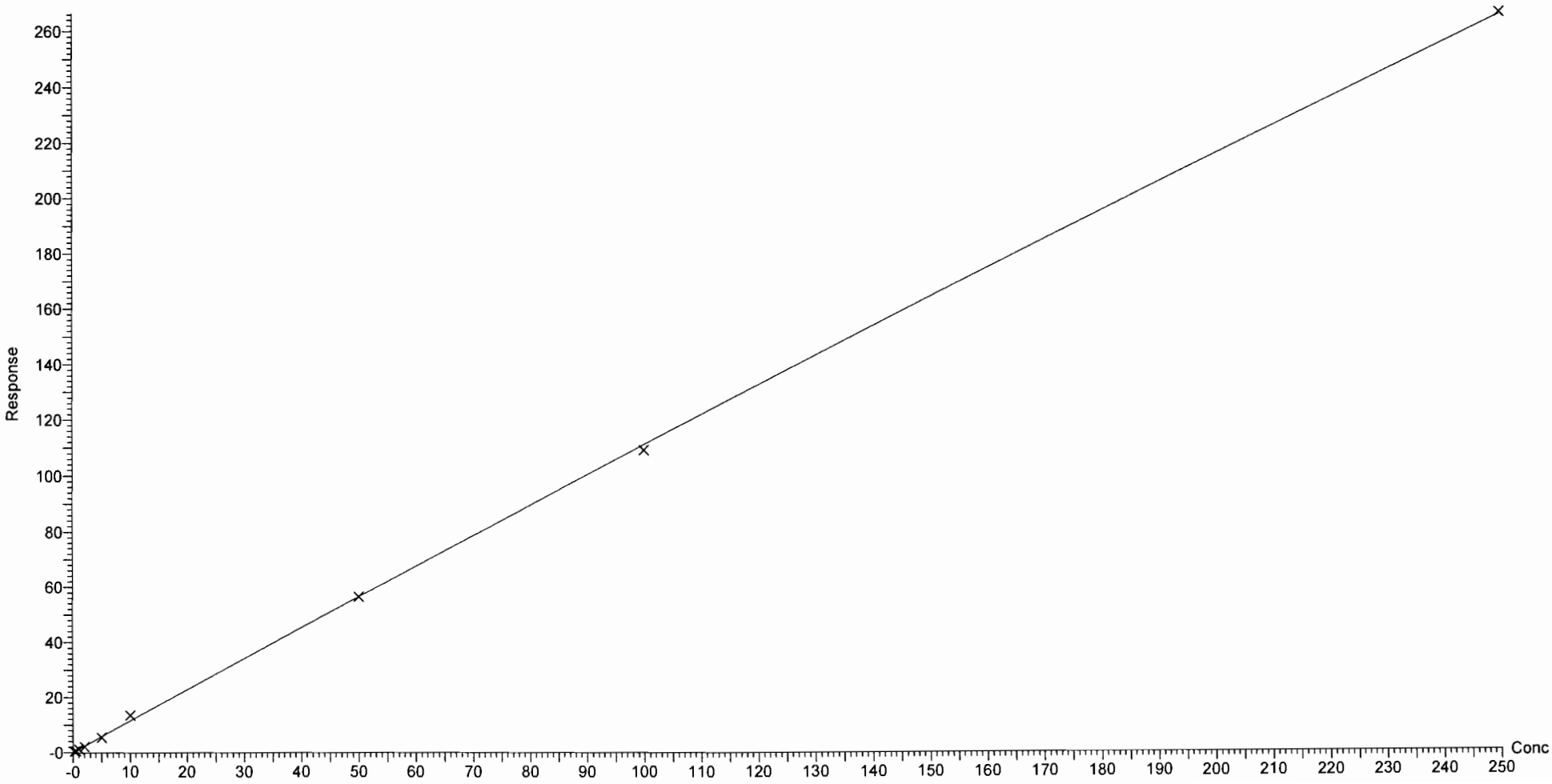
Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.994831
Calibration curve: 5.282e-005 * x^2 + 1.26472 * x + 0.0301259
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

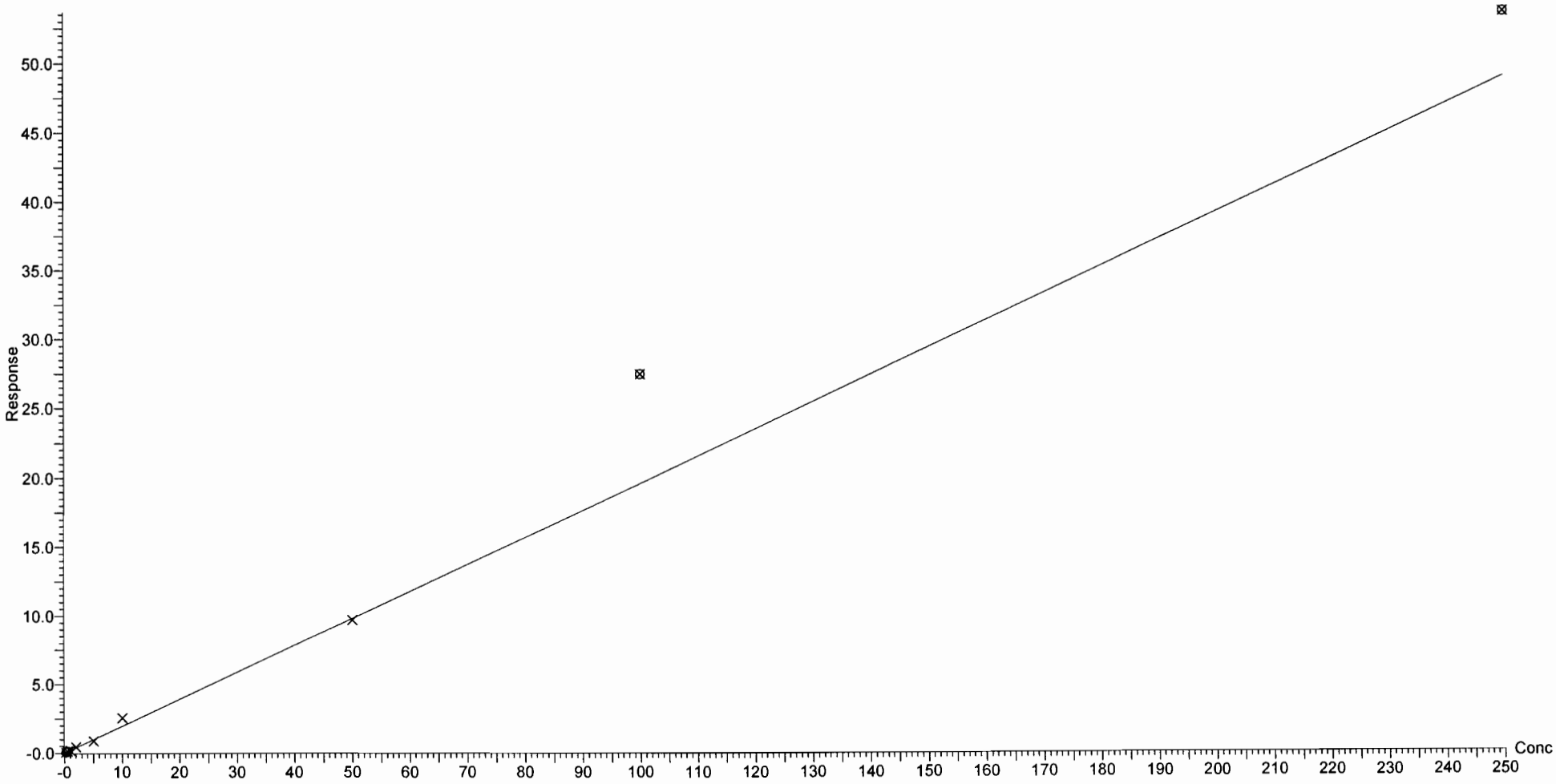
Compound name: PFUnA
Coefficient of Determination: R^2 = 0.998990
Calibration curve: -0.000325839 * x^2 + 1.14375 * x + 0.032356
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

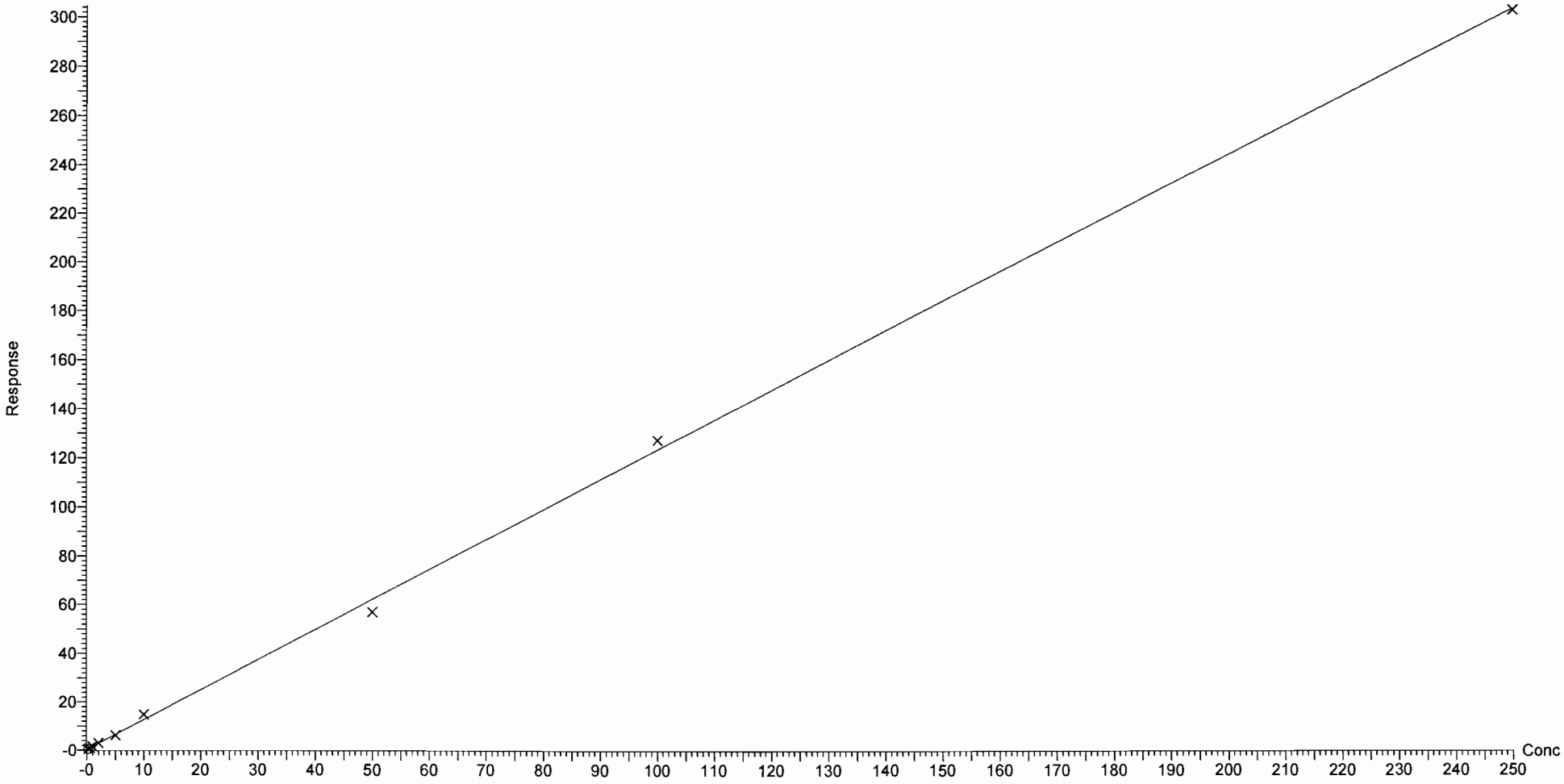
Compound name: PFDS
Coefficient of Determination: R^2 = 0.994206
Calibration curve: 0.195972 * x
Response type: Internal Std (Ref 46), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Force, Weighting: Null, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.997953
Calibration curve: -0.000109132 * x^2 + 1.24453 * x + 0.293856
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

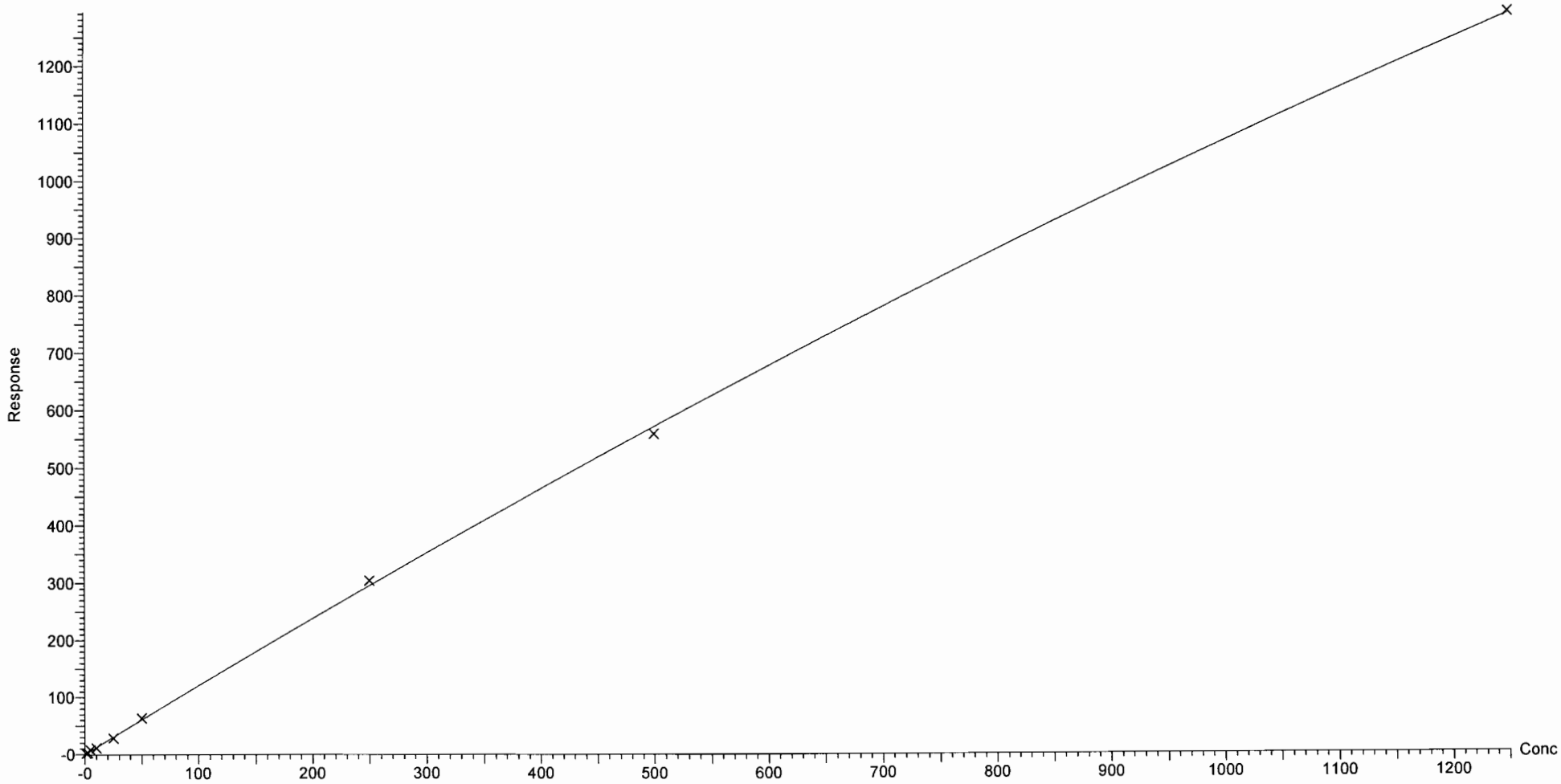


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

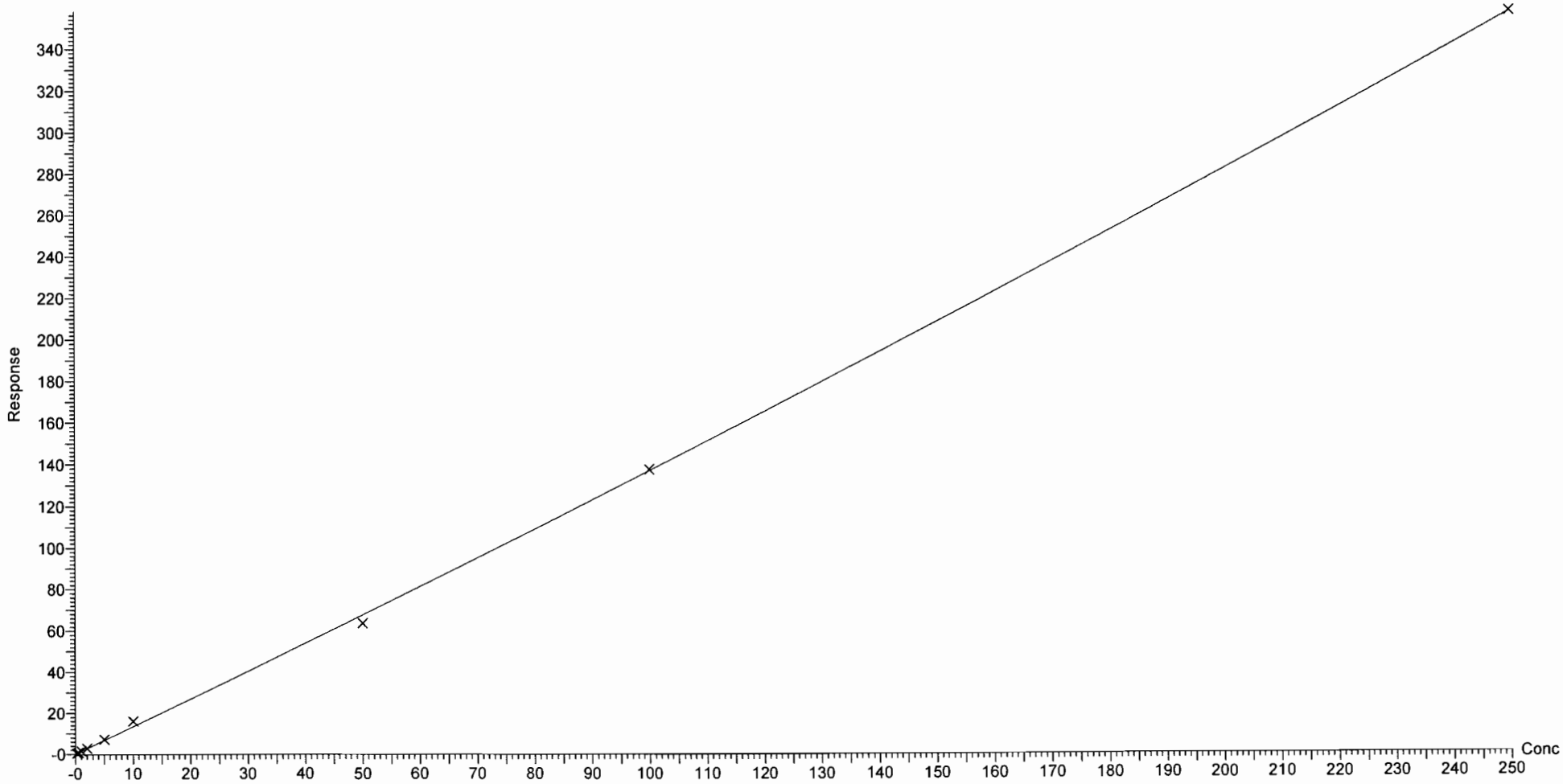
Compound name: N-MeFOSA
Coefficient of Determination: R^2 = 0.999297
Calibration curve: -0.000149877 * x^2 + 1.21877 * x + 0.0856513
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

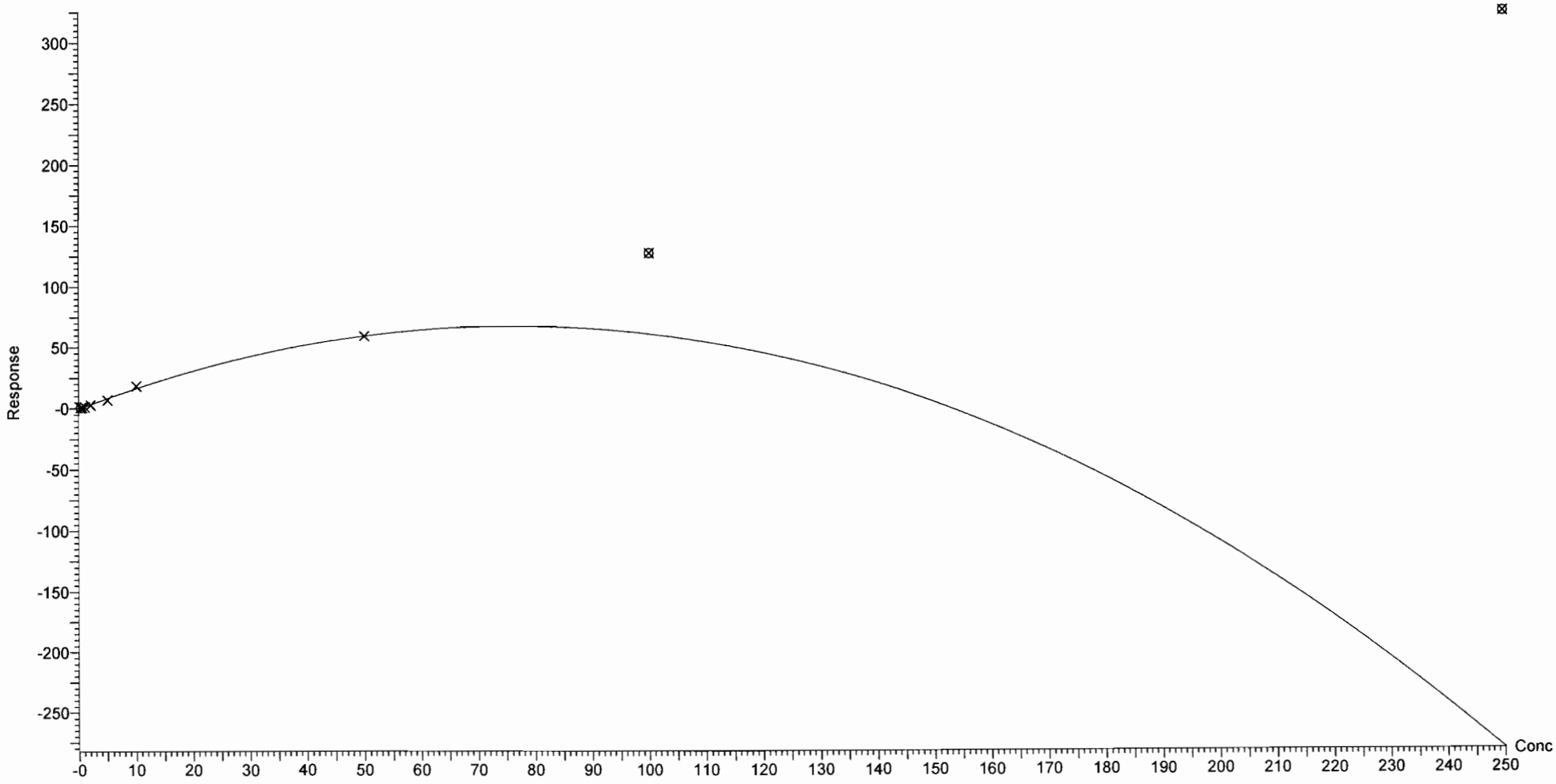
Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.998625
Calibration curve: 0.000400269 * x^2 + 1.32903 * x + 0.10057
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

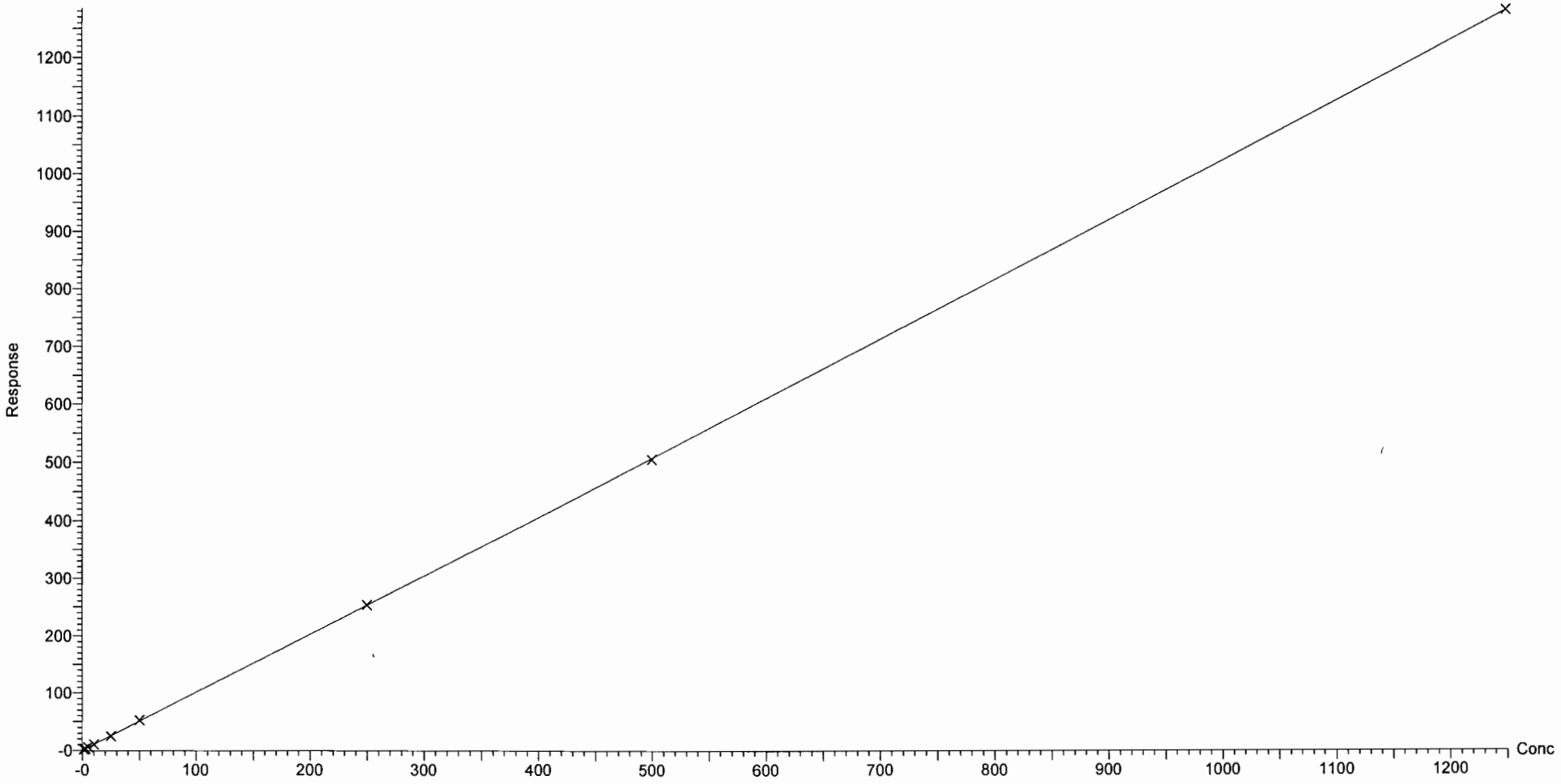
Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.990408
Calibration curve: -0.0116096 * x^2 + 1.77597 * x + -0.229836
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

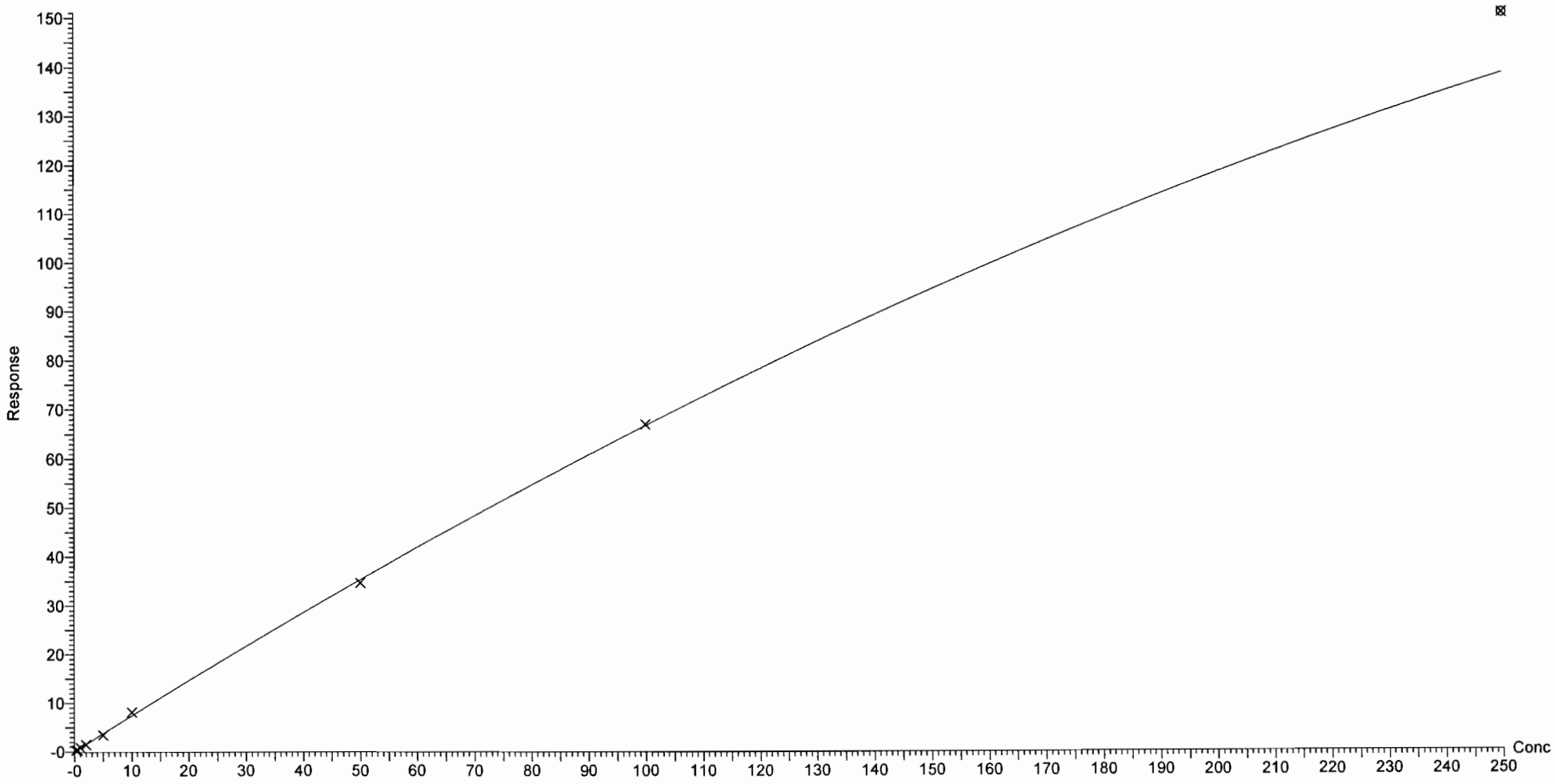
Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999879
Calibration curve: 1.51717e-005 * x^2 + 1.00753 * x + 0.283778
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.998601
Calibration curve: -0.000754699 * x^2 + 0.743417 * x + 0.0395372
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

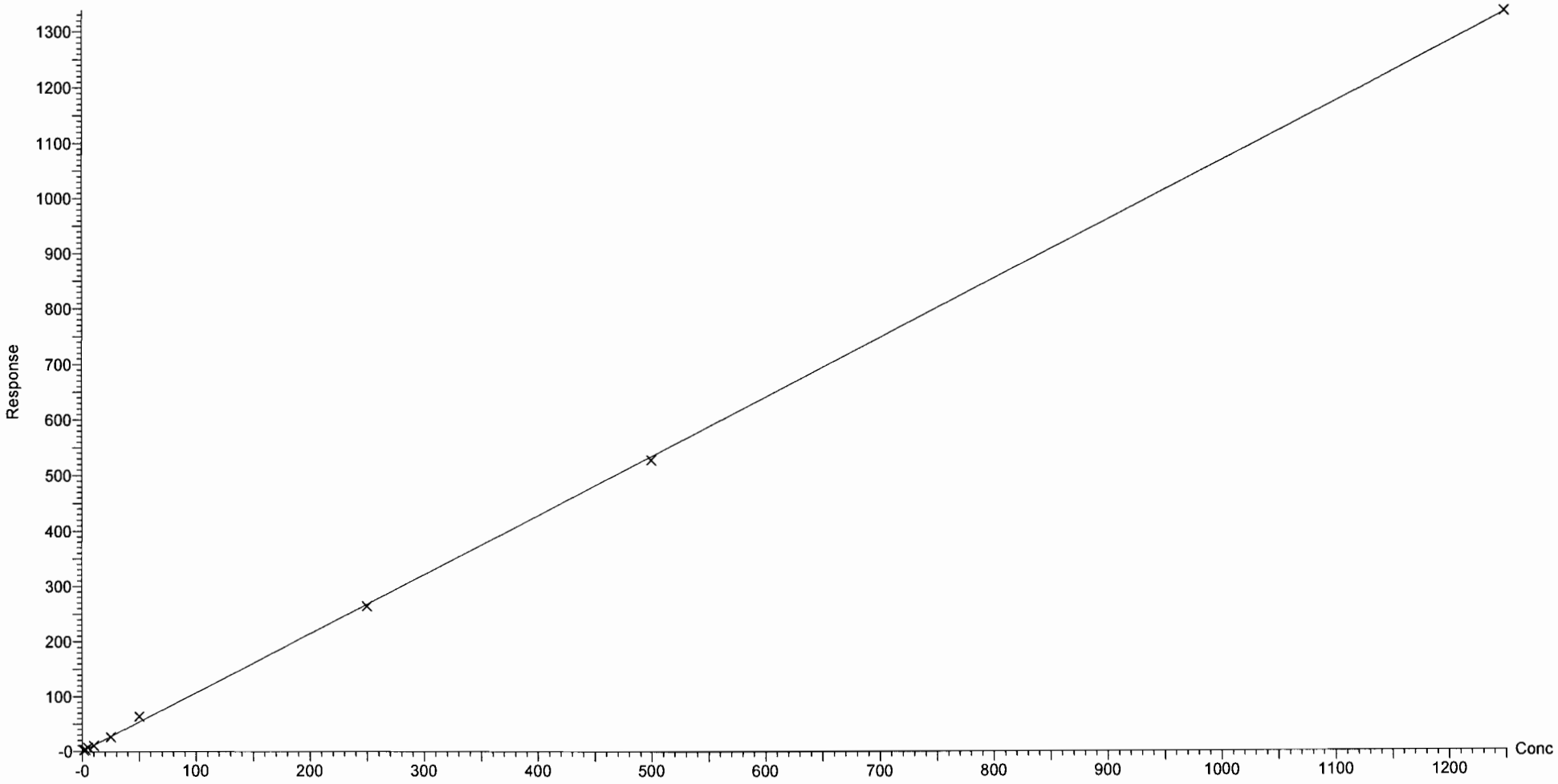


Vista Analytical Laboratory Q1

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

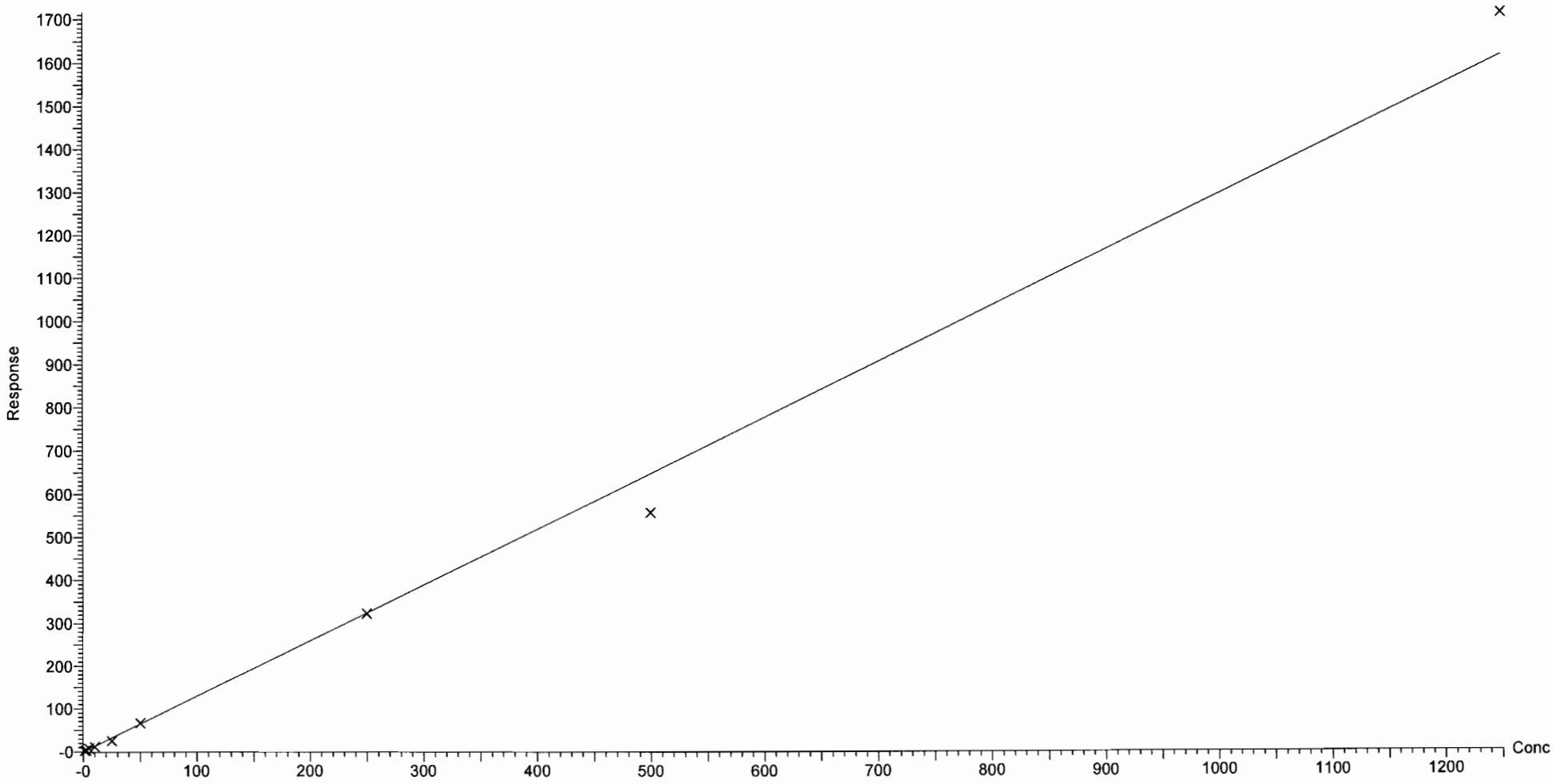
Compound name: N-MeFOSE
Correlation coefficient: r = 0.999413, r^2 = 0.998826
Calibration curve: 1.06845 * x + 0.279364
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Friday, October 27, 2017 10:26:14 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:38:18 Pacific Daylight Time

Compound name: N-EtFOSE
Correlation coefficient: r = 0.996094, r^2 = 0.992203
Calibration curve: 1.29546 * x + -0.281193
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

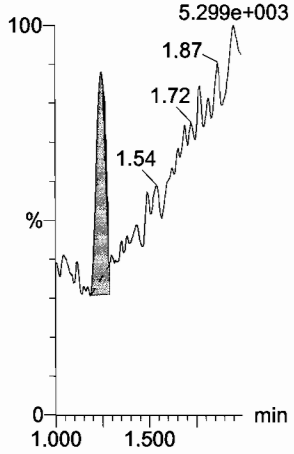
(A) am 10/27/17

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 26 Oct 2017 08:20:12
Calibration: 26 Oct 2017 15:43:46

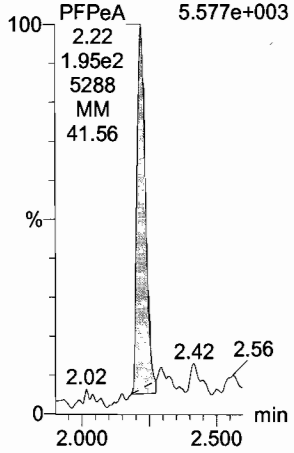
Name: 171026M1_2, Date: 26-Oct-2017, Time: 09:26:00, ID: ST171026M1-1 PFC CS-2 17J3006, Description: PFC CS-2 17J3006

I (A)

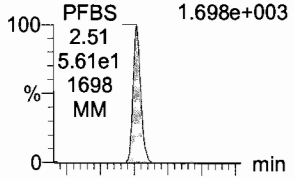
PFBA

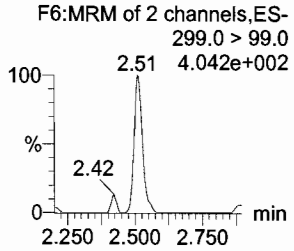


PFPeA

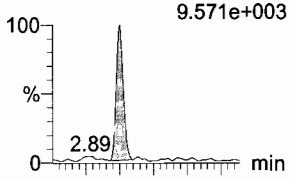


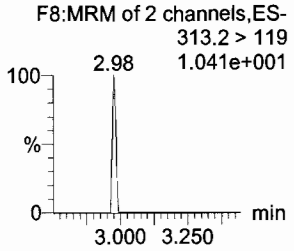
PFBS



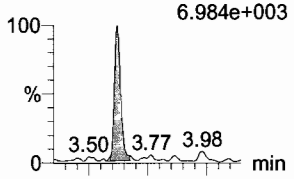


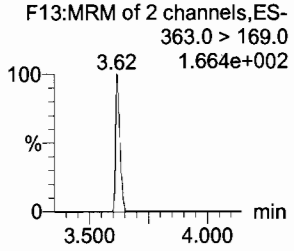
PFHxA



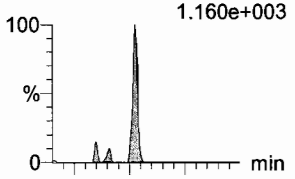


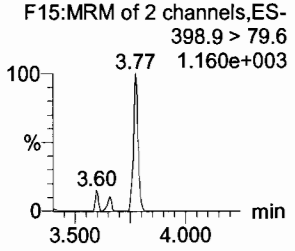
PFHpA



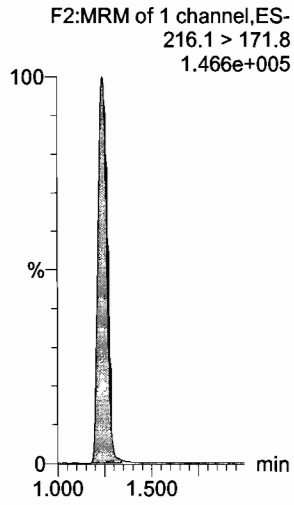


L-PFHxS

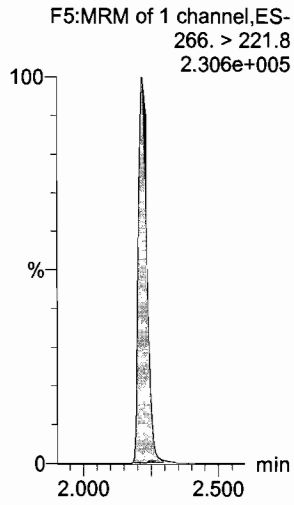




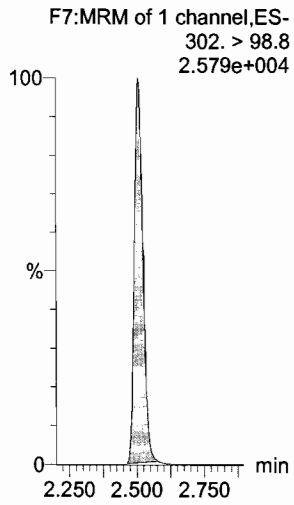
13C3-PFBA



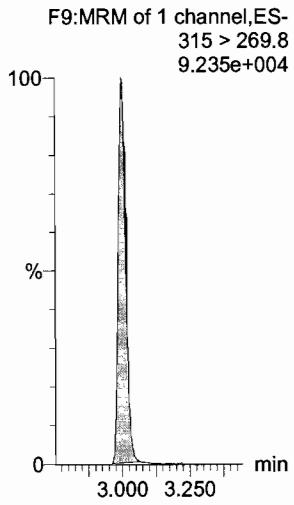
13C3-PFPeA



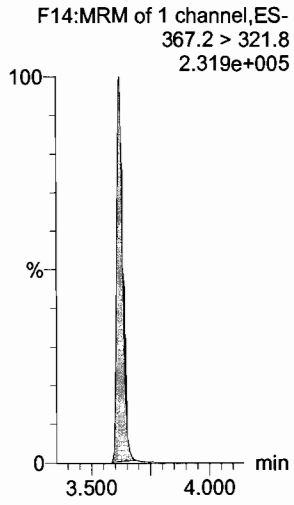
13C3-PFBS



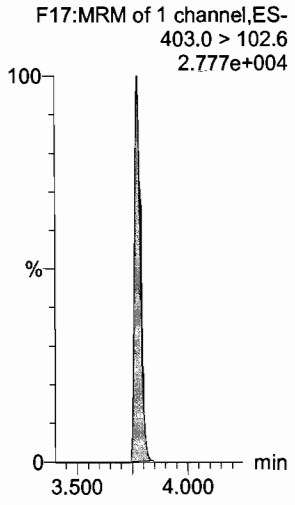
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



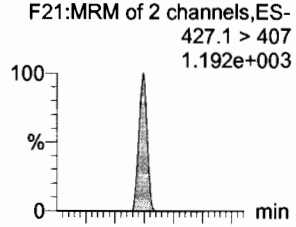
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

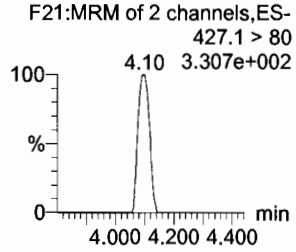
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_2, Date: 26-Oct-2017, Time: 09:26:00, ID: ST171026M1-1 PFC CS-2 17J3006, Description: PFC CS-2 17J3006

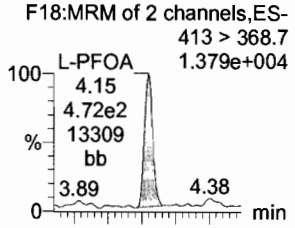
I (A)

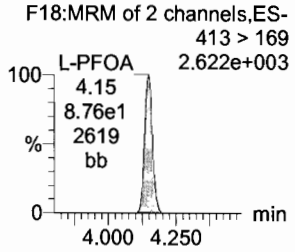
6:2 FTS



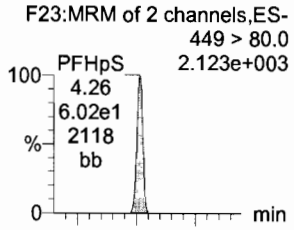


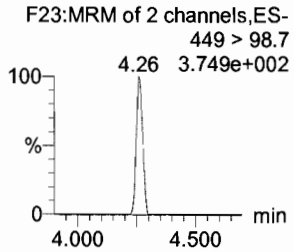
L-PFOA



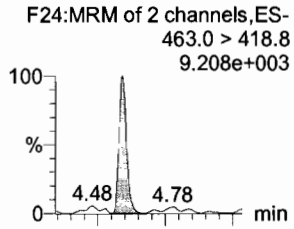


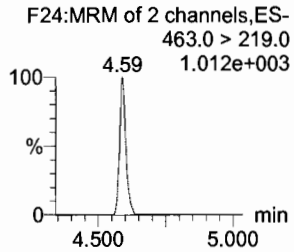
PFHpS



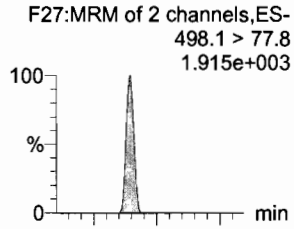


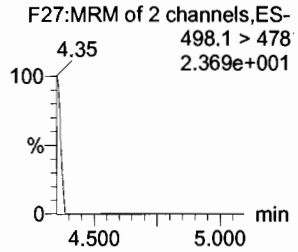
PFNA



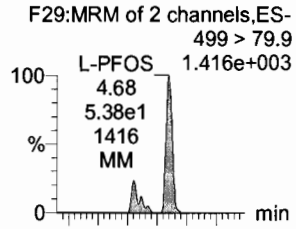


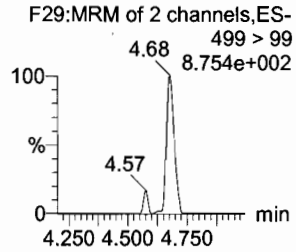
PFOSA



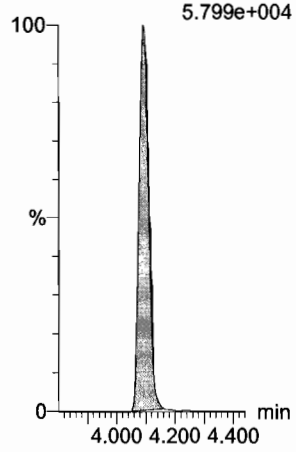


L-PFOS

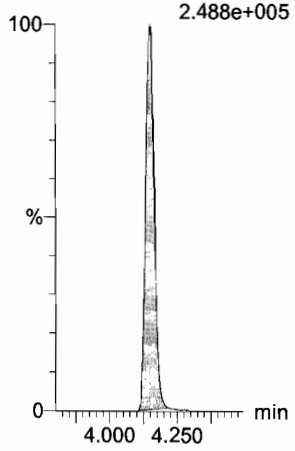




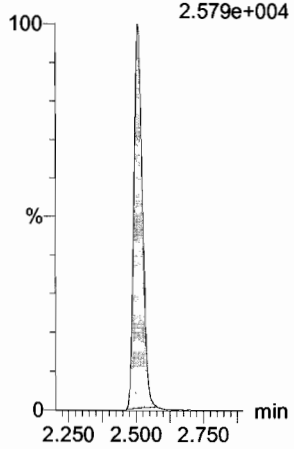
13C2-6:2 FTS



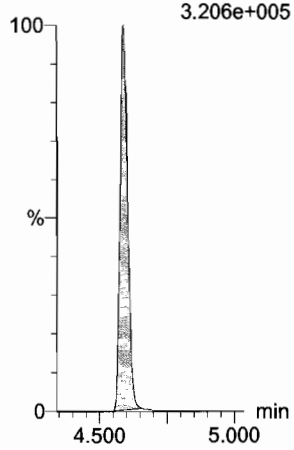
13C2-PFOA



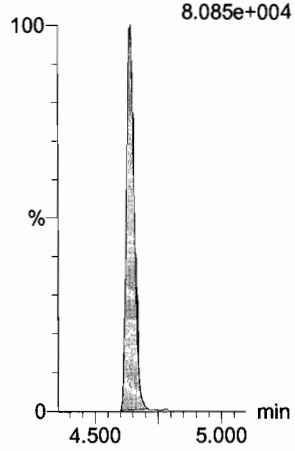
13C3-PFBS



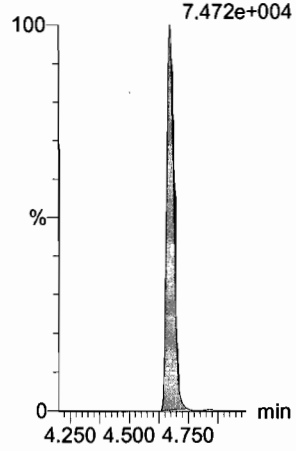
13C5-PFNA



13C8-PFOSA



13C8-PFOS

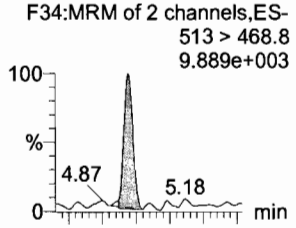


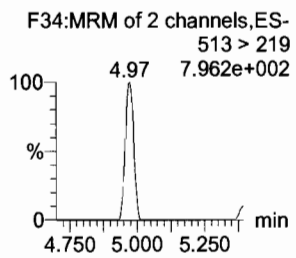
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

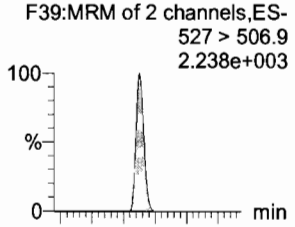
Name: 171026M1_2, Date: 26-Oct-2017, Time: 09:26:00, ID: ST171026M1-1 PFC CS-2 17J3006, Description: PFC CS-2 17J3006

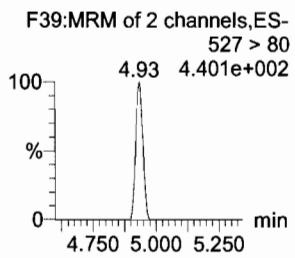
PFDA



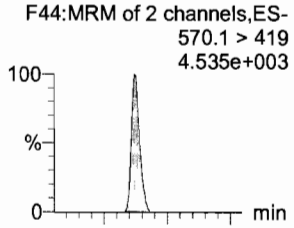


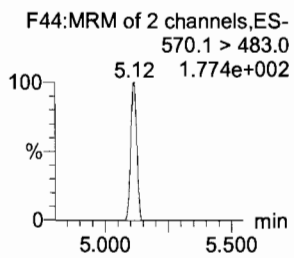
8:2 FTS



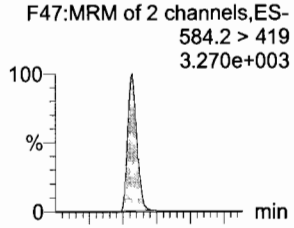


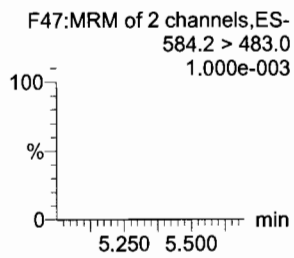
N-MeFOSAA



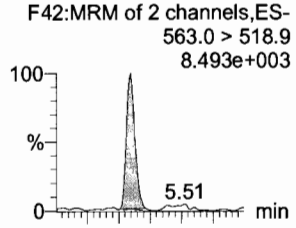


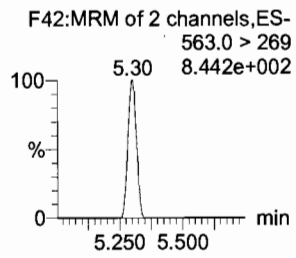
N-EtFOSAA



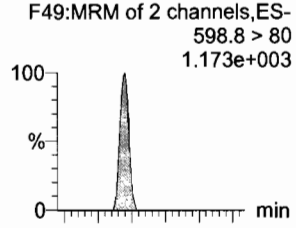


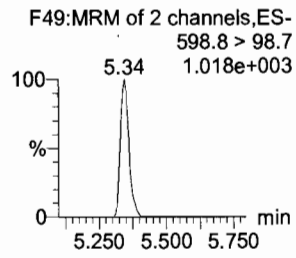
PFUnA



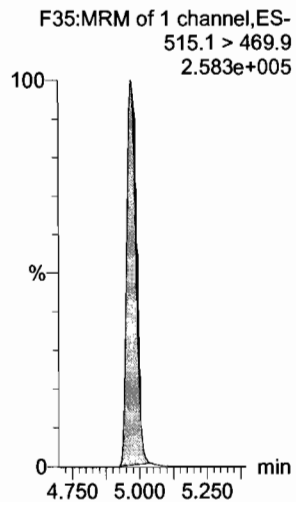


PFDS

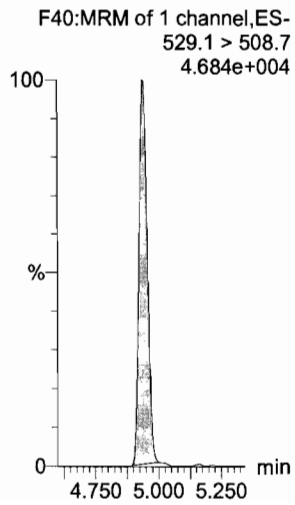




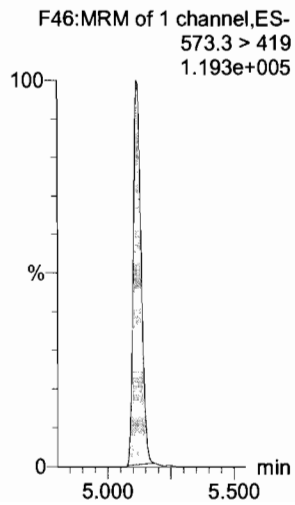
13C2-PFDA



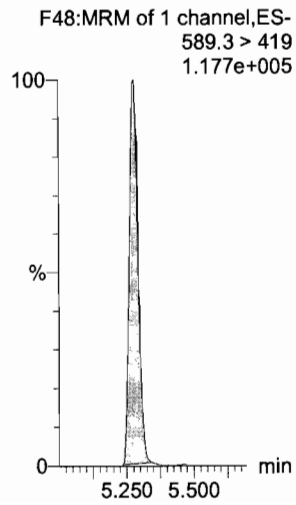
13C2-8:2 FTS



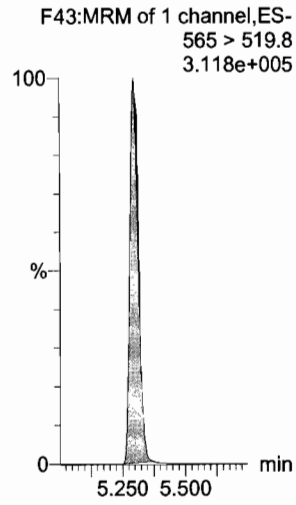
d3-N-MeFOSAA



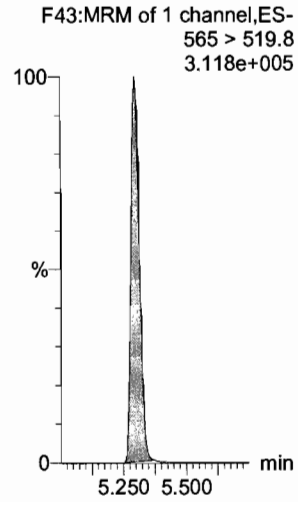
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



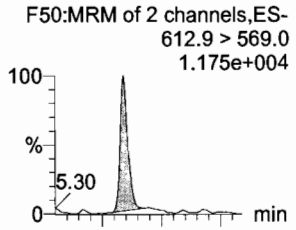
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

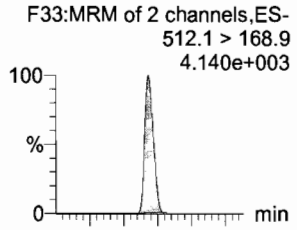
(A) 1

Name: 171026M1_2, Date: 26-Oct-2017, Time: 09:26:00, ID: ST171026M1-1 PFC CS-2 17J3006, Description: PFC CS-2 17J3006

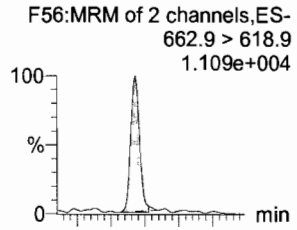
PFDoA



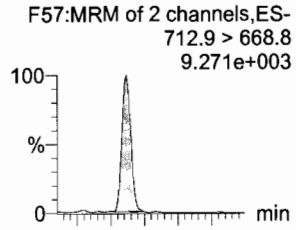
N-MeFOSA



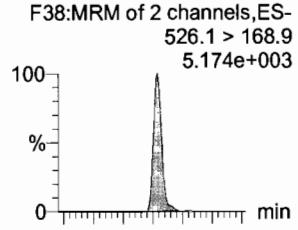
PFTrDA



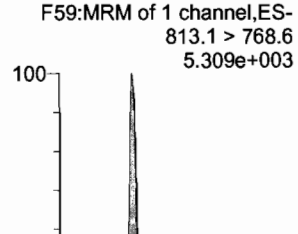
PFTeDA



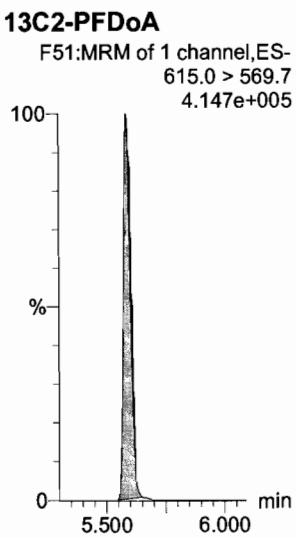
N-EtFOSA



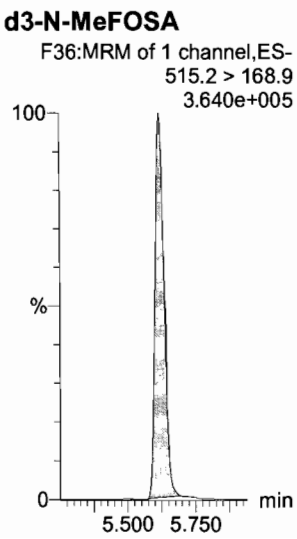
PFHxDA



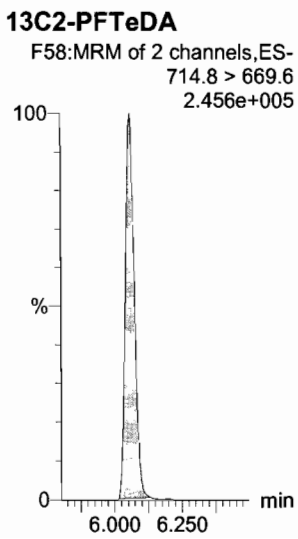
13C2-PFDoA



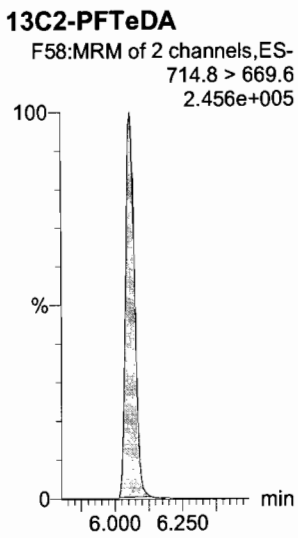
d3-N-MeFOSA



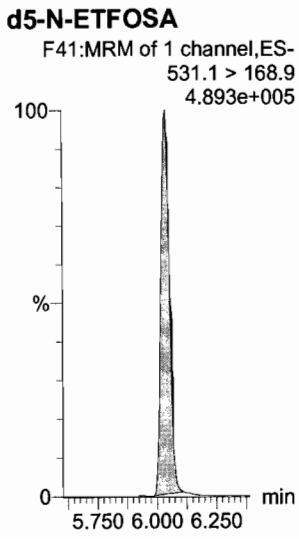
13C2-PFTeDA



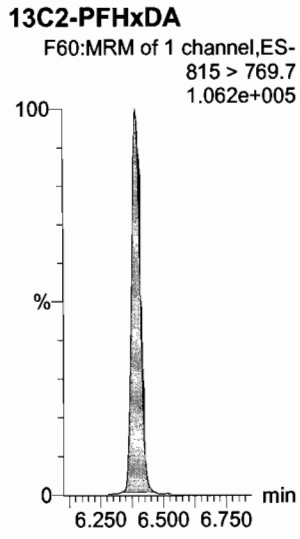
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

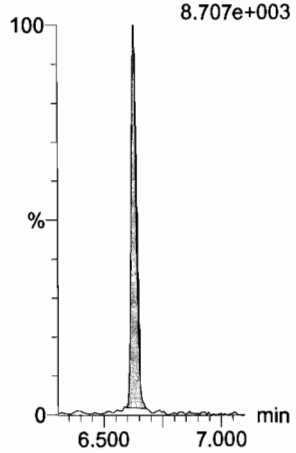


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

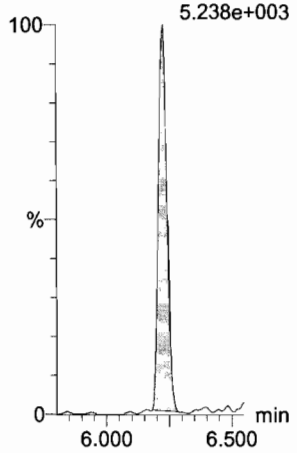
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_2, Date: 26-Oct-2017, Time: 09:26:00, ID: ST171026M1-1 PFC CS-2 17J3006, Description: PFC CS-2 17J3006 I (A)

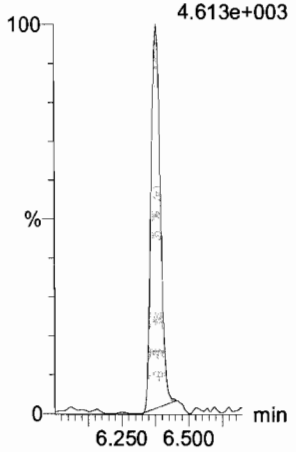
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
8.707e+003



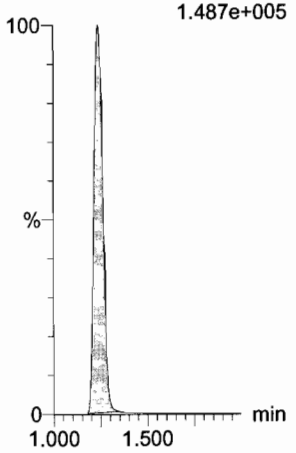
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
5.238e+003



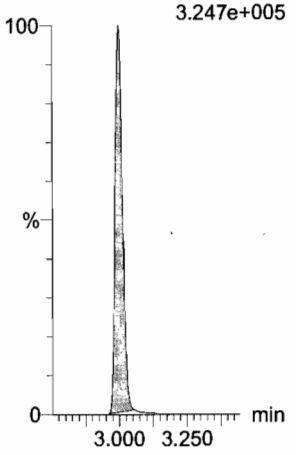
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
4.613e+003



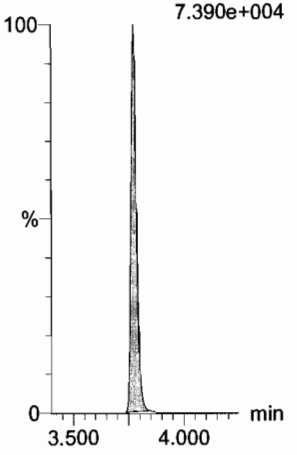
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.487e+005



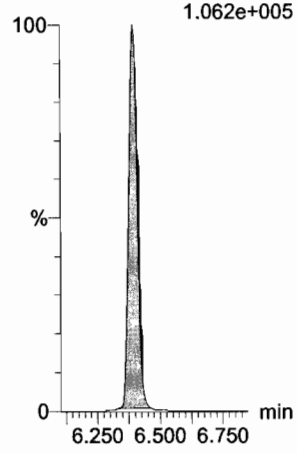
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
3.247e+005



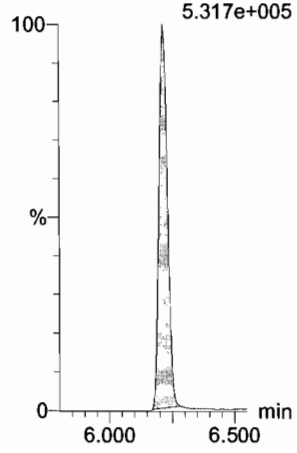
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
7.390e+004



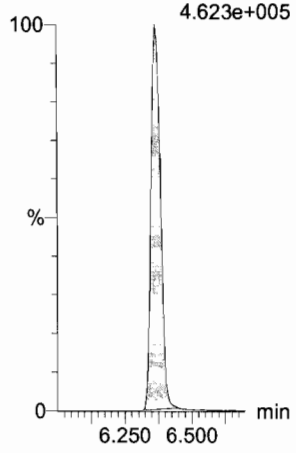
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.062e+005



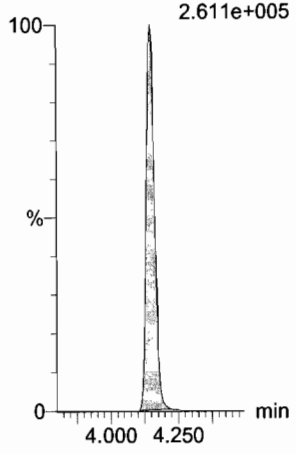
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
5.317e+005



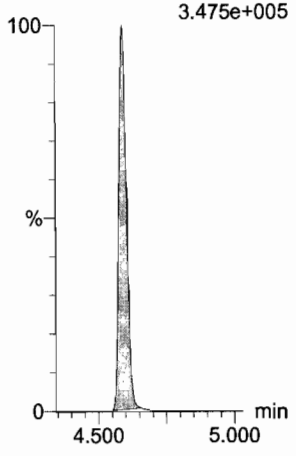
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
4.623e+005



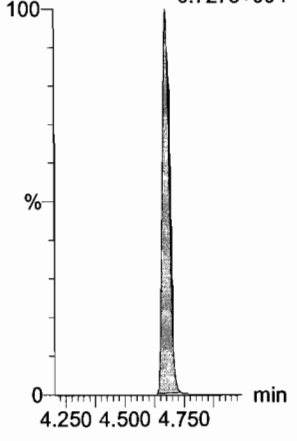
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
2.611e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.475e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
6.727e+004



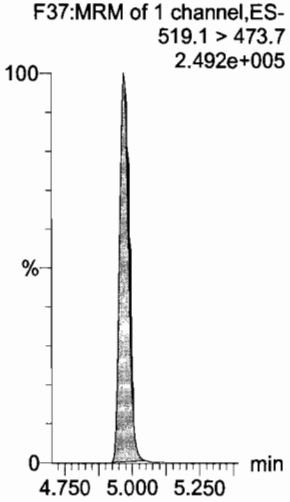
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

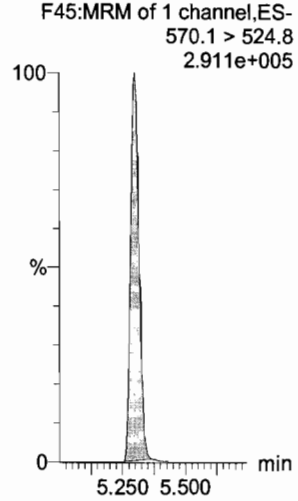
I (A)

Name: 171026M1_2, Date: 26-Oct-2017, Time: 09:26:00, ID: ST171026M1-1 PFC CS-2 17J3006, Description: PFC CS-2 17J3006

13C6-PFDA



13C7-PFUnA



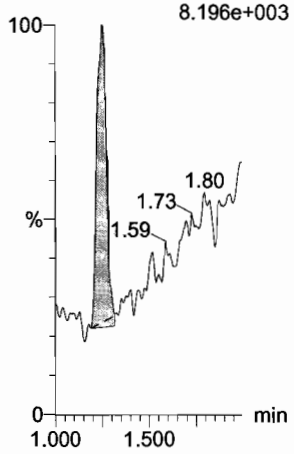
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

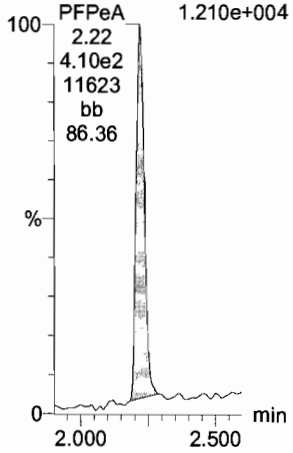
1 (A)

Name: 171026M1_3, Date: 26-Oct-2017, Time: 09:37:20, ID: ST171026M1-2 PFC CS-1 17J3007, Description: PFC CS-1 17J3007

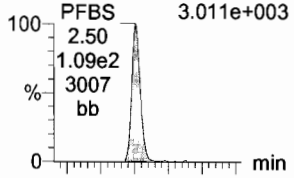
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
8.196e+003



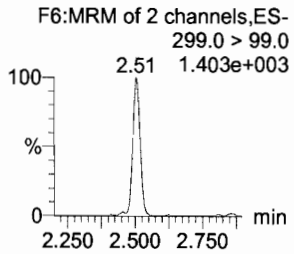
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
1.210e+004



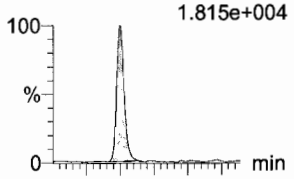
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
3.011e+003



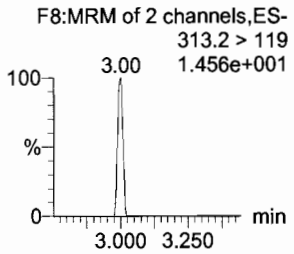
F6:MRM of 2 channels,ES-
299.0 > 99.0
1.403e+003



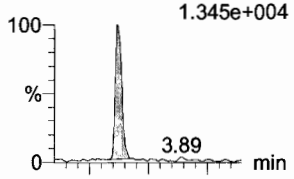
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
1.815e+004



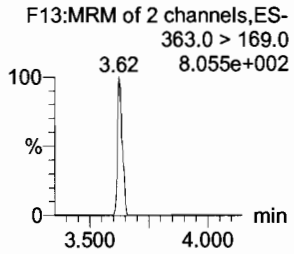
F8:MRM of 2 channels,ES-
313.2 > 119
1.456e+001



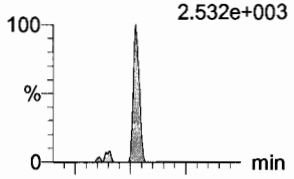
PFHpA
F13:MRM of 2 channels,ES-
363.0 > 318.9
1.345e+004



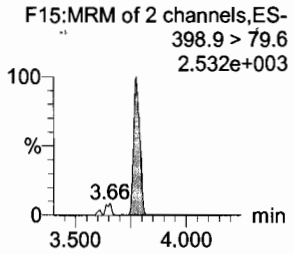
F13:MRM of 2 channels,ES-
363.0 > 169.0
8.055e+002



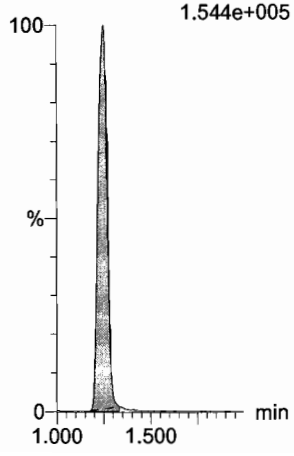
L-PFHxS
F15:MRM of 2 channels,ES-
398.9 > 79.6
2.532e+003



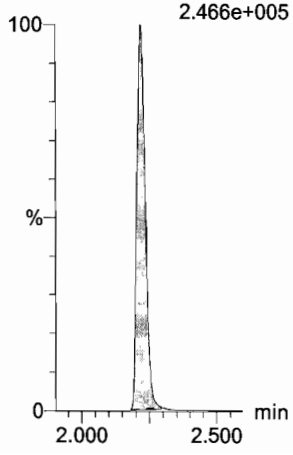
F15:MRM of 2 channels,ES-
398.9 > 79.6
2.532e+003



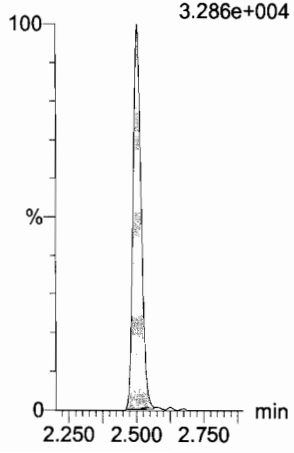
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
1.544e+005



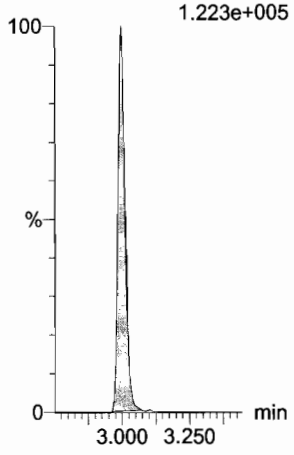
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.466e+005



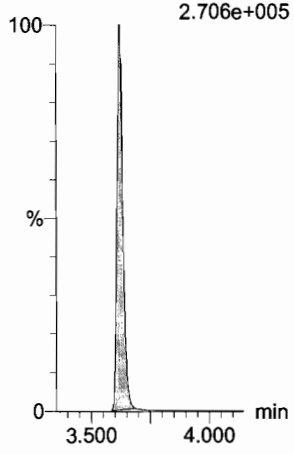
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.286e+004



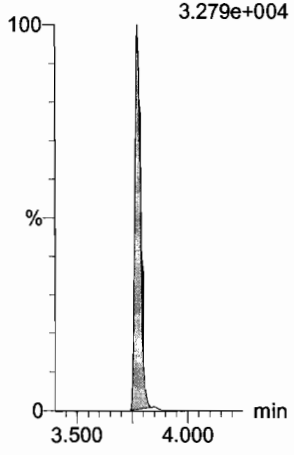
13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
1.223e+005



13C4-PFHpA
F14:MRM of 1 channel,ES-
367.2 > 321.8
2.706e+005



18O2-PFHxS
F17:MRM of 1 channel,ES-
403.0 > 102.6
3.279e+004

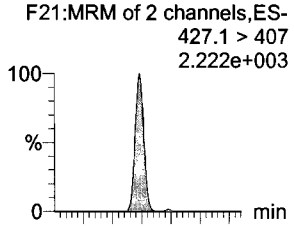


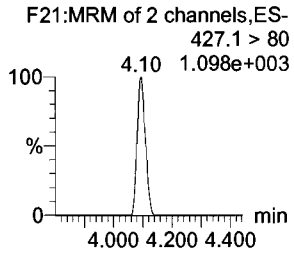
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

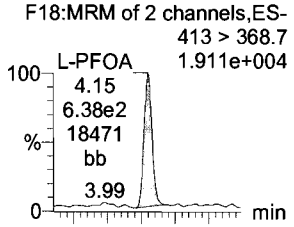
Name: 171026M1_3, Date: 26-Oct-2017, Time: 09:37:20, ID: ST171026M1-2 PFC CS-1 17J3007, Description: PFC CS-1 17J3007

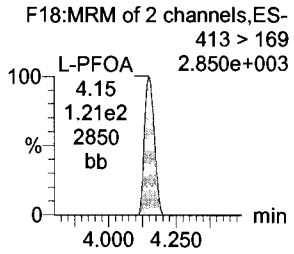
6:2 FTS



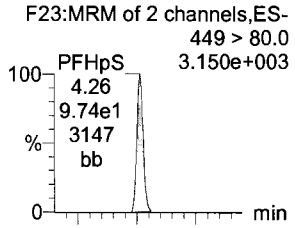


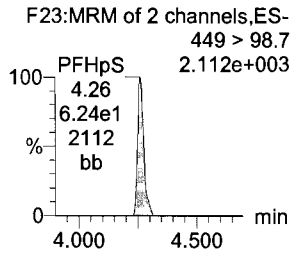
L-PFOA



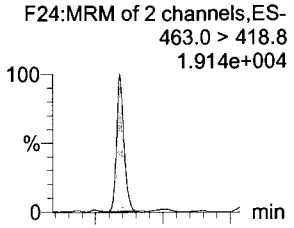


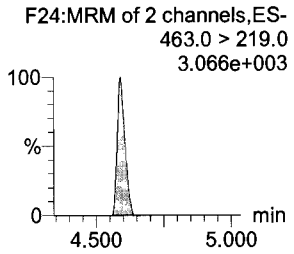
PFHpS



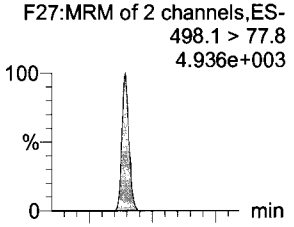


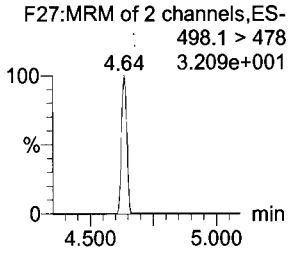
PFNA



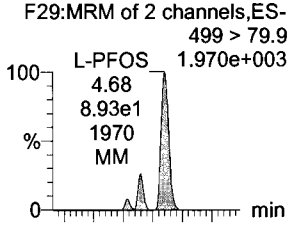


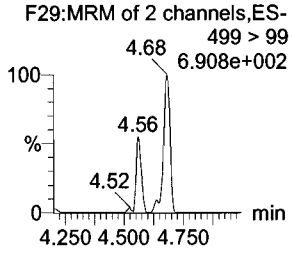
PFOSA



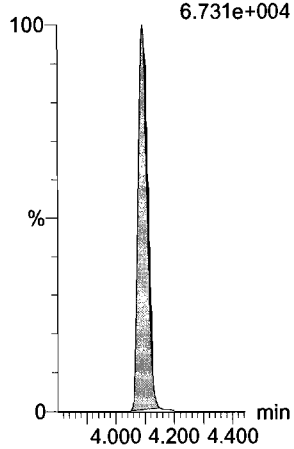


L-PFOS

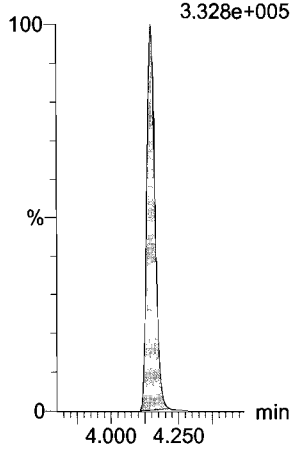




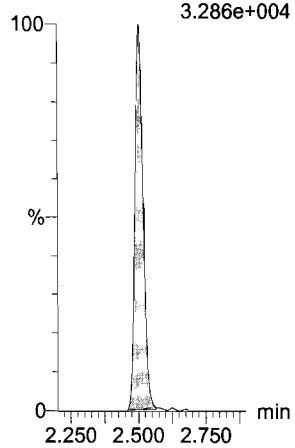
13C2-6:2 FTS



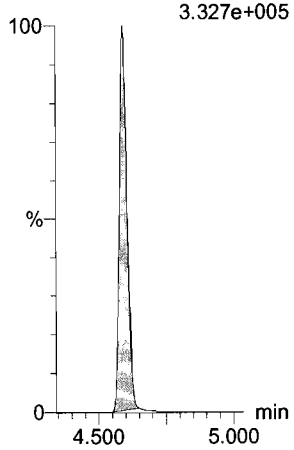
13C2-PFOA



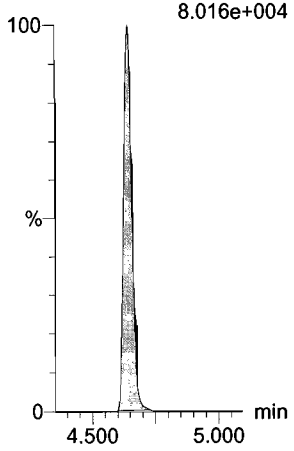
13C3-PFBS



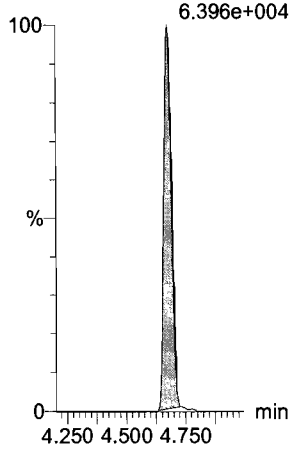
13C5-PFNA



13C8-PFOSA



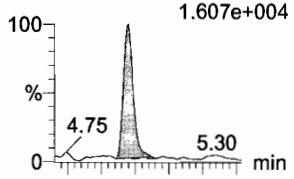
13C8-PFOS

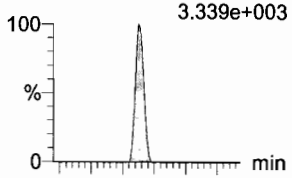


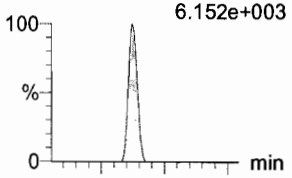
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

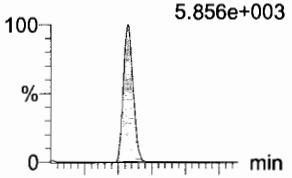
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

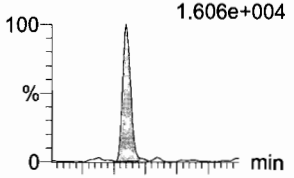
Name: 171026M1_3, Date: 26-Oct-2017, Time: 09:37:20, ID: ST171026M1-2 PFC CS-1 17J3007, Description: PFC CS-1 17J3007

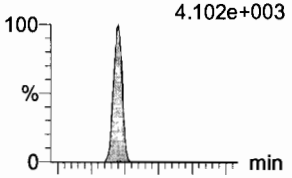
PFDA
F34:MRM of 2 channels,ES-
513 > 468.8
1.607e+004


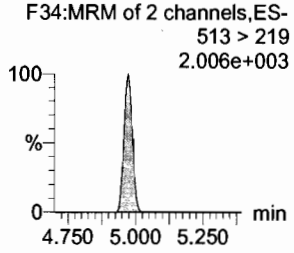
8:2 FTS
F39:MRM of 2 channels,ES-
527 > 506.9
3.339e+003


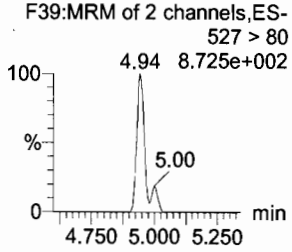
N-MeFOSAA
F44:MRM of 2 channels,ES-
570.1 > 419
6.152e+003


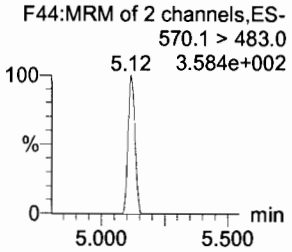
N-EtFOSAA
F47:MRM of 2 channels,ES-
584.2 > 419
5.856e+003


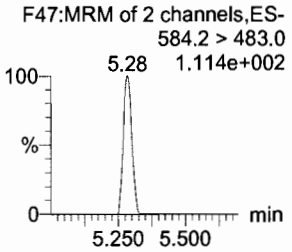
PFUnA
F42:MRM of 2 channels,ES-
563.0 > 518.9
1.606e+004


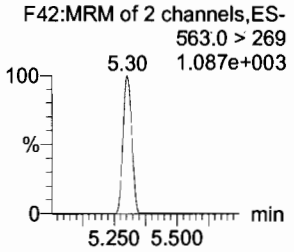
PFDS
F49:MRM of 2 channels,ES-
598.8 > 80
4.102e+003


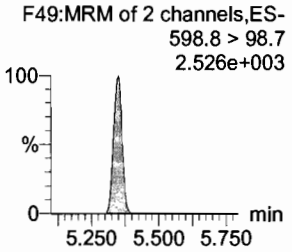
F34:MRM of 2 channels,ES-
513 > 219
2.006e+003


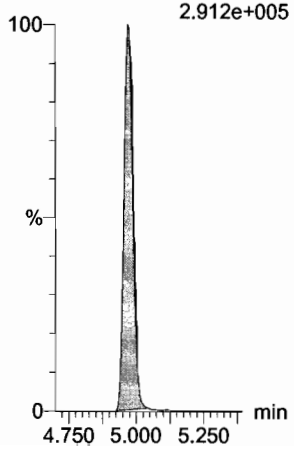
F39:MRM of 2 channels,ES-
527 > 80
4.94 8.725e+002


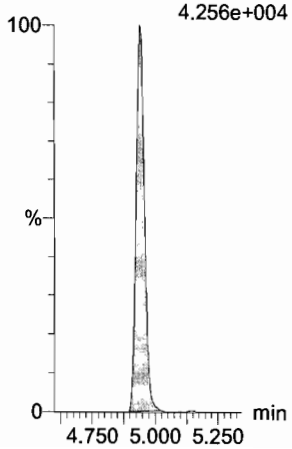
F44:MRM of 2 channels,ES-
570.1 > 483.0
5.12 3.584e+002


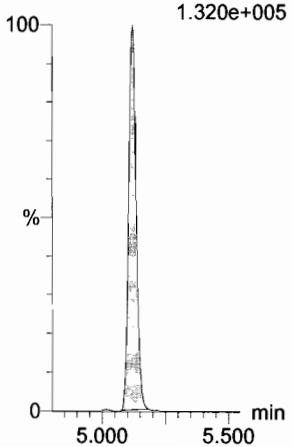
F47:MRM of 2 channels,ES-
584.2 > 483.0
5.28 1.114e+002


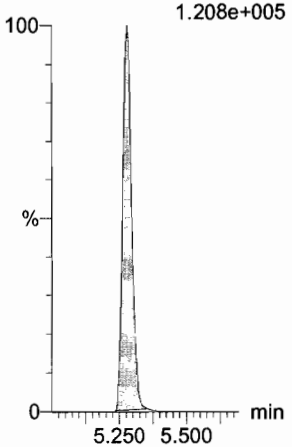
F42:MRM of 2 channels,ES-
563.0 > 269
5.30 1.087e+003


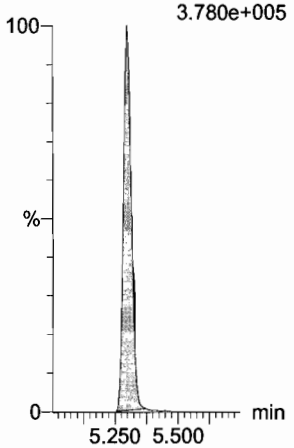
F49:MRM of 2 channels,ES-
598.8 > 98.7
2.526e+003


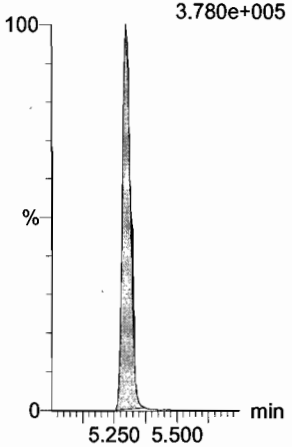
13C2-PFDA
F35:MRM of 1 channel,ES-
515.1 > 469.9
2.912e+005


13C2-8:2 FTS
F40:MRM of 1 channel,ES-
529.1 > 508.7
4.256e+004


d3-N-MeFOSAA
F46:MRM of 1 channel,ES-
573.3 > 419
1.320e+005


d5-N-EtFOSAA
F48:MRM of 1 channel,ES-
589.3 > 419
1.208e+005


13C2-PFUdA
F43:MRM of 1 channel,ES-
565 > 519.8
3.780e+005


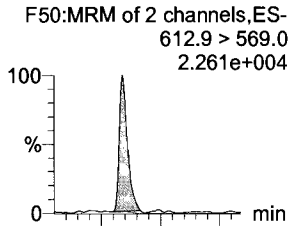
13C2-PFUdA
F43:MRM of 1 channel,ES-
565 > 519.8
3.780e+005


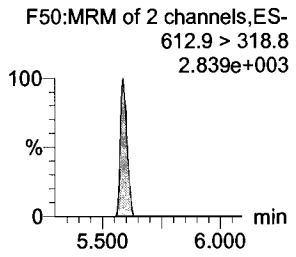
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

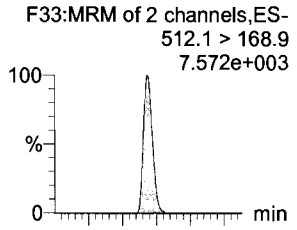
Name: 171026M1_3, Date: 26-Oct-2017, Time: 09:37:20, ID: ST171026M1-2 PFC CS-1 17J3007, Description: PFC CS-1 17J3007

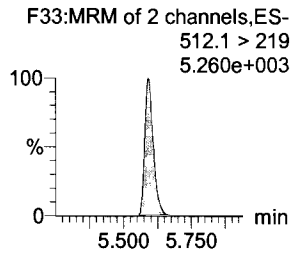
PFDoA



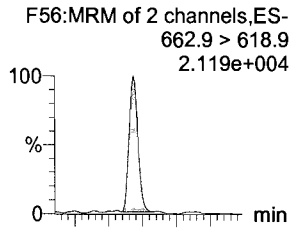


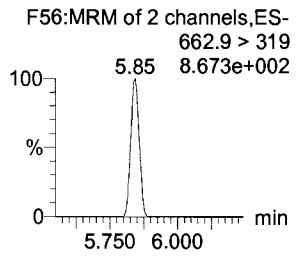
N-MeFOSA



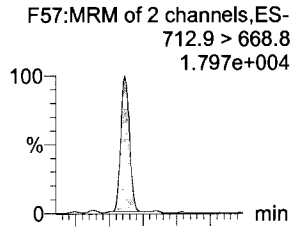


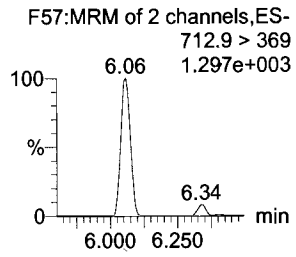
PFTrDA



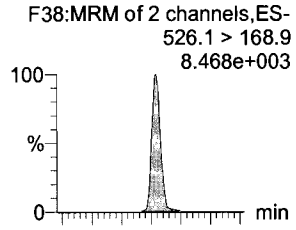


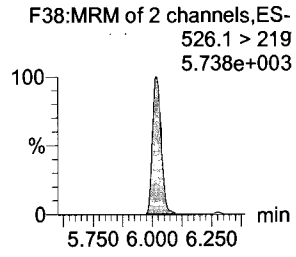
PFTeDA



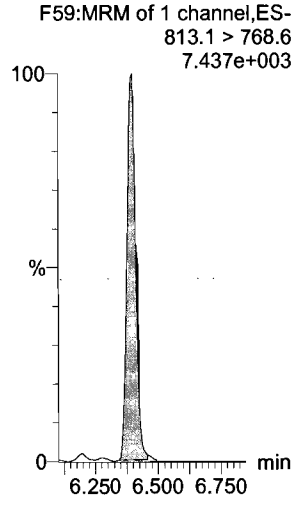


N-EtFOSA

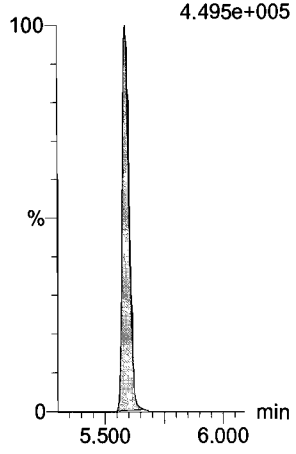




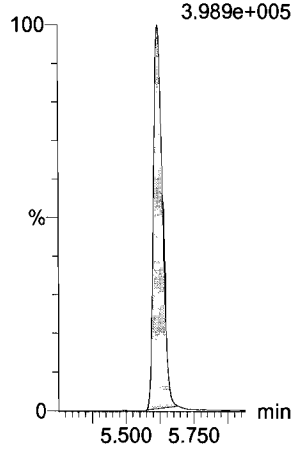
PFHxDA



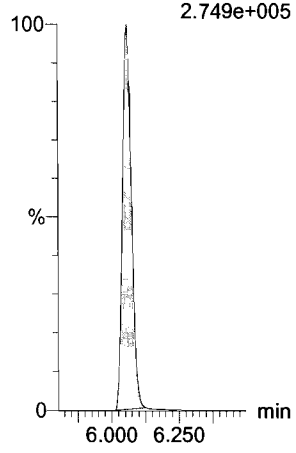
13C2-PFDoA



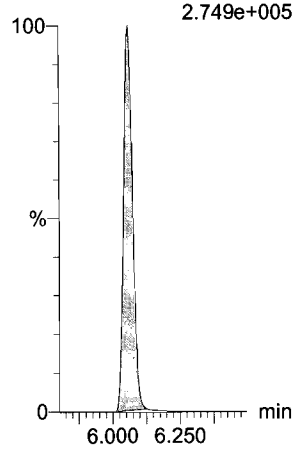
d3-N-MeFOSA



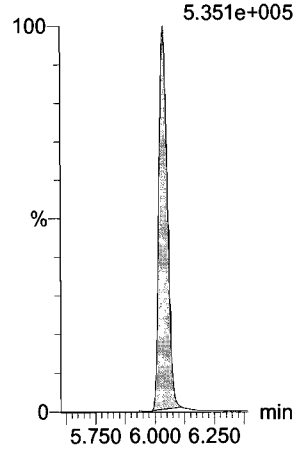
13C2-PFTeDA



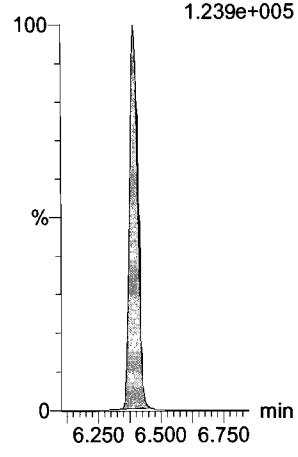
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

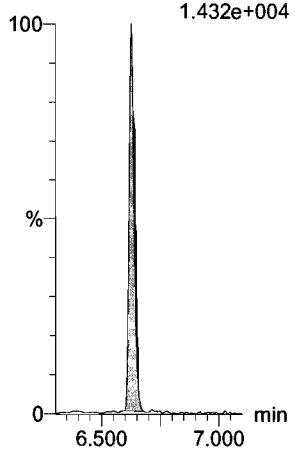


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

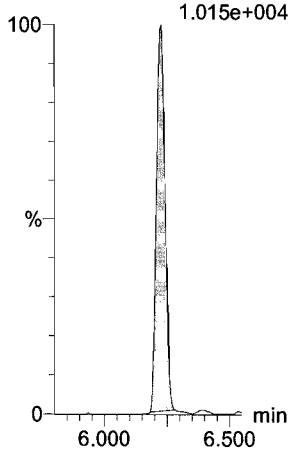
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_3, Date: 26-Oct-2017, Time: 09:37:20, ID: ST171026M1-2 PFC CS-1 17J3007, Description: PFC CS-1 17J3007 I (A)

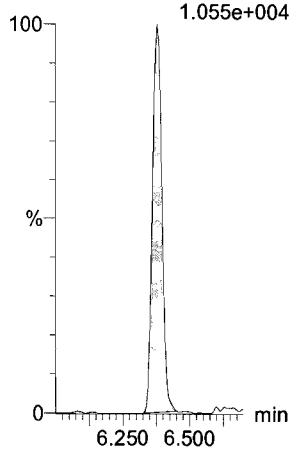
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
1.432e+004



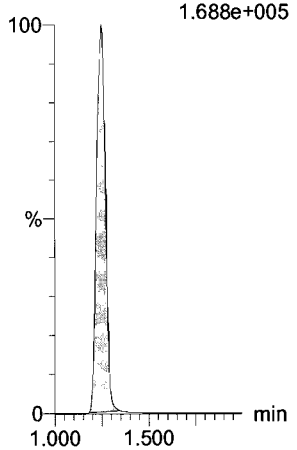
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
1.015e+004



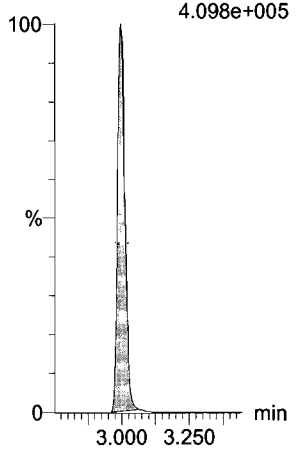
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
1.055e+004



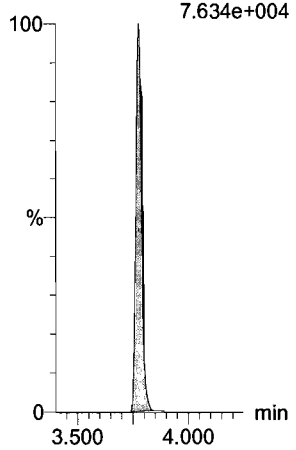
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.688e+005



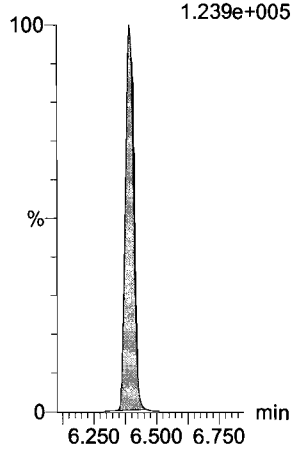
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
4.098e+005



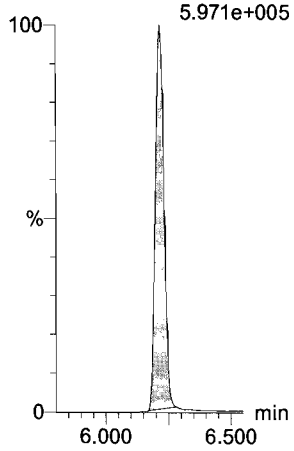
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
7.634e+004



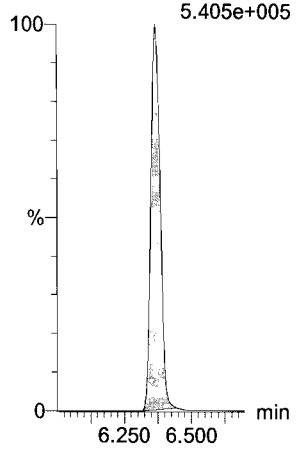
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.239e+005



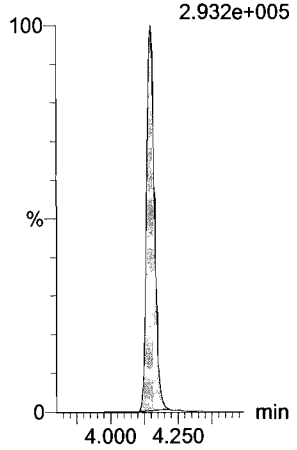
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
5.971e+005



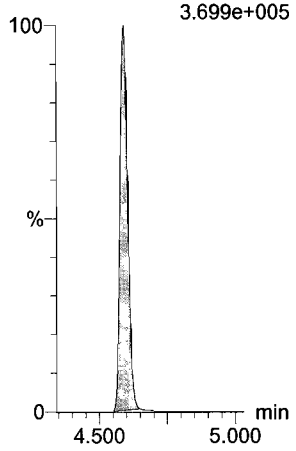
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
5.405e+005



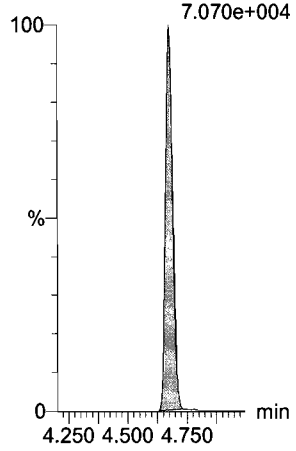
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
2.932e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.699e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
7.070e+004



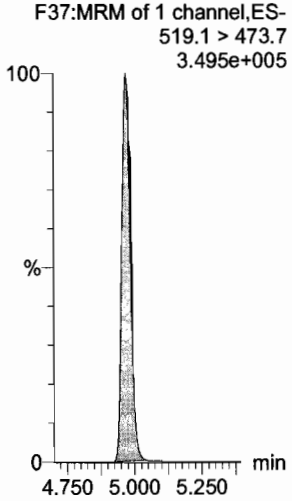
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

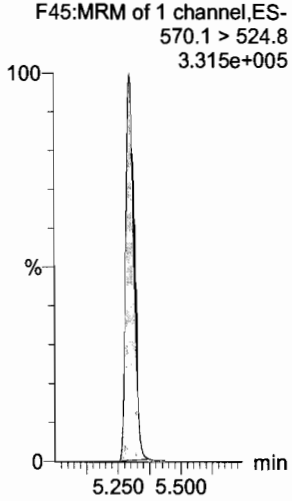
I (A)

Name: 171026M1_3, Date: 26-Oct-2017, Time: 09:37:20, ID: ST171026M1-2 PFC CS-1 17J3007, Description: PFC CS-1 17J3007

13C6-PFDA



13C7-PFUnA

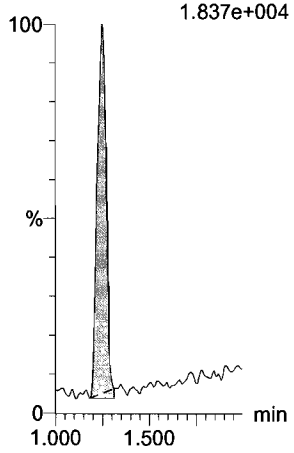


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

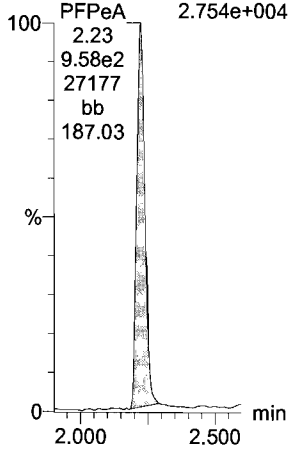
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_4, Date: 26-Oct-2017, Time: 09:48:39, ID: ST171026M1-3 PFC CS0 17J1805, Description: PFC CS0 17J1805

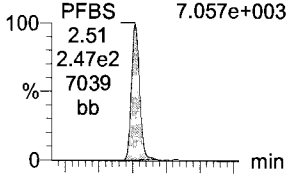
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
1.837e+004



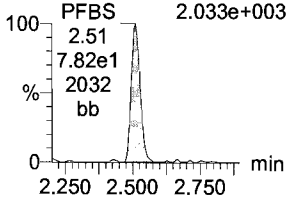
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
2.754e+004



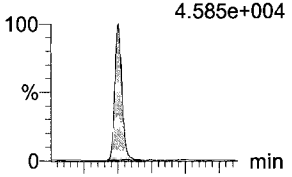
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
7.057e+003



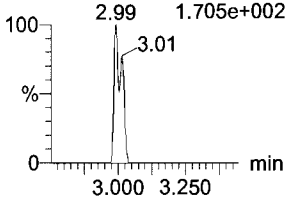
F6:MRM of 2 channels,ES-
299.0 > 99.0
2.033e+003



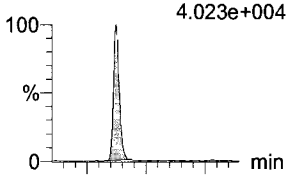
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
4.585e+004



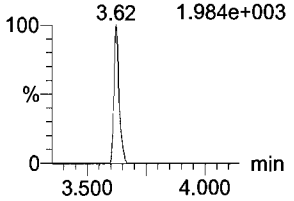
F8:MRM of 2 channels,ES-
313.2 > 119
1.705e+002



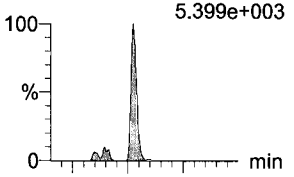
PFHpA
F13:MRM of 2 channels,ES-
363.0 > 318.9
4.023e+004



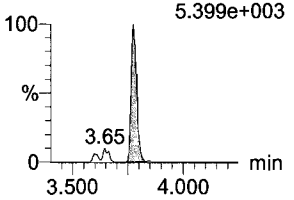
F13:MRM of 2 channels,ES-
363.0 > 169.0
1.984e+003



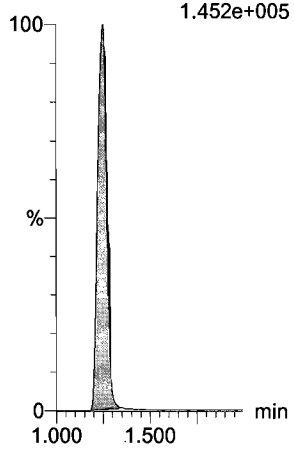
L-PFHxS
F15:MRM of 2 channels,ES-
398.9 > 79.6
5.399e+003



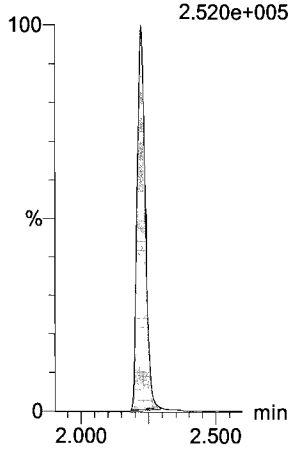
F15:MRM of 2 channels,ES-
398.9 > 79.6
5.399e+003



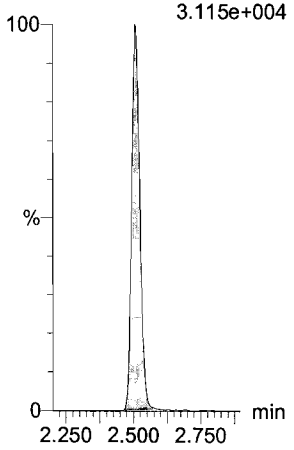
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
1.452e+005



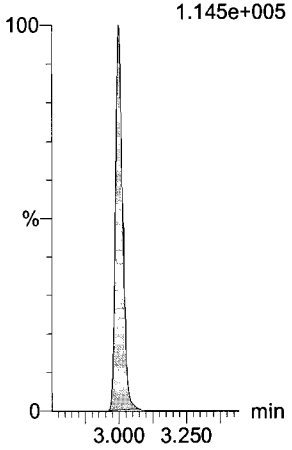
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.520e+005



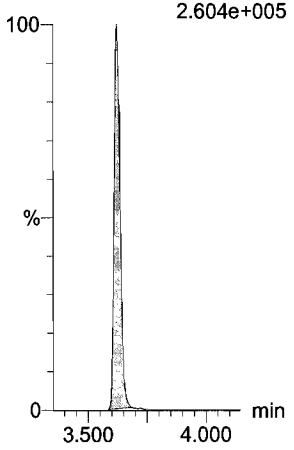
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.115e+004



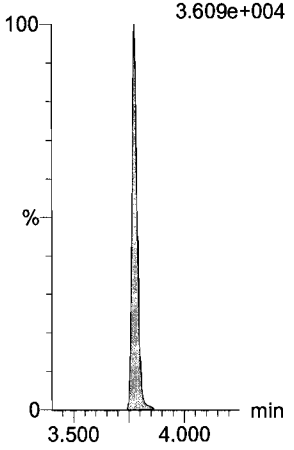
13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
1.145e+005



13C4-PFHpA
F14:MRM of 1 channel,ES-
367.2 > 321.8
2.604e+005



18O2-PFHxS
F17:MRM of 1 channel,ES-
403.0 > 102.6
3.609e+004



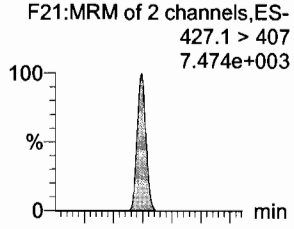
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

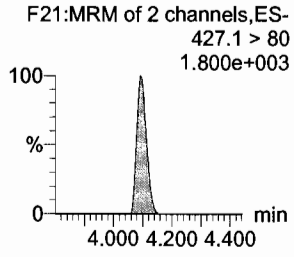
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

I (A)

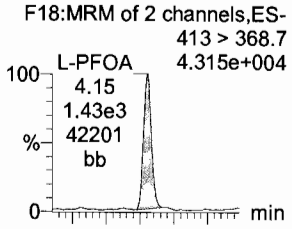
Name: 171026M1_4, Date: 26-Oct-2017, Time: 09:48:39, ID: ST171026M1-3 PFC CS0 17J1805, Description: PFC CS0 17J1805

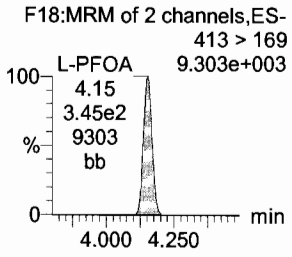
6:2 FTS



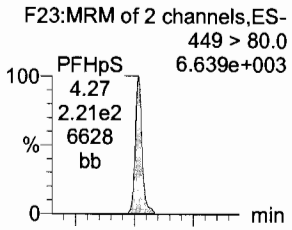


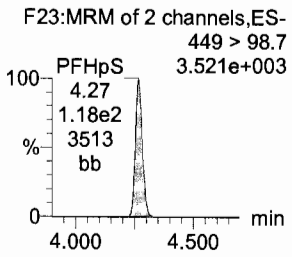
L-PFOA



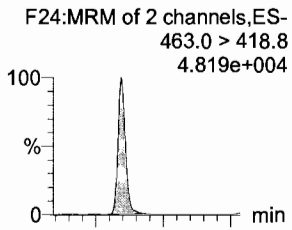


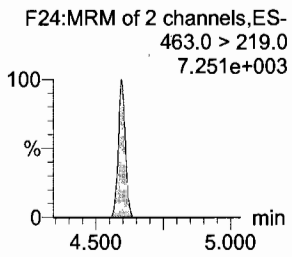
PFHpS



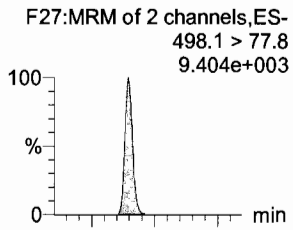


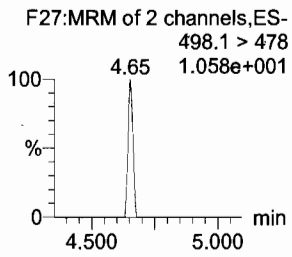
PFNA



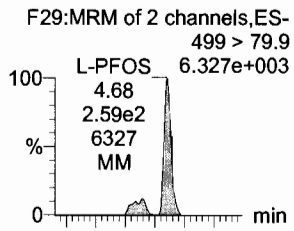


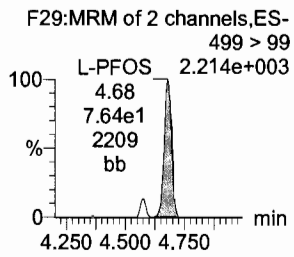
PFOSA



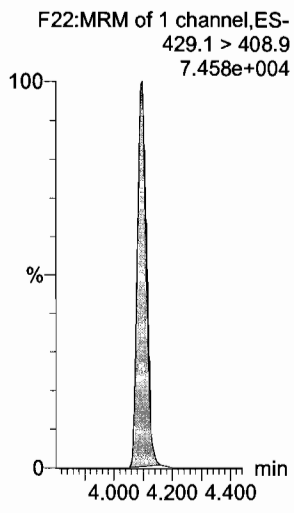


L-PFOS

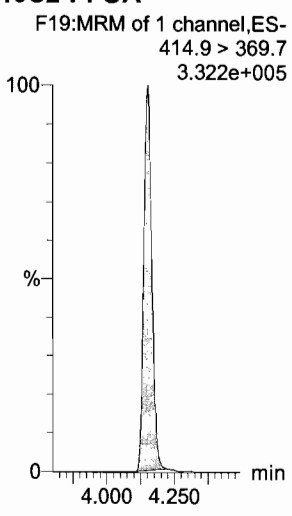




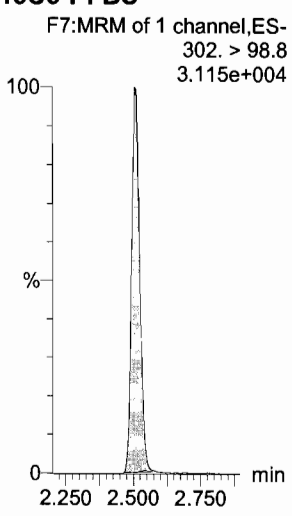
13C2-6:2 FTS



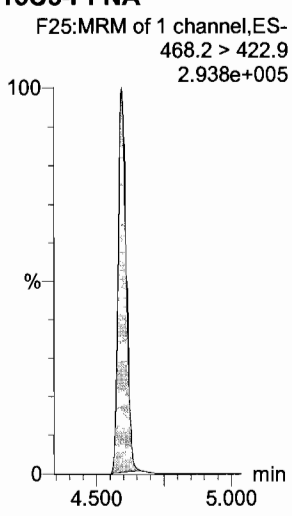
13C2-PFOA



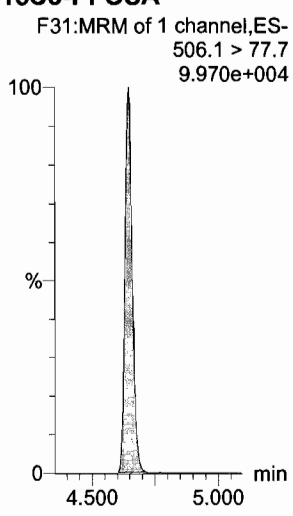
13C3-PFBS



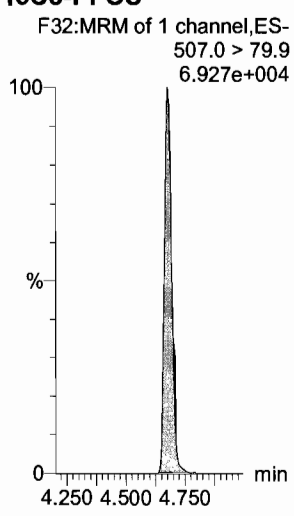
13C5-PFNA



13C8-PFOSA



13C8-PFOS

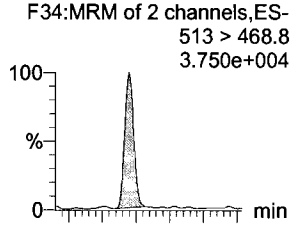


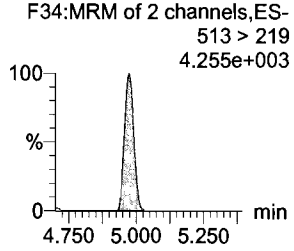
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

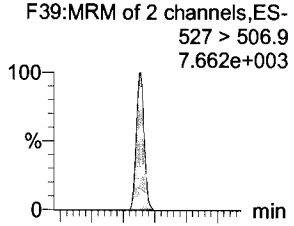
Name: 171026M1_4, Date: 26-Oct-2017, Time: 09:48:39, ID: ST171026M1-3 PFC CS0 17J1805, Description: PFC CS0 17J1805

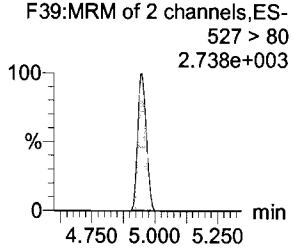
PFDA



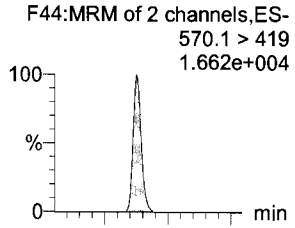


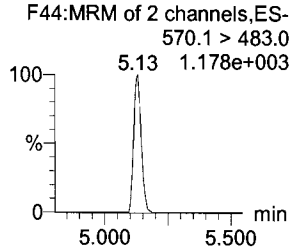
8:2 FTS



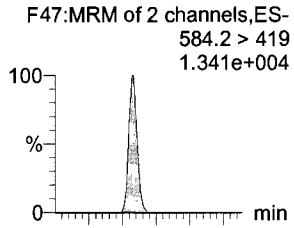


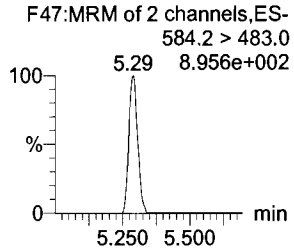
N-MeFOSAA



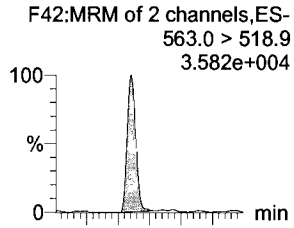


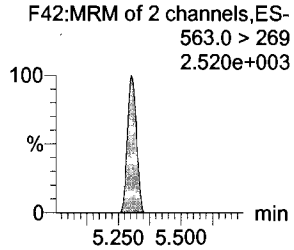
N-EtFOSAA



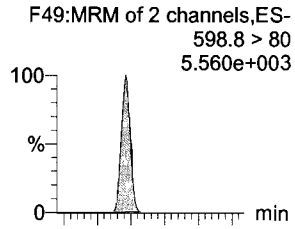


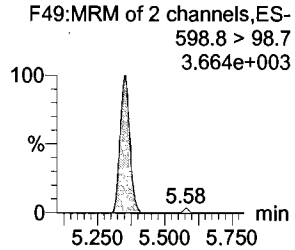
PFUnA



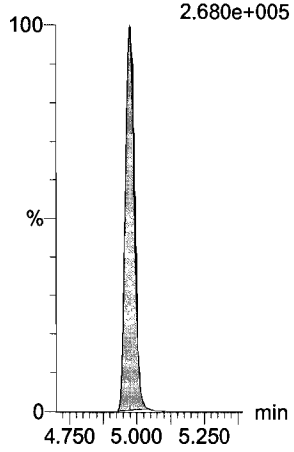


PFDS

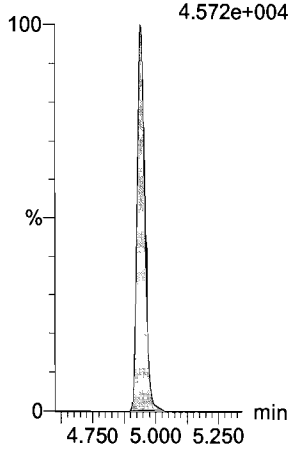




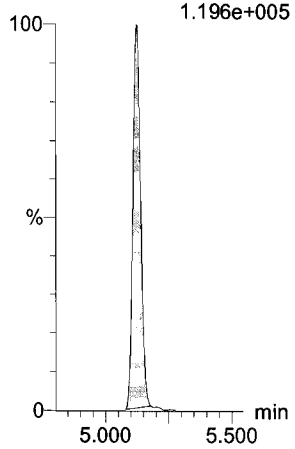
13C2-PFDA



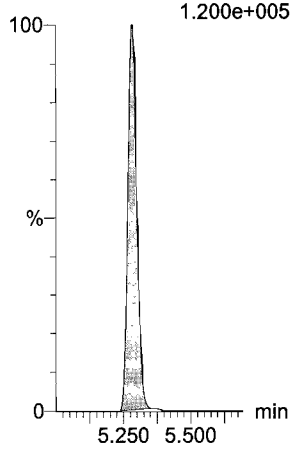
13C2-8:2 FTS



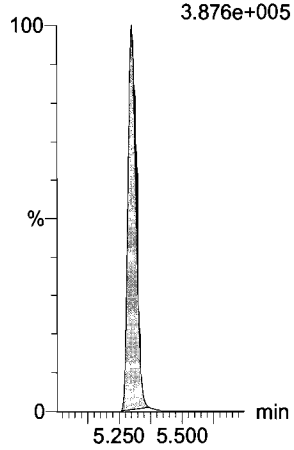
d3-N-MeFOSAA



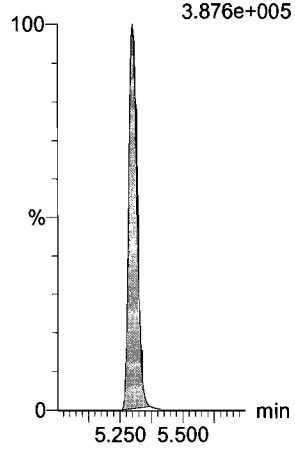
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA

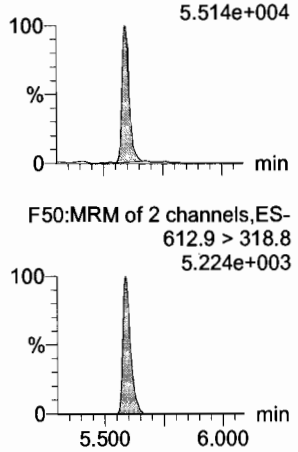


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

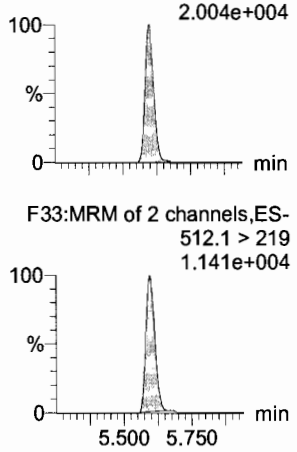
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_4, Date: 26-Oct-2017, Time: 09:48:39, ID: ST171026M1-3 PFC CS0 17J1805, Description: PFC CS0 17J1805

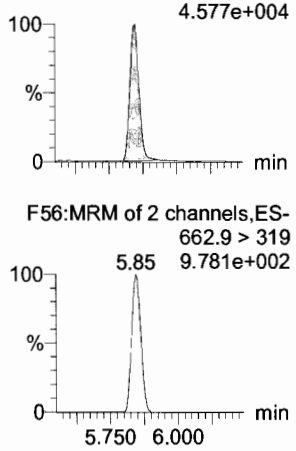
PFDoA
F50:MRM of 2 channels,ES-
612.9 > 569.0
5.514e+004
F50:MRM of 2 channels,ES-
612.9 > 318.8
5.224e+003



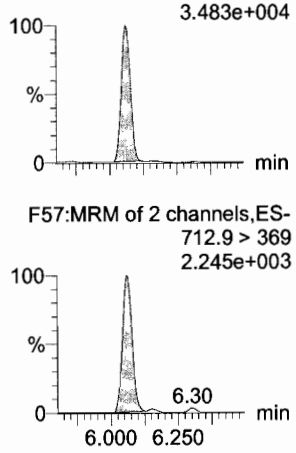
N-MeFOSA
F33:MRM of 2 channels,ES-
512.1 > 168.9
2.004e+004
F33:MRM of 2 channels,ES-
512.1 > 219
1.141e+004



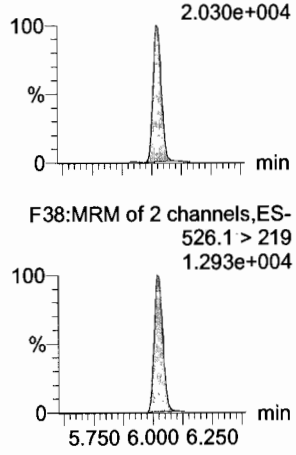
PFTrDA
F56:MRM of 2 channels,ES-
662.9 > 618.9
4.577e+004
F56:MRM of 2 channels,ES-
662.9 > 319
5.85 9.781e+002



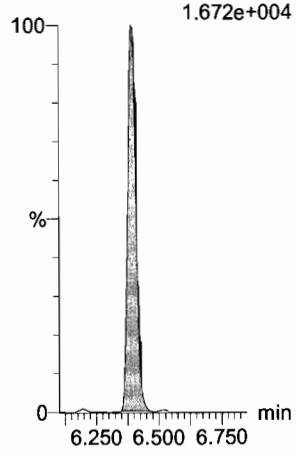
PFTeDA
F57:MRM of 2 channels,ES-
712.9 > 668.8
3.483e+004
F57:MRM of 2 channels,ES-
712.9 > 369
2.245e+003



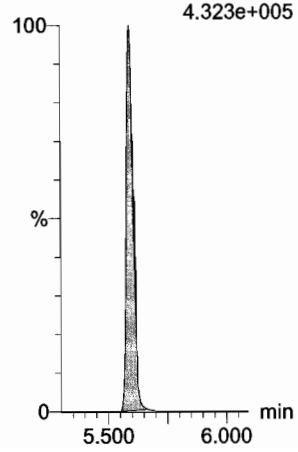
N-EtFOSA
F38:MRM of 2 channels,ES-
526.1 > 168.9
2.030e+004
F38:MRM of 2 channels,ES-
526.1 > 219
1.293e+004



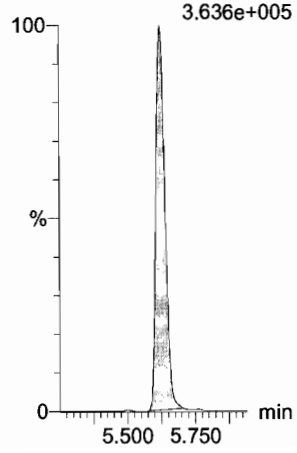
PFHxDA
F59:MRM of 1 channel,ES-
813.1 > 768.6
1.672e+004



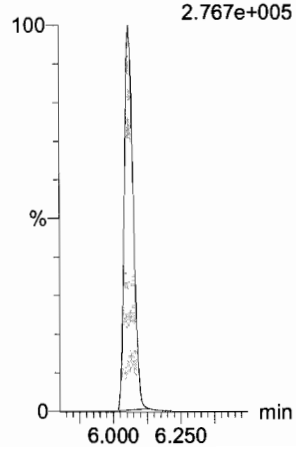
13C2-PFDoA
F51:MRM of 1 channel,ES-
615.0 > 569.7
4.323e+005



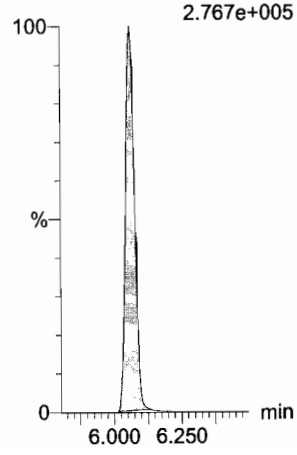
d3-N-MeFOSA
F36:MRM of 1 channel,ES-
515.2 > 168.9
3.636e+005



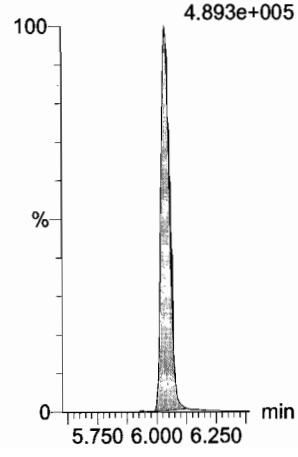
13C2-PFTeDA
F58:MRM of 2 channels,ES-
714.8 > 669.6
2.767e+005



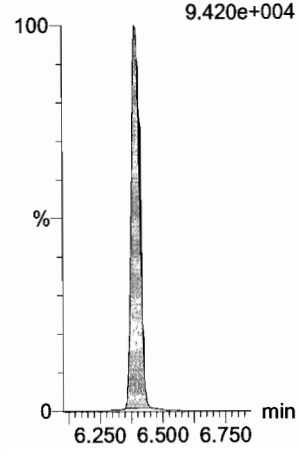
13C2-PFTeDA
F58:MRM of 2 channels,ES-
714.8 > 669.6
2.767e+005



d5-N-ETFOSA
F41:MRM of 1 channel,ES-
531.1 > 168.9
4.893e+005



13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
9.420e+004



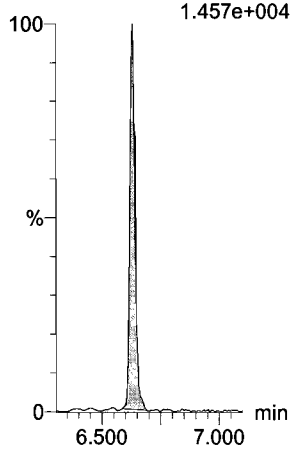
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

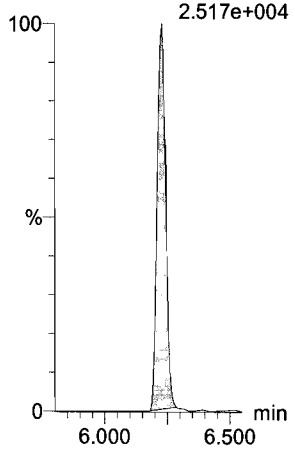
1(A)

Name: 171026M1_4, Date: 26-Oct-2017, Time: 09:48:39, ID: ST171026M1-3 PFC CS0 17J1805, Description: PFC CS0 17J1805

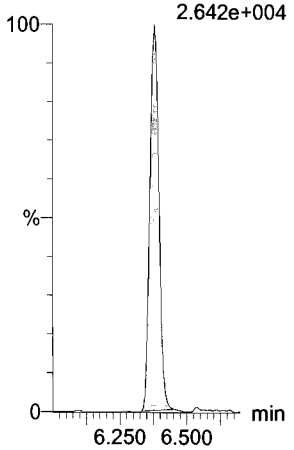
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
1.457e+004



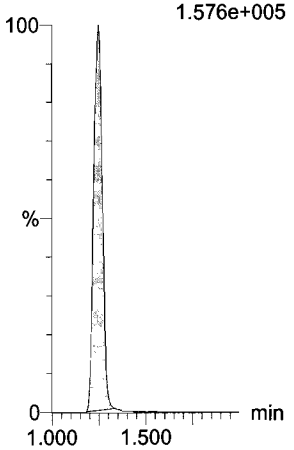
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
2.517e+004



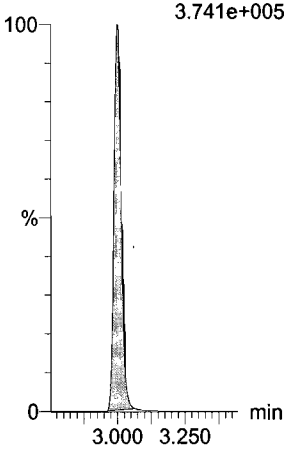
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
2.642e+004



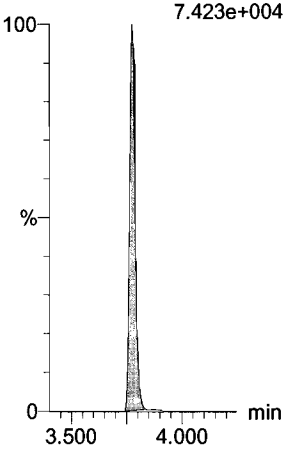
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.576e+005



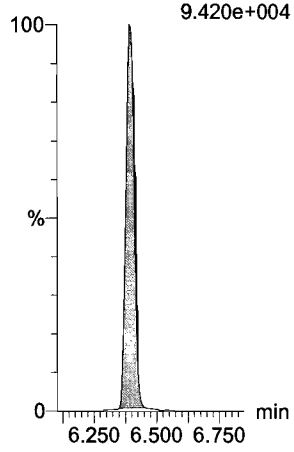
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
3.741e+005



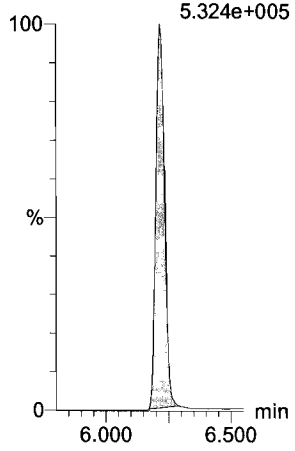
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
7.423e+004



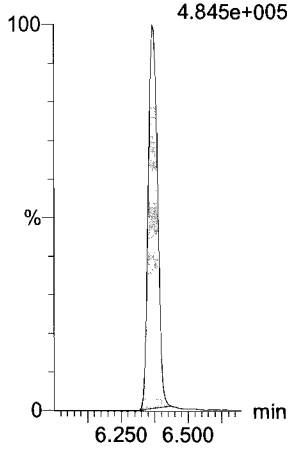
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
9.420e+004



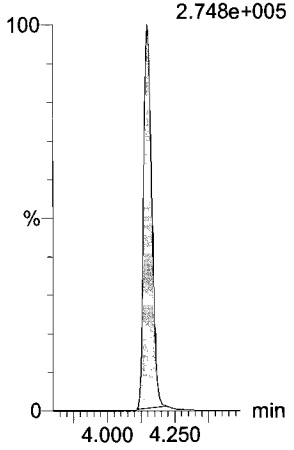
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
5.324e+005



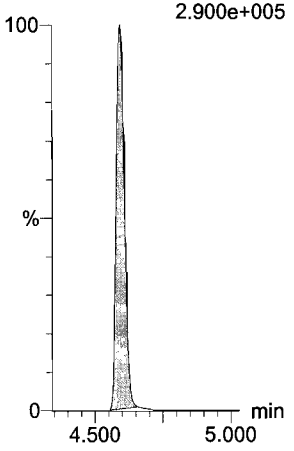
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
4.845e+005



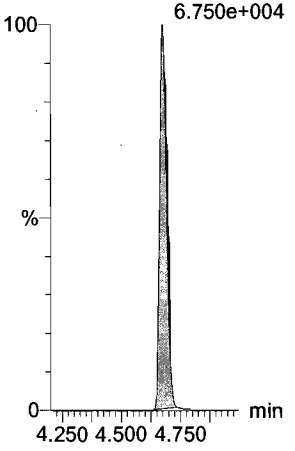
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
2.748e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
2.900e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
6.750e+004



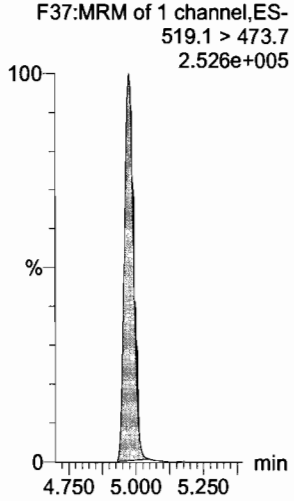
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

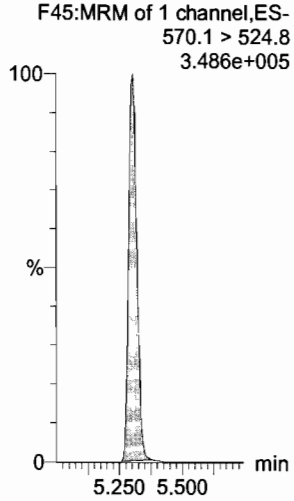
I (A)

Name: 171026M1_4, Date: 26-Oct-2017, Time: 09:48:39, ID: ST171026M1-3 PFC CS0 17J1805, Description: PFC CS0 17J1805

13C6-PFDA



13C7-PFUnA



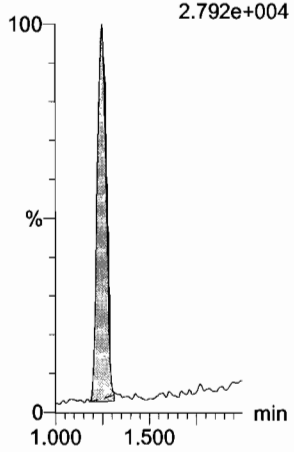
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

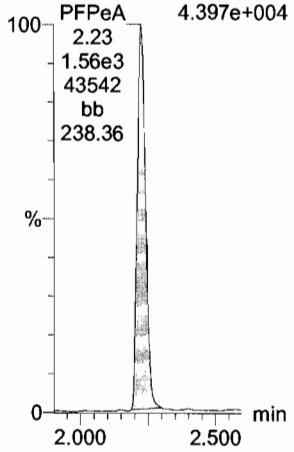
I 6

Name: 171026M1_5, Date: 26-Oct-2017, Time: 09:59:50, ID: ST171026M1-4 PFC CS1 17J3009, Description: PFC CS1 17J3009

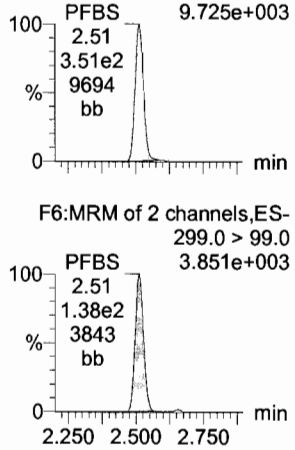
PFBA



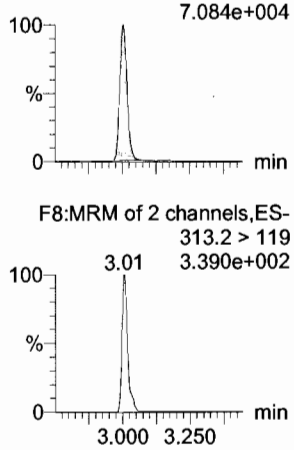
PFPeA



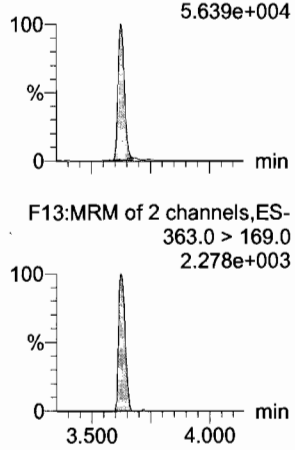
PFBS



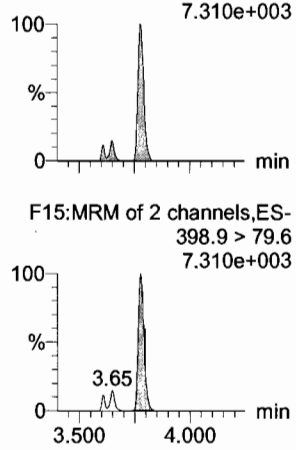
PFHxA



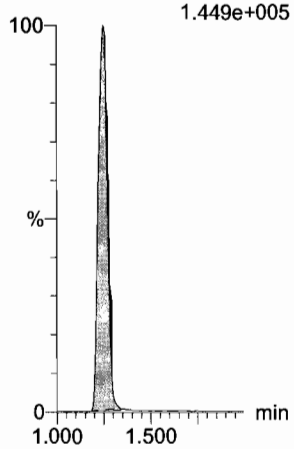
PFHpA



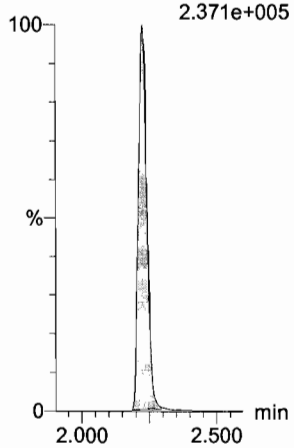
L-PFHxS



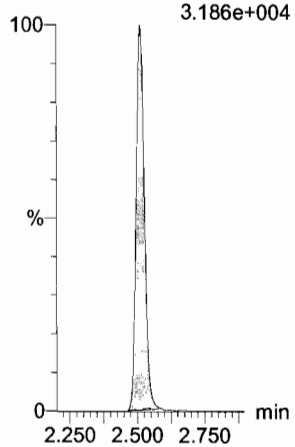
13C3-PFBA



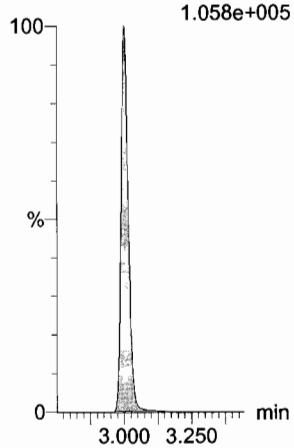
13C3-PFPeA



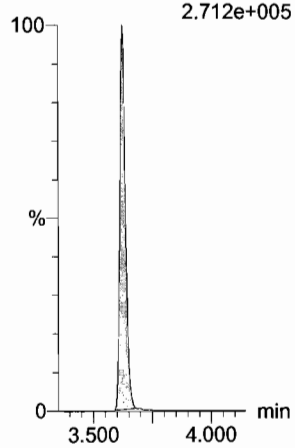
13C3-PFBS



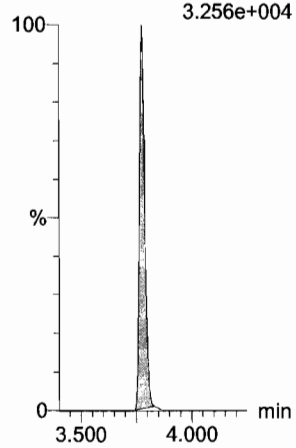
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

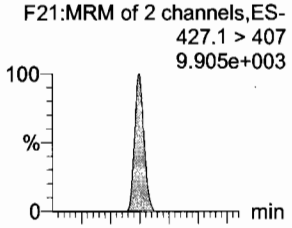


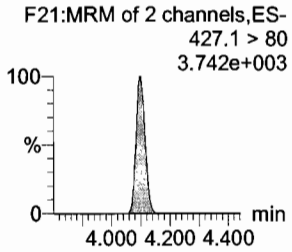
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

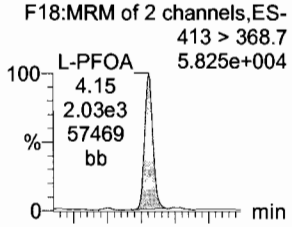
Name: 171026M1_5, Date: 26-Oct-2017, Time: 09:59:50, ID: ST171026M1-4 PFC CS1 17J3009, Description: PFC CS1 17J3009

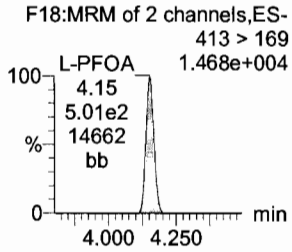
6:2 FTS



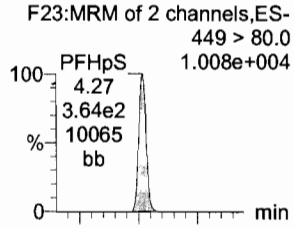


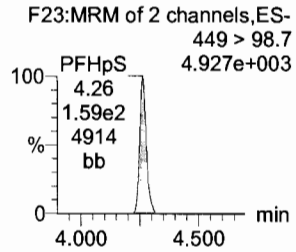
L-PFOA



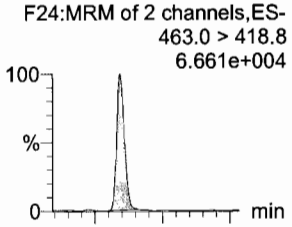


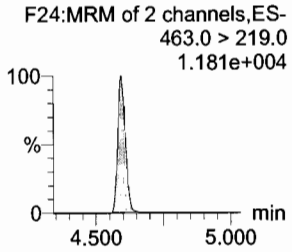
PFHpS



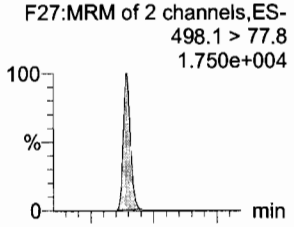


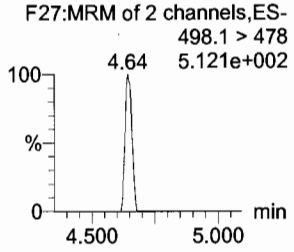
PFNA



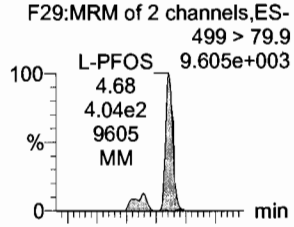


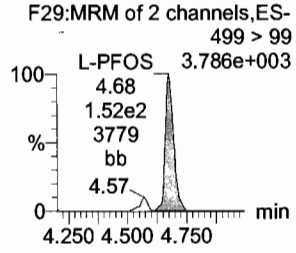
PFOSA



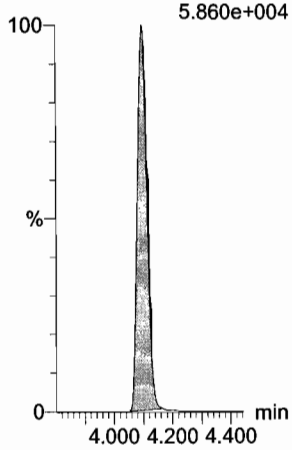


L-PFOS

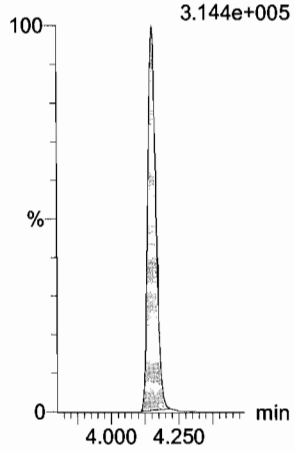




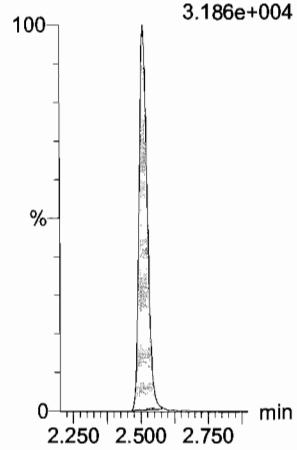
13C2-6:2 FTS



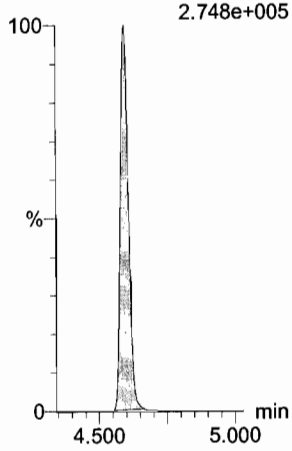
13C2-PFOA



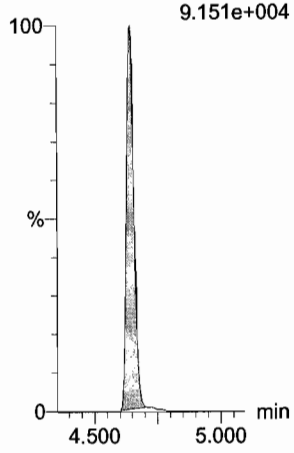
13C3-PFBS



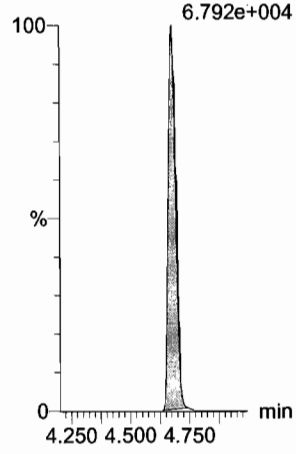
13C5-PFNA



13C8-PFOSA



13C8-PFOS



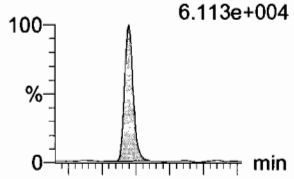
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

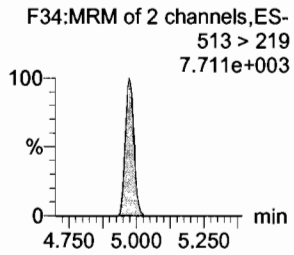
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

I (A)

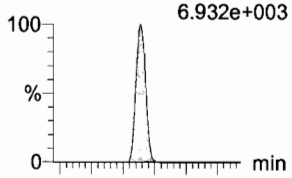
Name: 171026M1_5, Date: 26-Oct-2017, Time: 09:59:50, ID: ST171026M1-4 PFC CS1 17J3009, Description: PFC CS1 17J3009

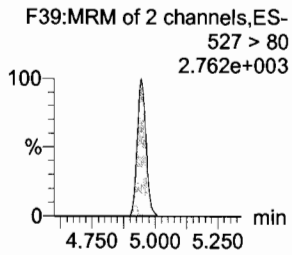
PFDA



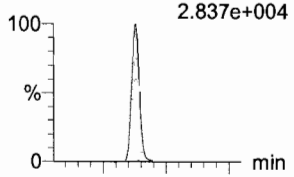


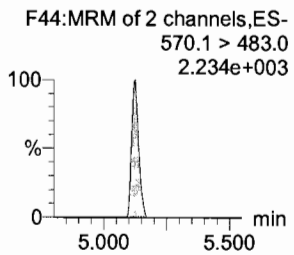
8:2 FTS



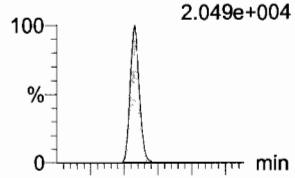


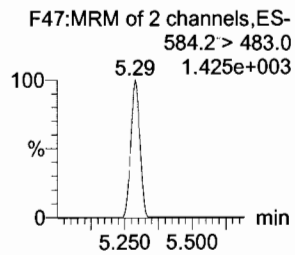
N-MeFOSAA



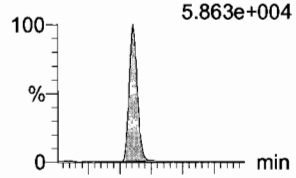


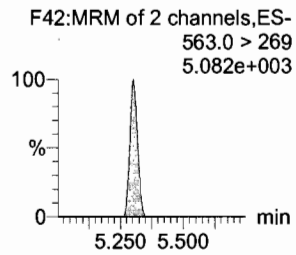
N-EtFOSAA



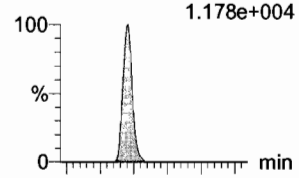


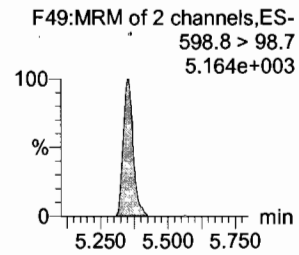
PFUnA



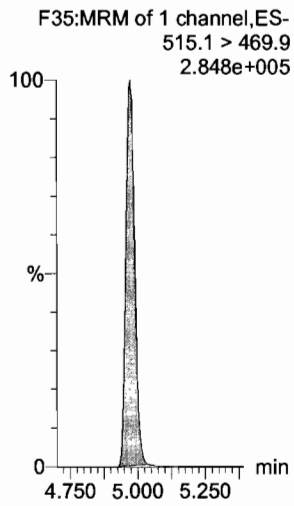


PFDS

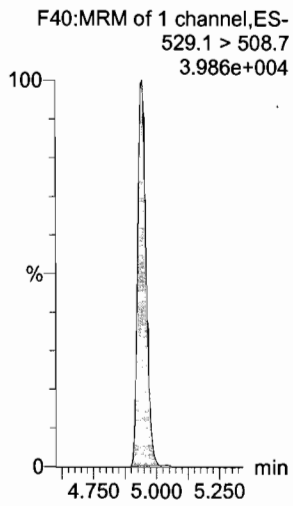




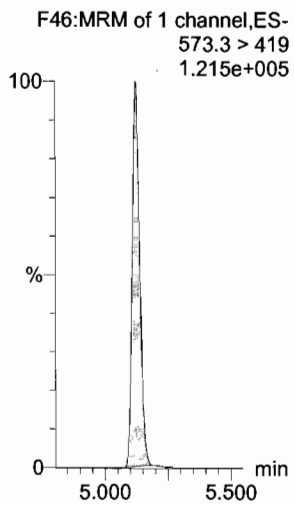
13C2-PFDA



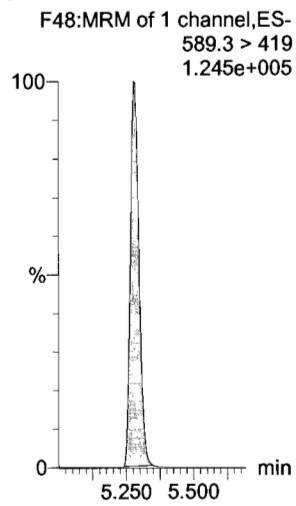
13C2-8:2 FTS



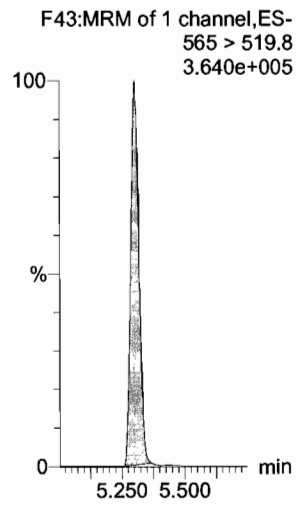
d3-N-MeFOSAA



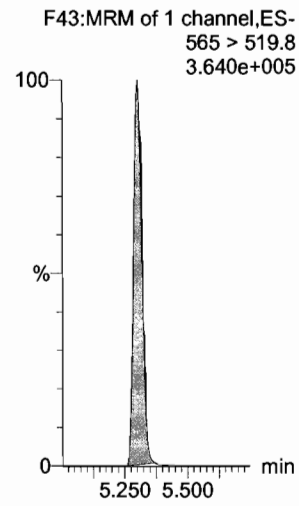
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



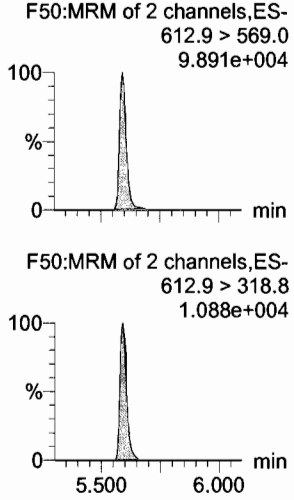
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

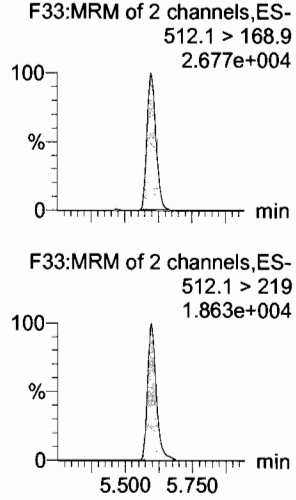
I (A)

Name: 171026M1_5, Date: 26-Oct-2017, Time: 09:59:50, ID: ST171026M1-4 PFC CS1 17J3009, Description: PFC CS1 17J3009

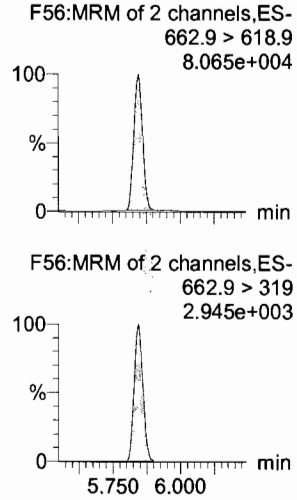
PFDoA



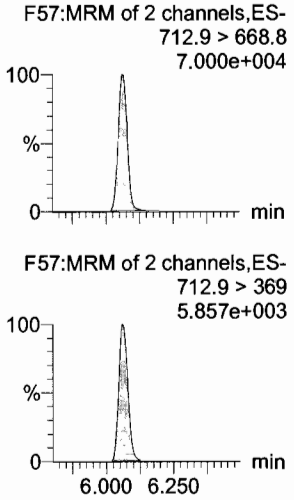
N-MeFOSA



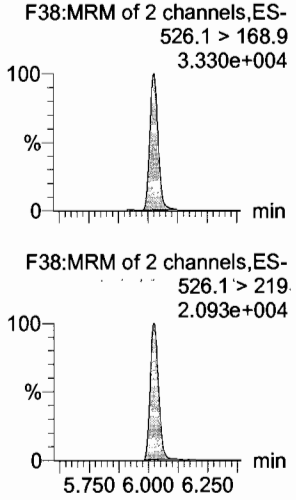
PFTrDA



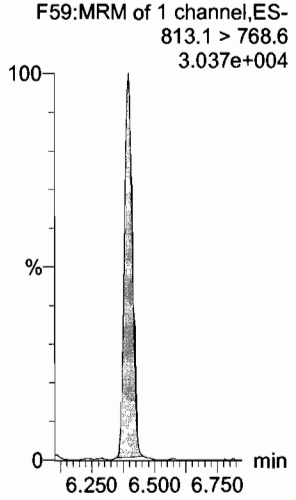
PFTeDA



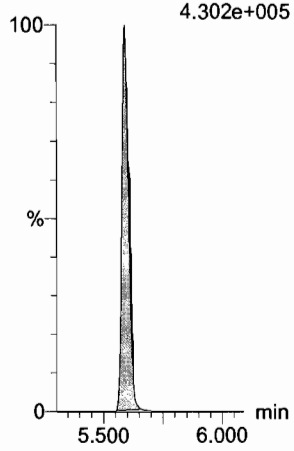
N-EtFOSA



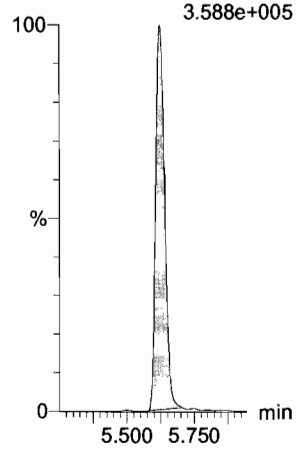
PFHxDA



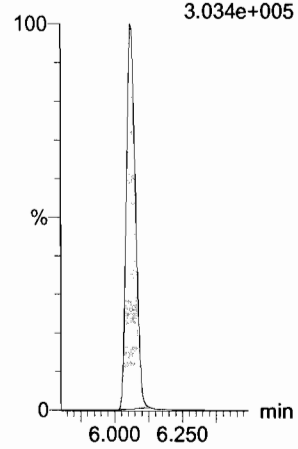
13C2-PFDoA



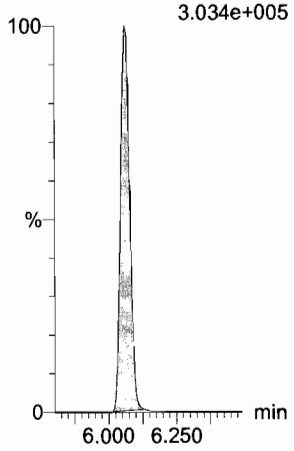
d3-N-MeFOSA



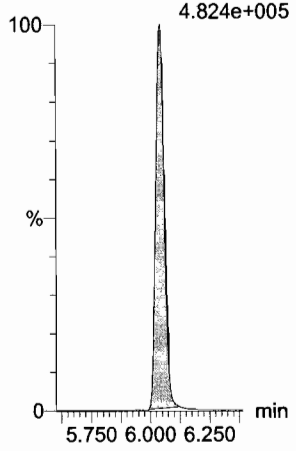
13C2-PFTeDA



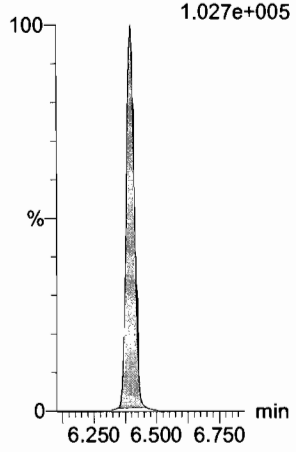
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



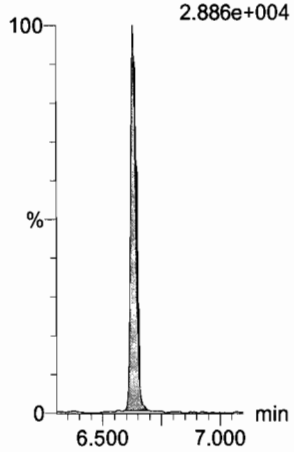
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

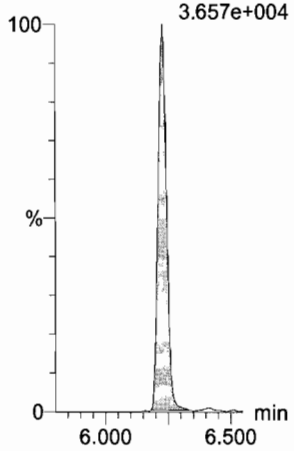
I (A)

Name: 171026M1_5, Date: 26-Oct-2017, Time: 09:59:50, ID: ST171026M1-4 PFC CS1 17J3009, Description: PFC CS1 17J3009

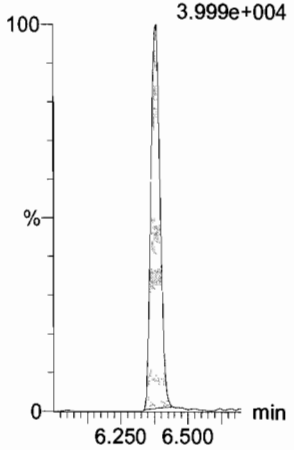
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
2.886e+004



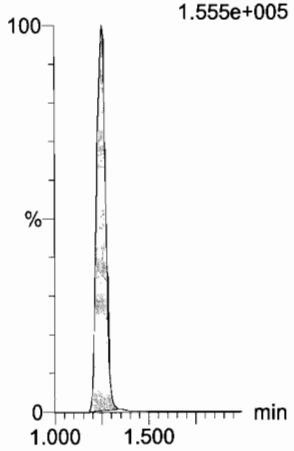
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
3.657e+004



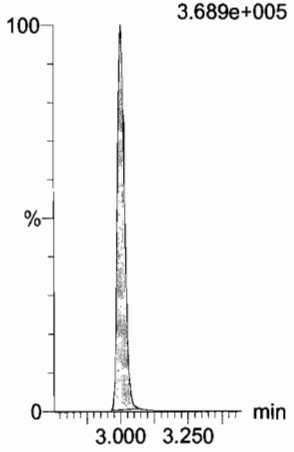
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
3.999e+004



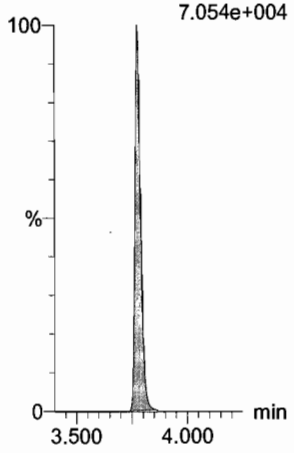
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.555e+005



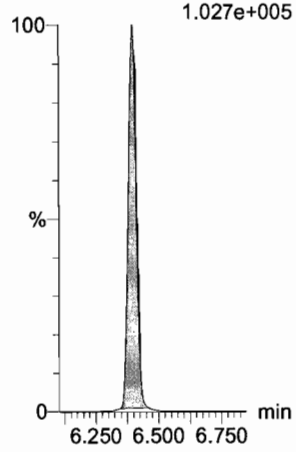
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
3.689e+005



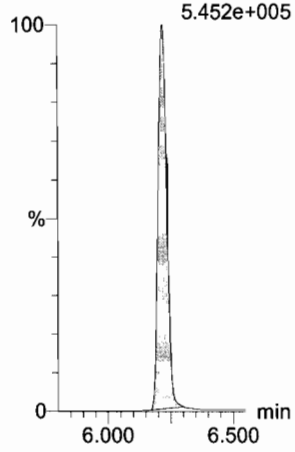
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
7.054e+004



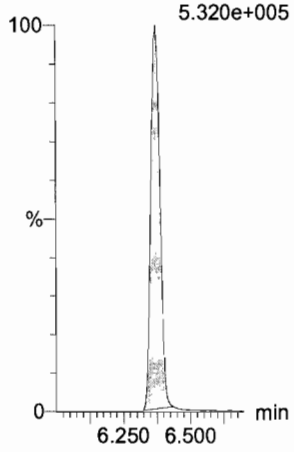
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.027e+005



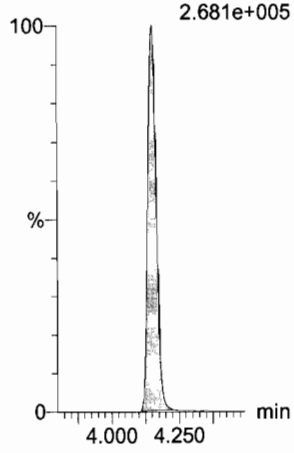
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
5.452e+005



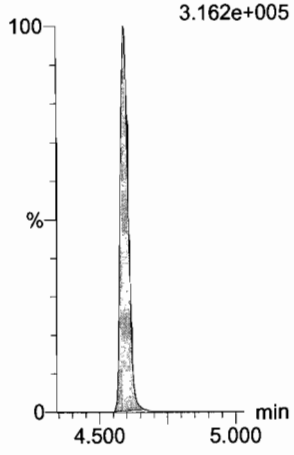
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
5.320e+005



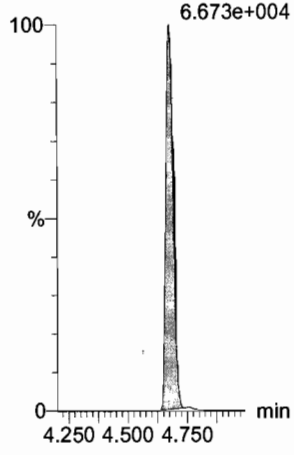
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
2.681e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.162e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
6.673e+004



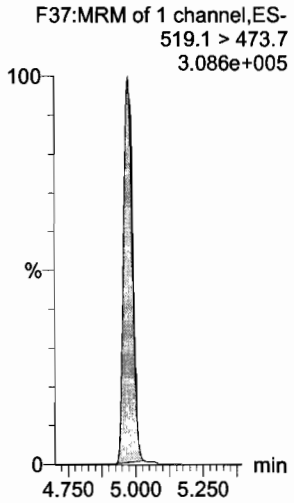
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

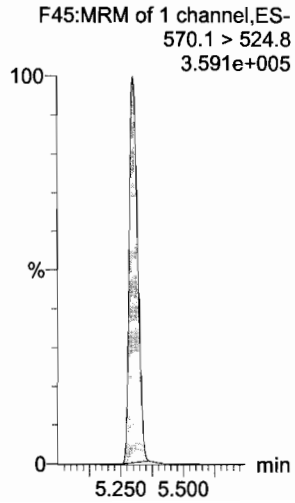
7 (A)

Name: 171026M1_5, Date: 26-Oct-2017, Time: 09:59:50, ID: ST171026M1-4 PFC CS1 17J3009, Description: PFC CS1 17J3009

13C6-PFDA



13C7-PFUnA

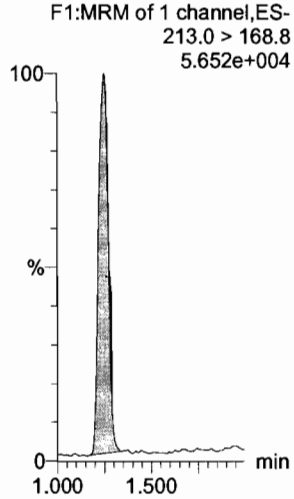


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

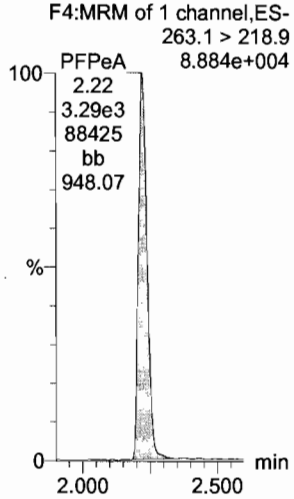
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_6, Date: 26-Oct-2017, Time: 10:11:00, ID: ST171026M1-5 PFC CS2 17J2519, Description: PFC CS2 17J2519

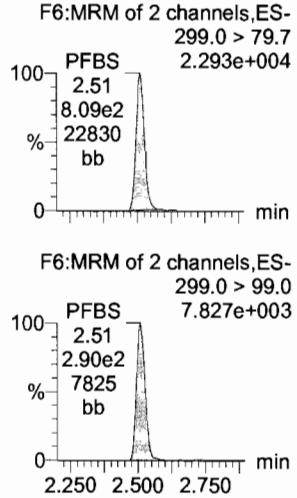
PFBA



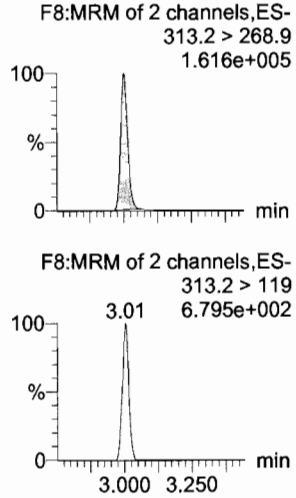
PFPeA



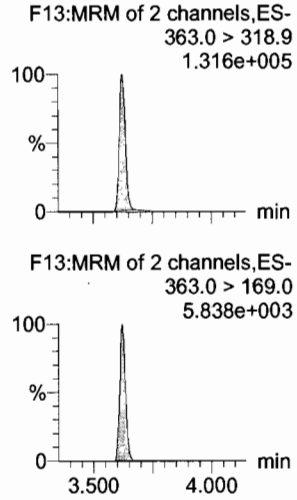
PFBS



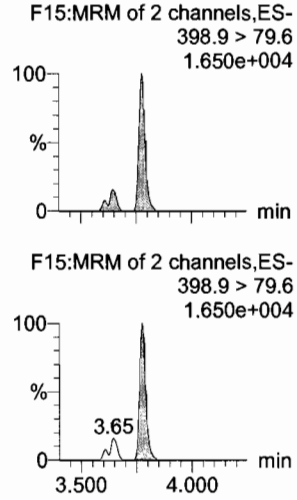
PFHxA



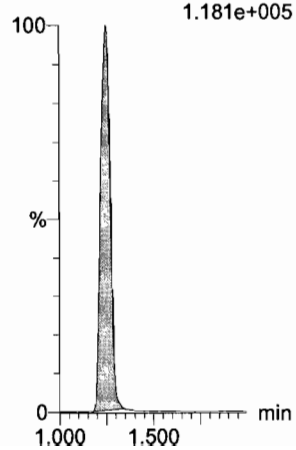
PFHpA



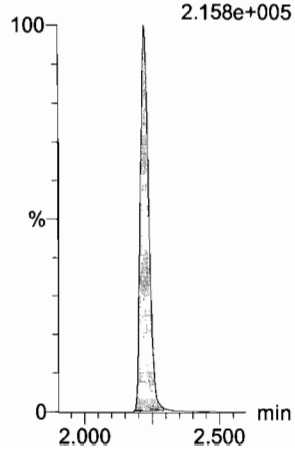
L-PFHxS



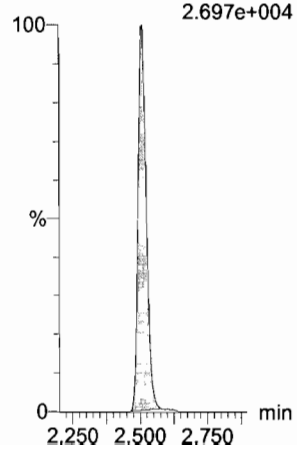
13C3-PFBA



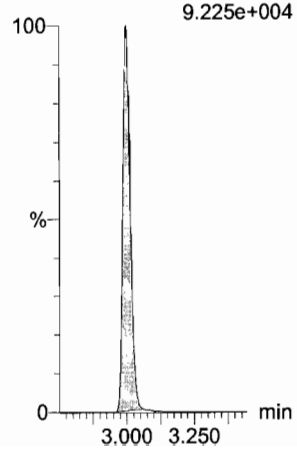
13C3-PFPeA



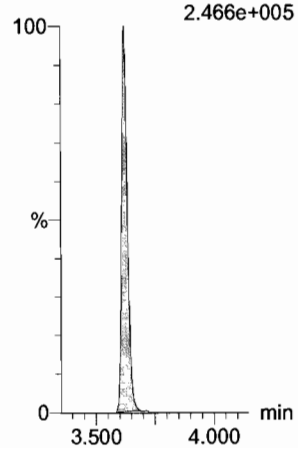
13C3-PFBS



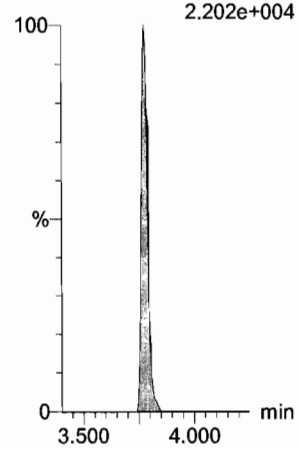
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

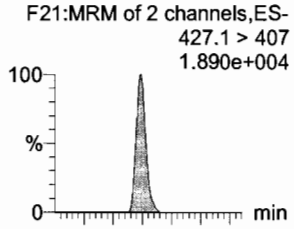


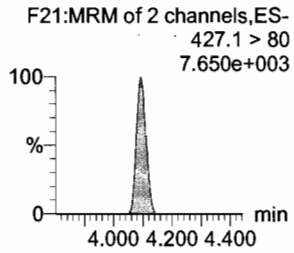
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

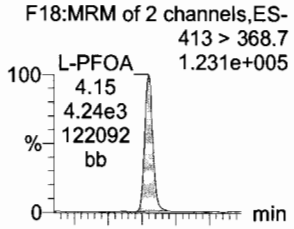
Name: 171026M1_6, Date: 26-Oct-2017, Time: 10:11:00, ID: ST171026M1-5 PFC CS2 17J2519, Description: PFC CS2 17J2519

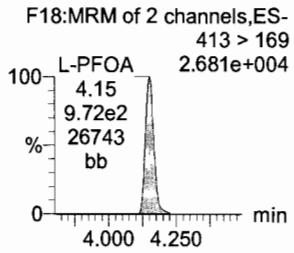
6:2 FTS



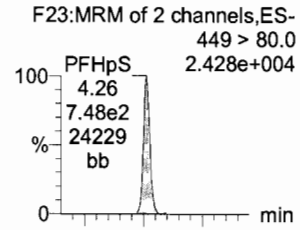


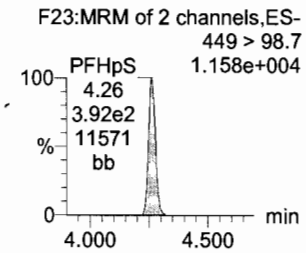
L-PFOA



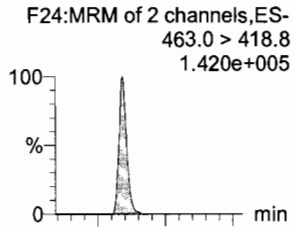


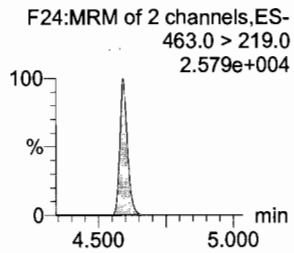
PFHpS



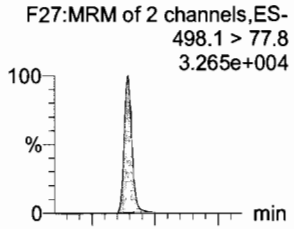


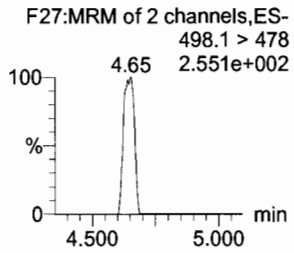
PFNA



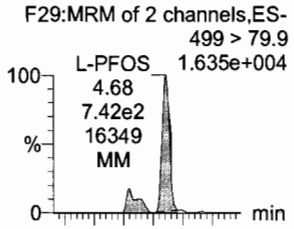


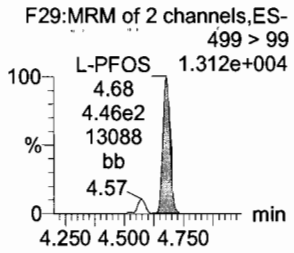
PFOSA



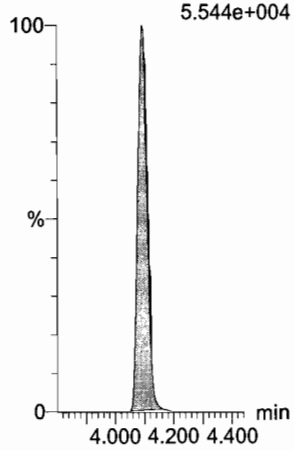


L-PFOS

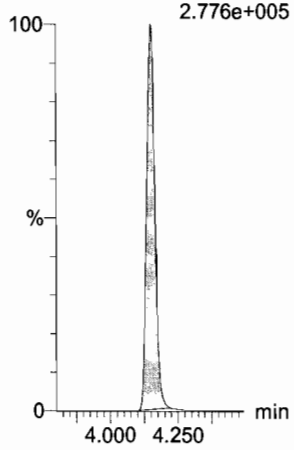




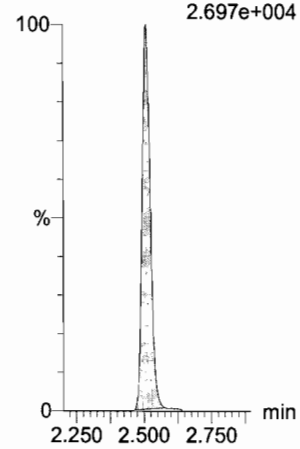
13C2-6:2 FTS



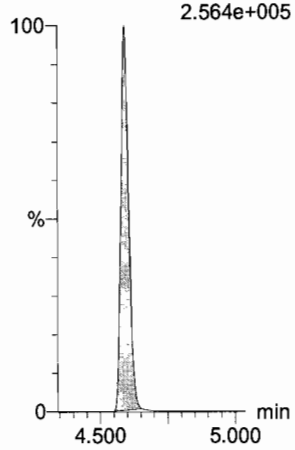
13C2-PFOA



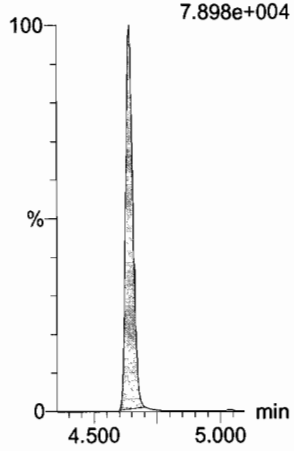
13C3-PFBS



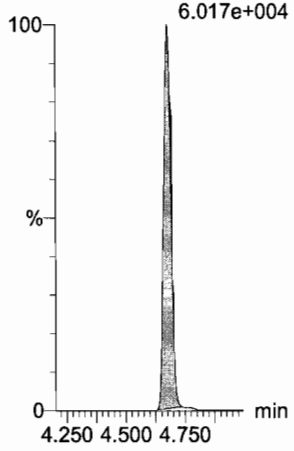
13C5-PFNA



13C8-PFOSA



13C8-PFOS

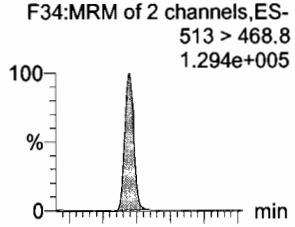


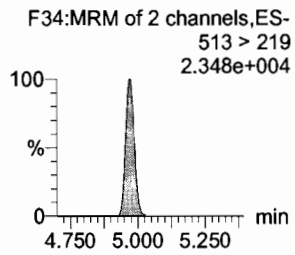
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

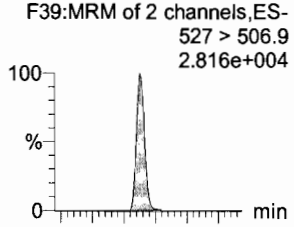
Name: 171026M1_6, Date: 26-Oct-2017, Time: 10:11:00, ID: ST171026M1-5 PFC CS2 17J2519, Description: PFC CS2 17J2519

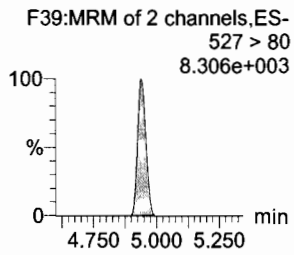
PFDA



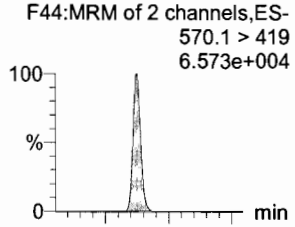


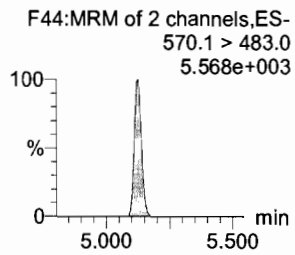
8:2 FTS



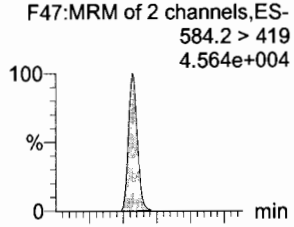


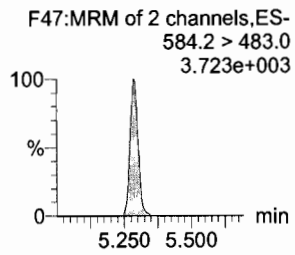
N-MeFOSAA



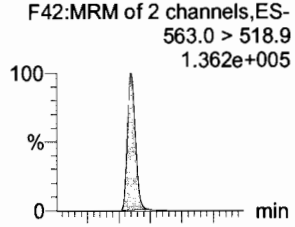


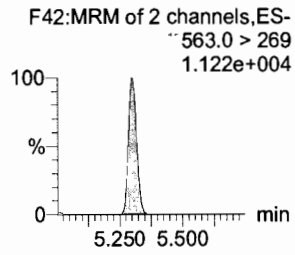
N-EtFOSAA



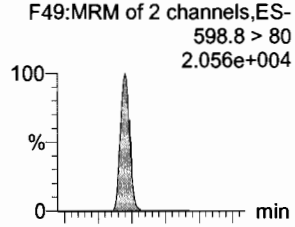


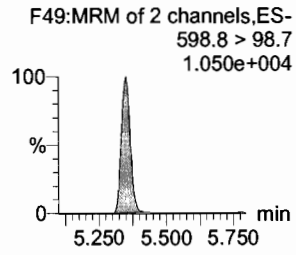
PFUnA



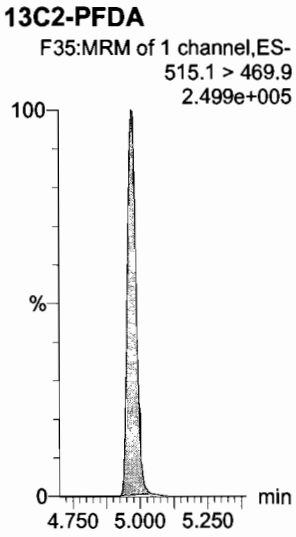


PFDS

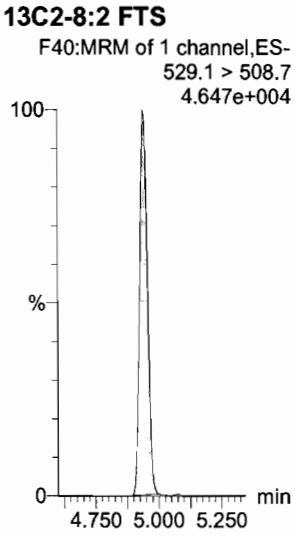




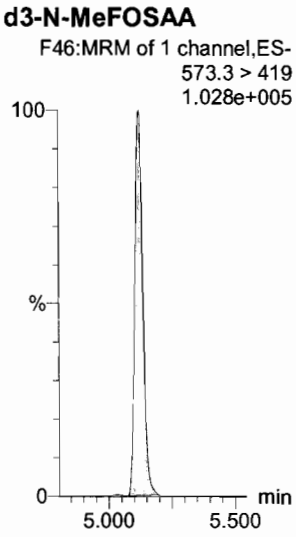
13C2-PFDA



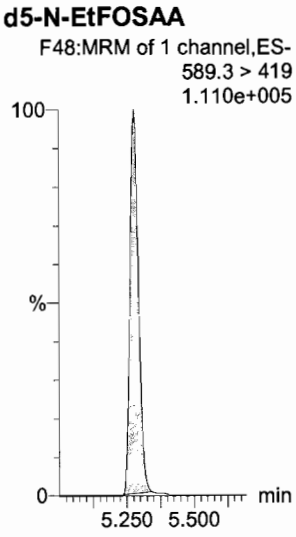
13C2-8:2 FTS



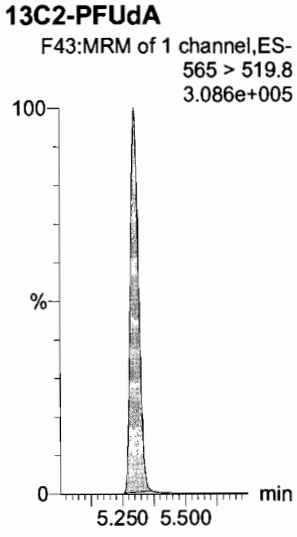
d3-N-MeFOSAA



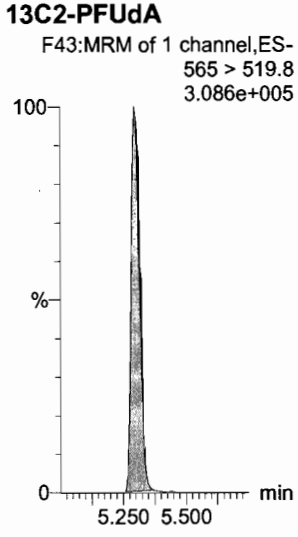
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA

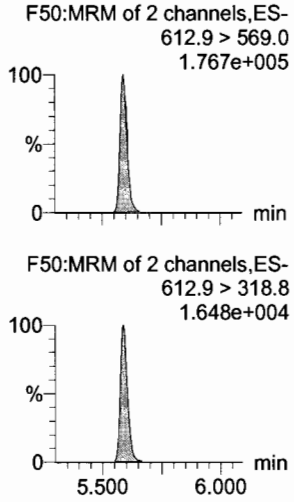


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

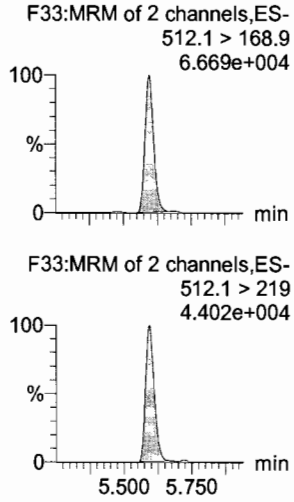
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_6, Date: 26-Oct-2017, Time: 10:11:00, ID: ST171026M1-5 PFC CS2 17J2519, Description: PFC CS2 17J2519

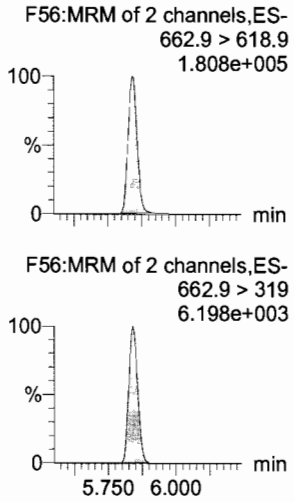
PFDoA



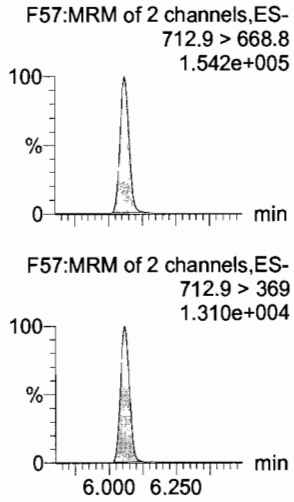
N-MeFOSA



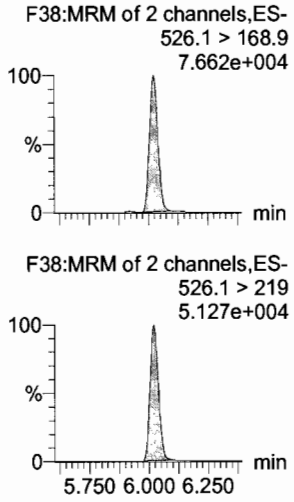
PFTrDA



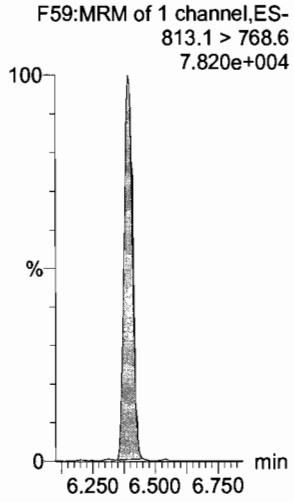
PFTeDA



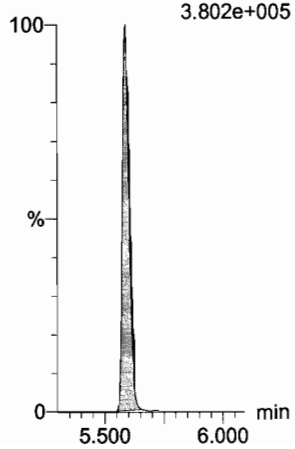
N-EtFOSA



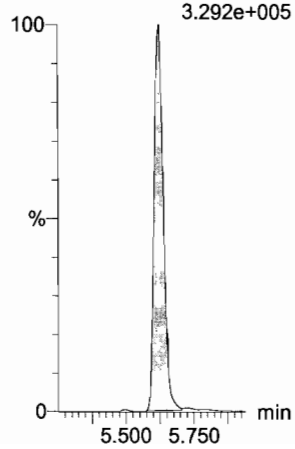
PFHxDA



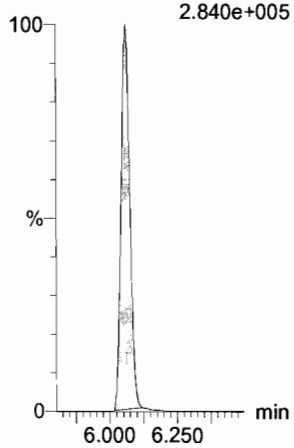
13C2-PFDoA



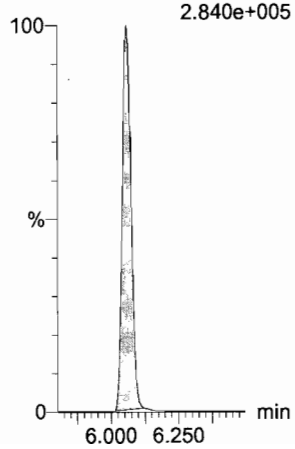
d3-N-MeFOSA



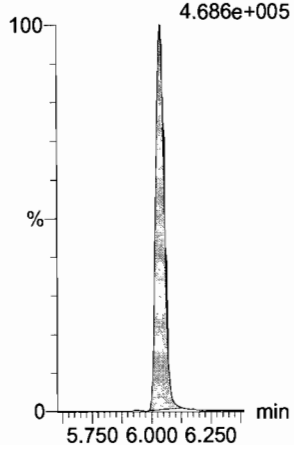
13C2-PFTeDA



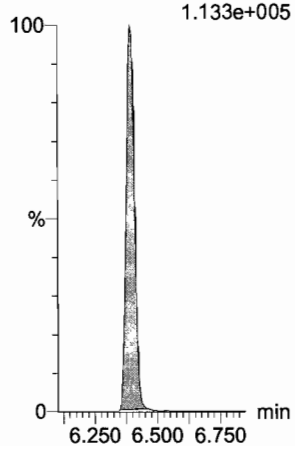
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

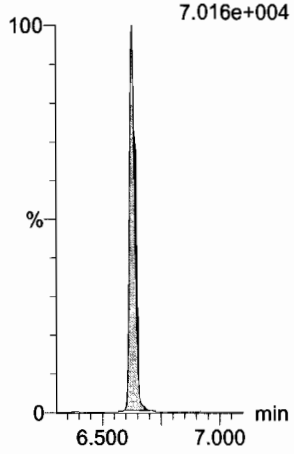


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

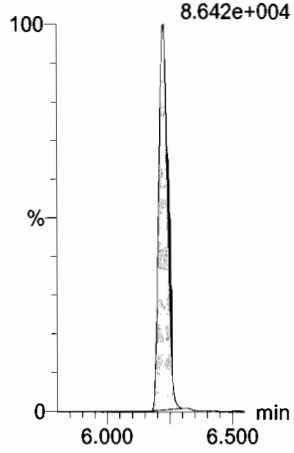
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_6, Date: 26-Oct-2017, Time: 10:11:00, ID: ST171026M1-5 PFC CS2 17J2519, Description: PFC CS2 17J2519

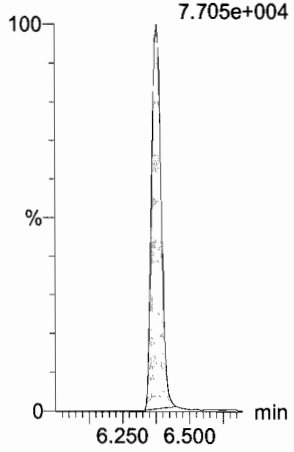
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
7.016e+004



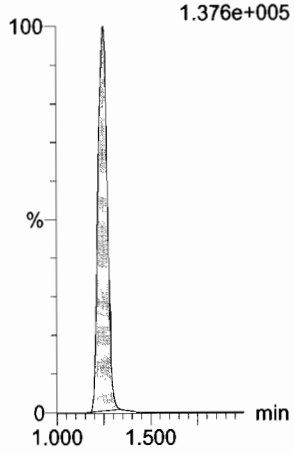
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
8.642e+004



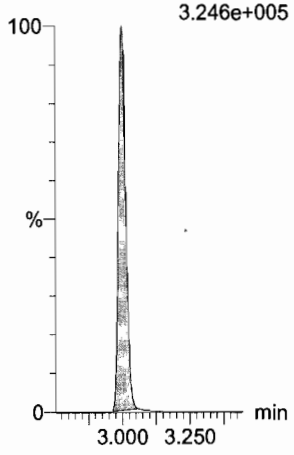
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
7.705e+004



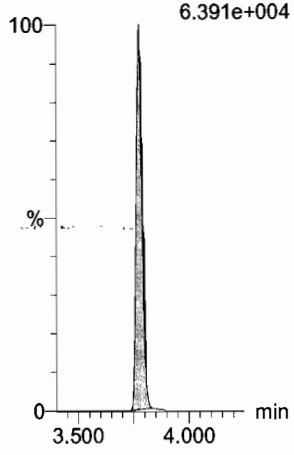
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.376e+005



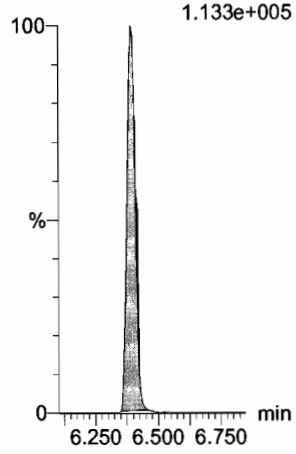
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
3.246e+005



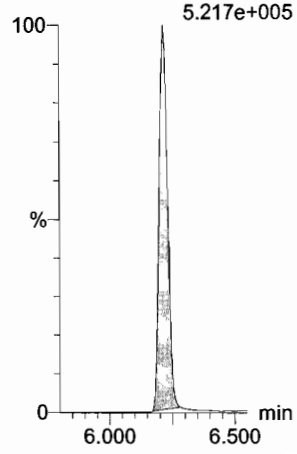
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
6.391e+004



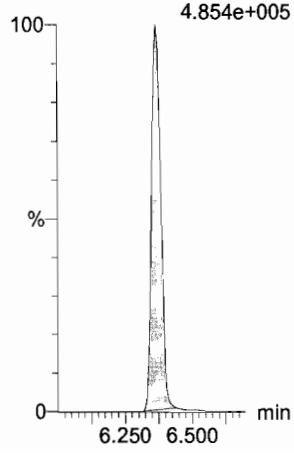
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.133e+005



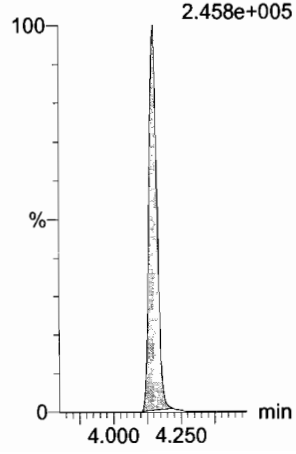
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
5.217e+005



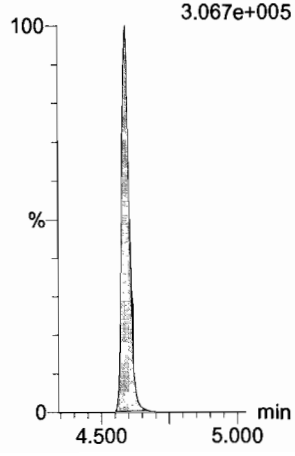
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
4.854e+005



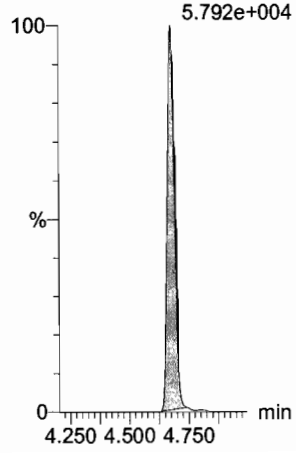
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
2.458e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.067e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
5.792e+004

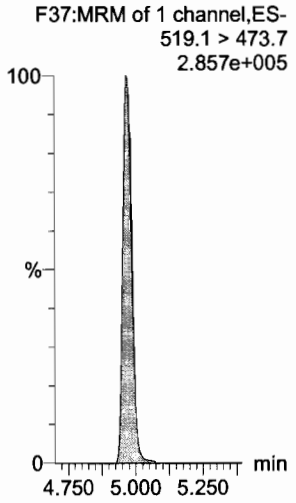


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

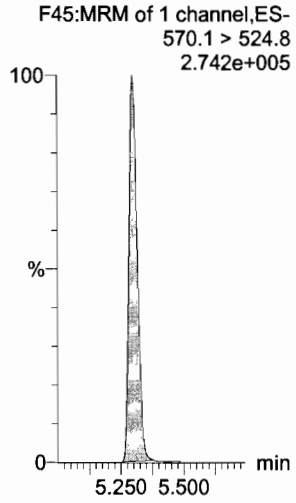
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_6, Date: 26-Oct-2017, Time: 10:11:00, ID: ST171026M1-5 PFC CS2 17J2519, Description: PFC CS2 17J2519

13C6-PFDA



13C7-PFUnA

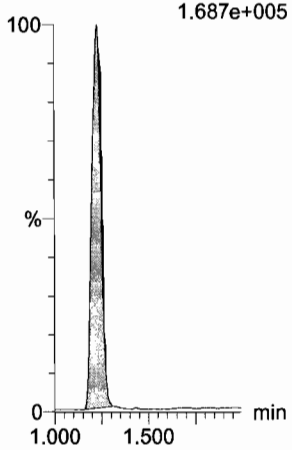


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

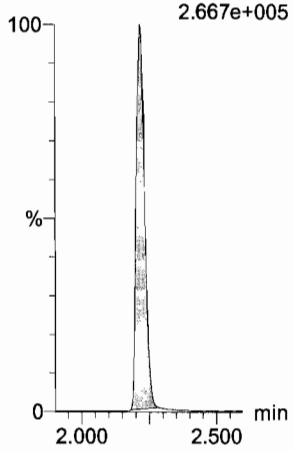
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_7, Date: 26-Oct-2017, Time: 10:22:11, ID: ST171026M1-6 PFC CS3 17J1806, Description: PFC CS3 17J1806

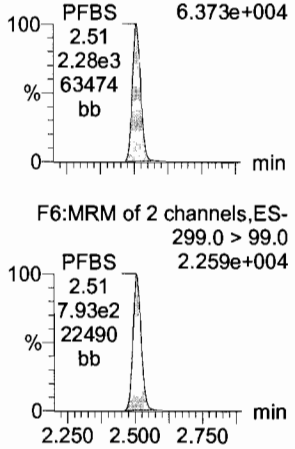
PFBA



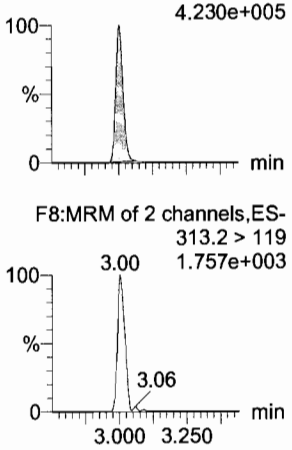
PFPeA



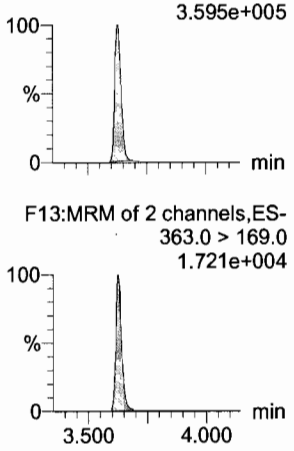
PFBS



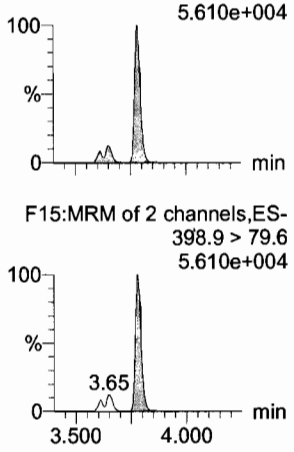
PFHxA



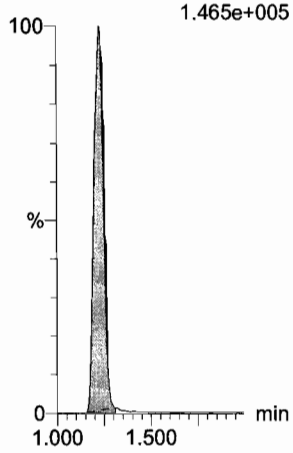
PFHpA



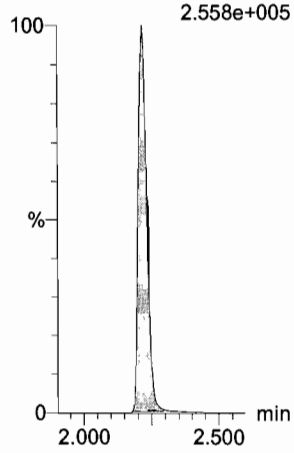
L-PFHxS



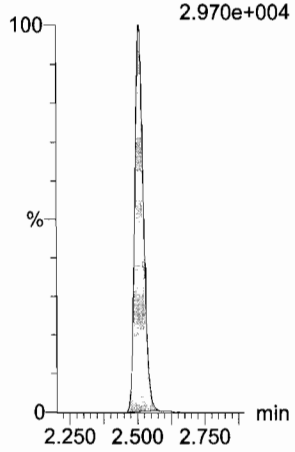
13C3-PFBA



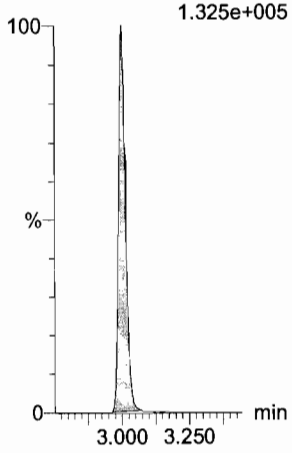
13C3-PFPeA



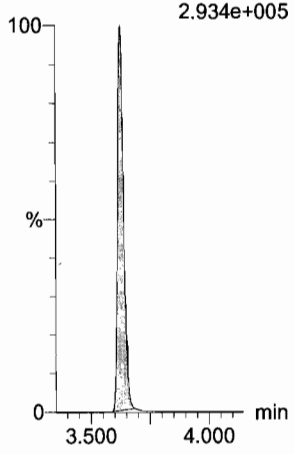
13C3-PFBS



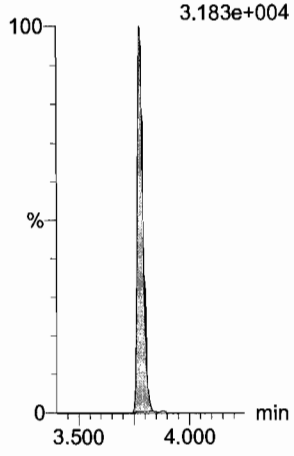
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

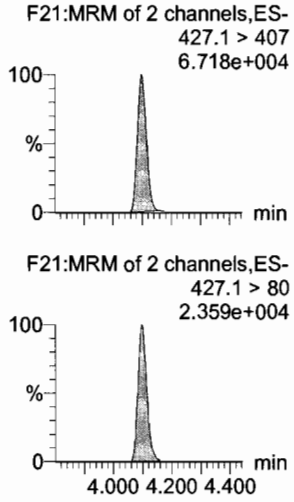


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

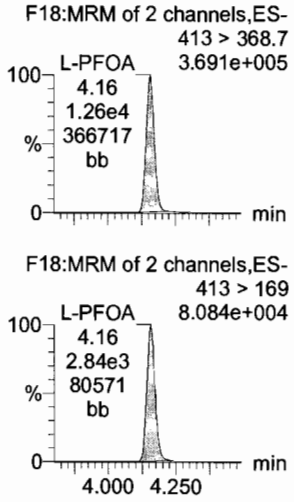
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_7, Date: 26-Oct-2017, Time: 10:22:11, ID: ST171026M1-6 PFC CS3 17J1806, Description: PFC CS3 17J1806

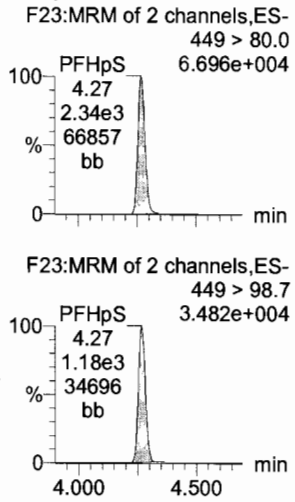
6:2 FTS



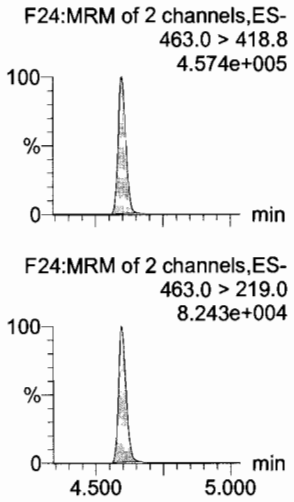
L-PFOA



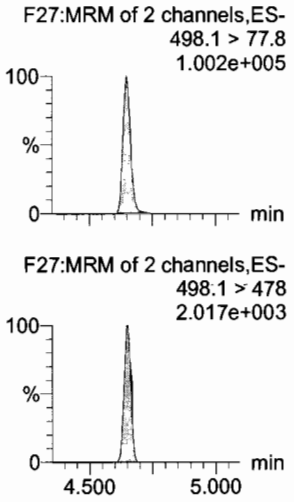
PFHpS



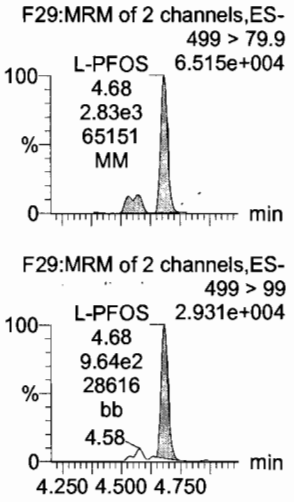
PFNA



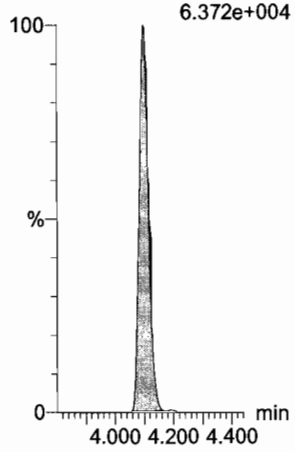
PFOSA



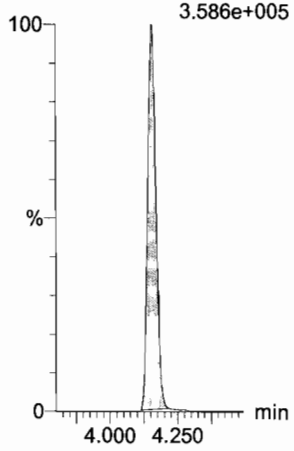
L-PFOS



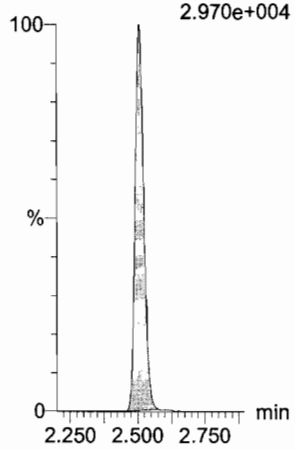
13C2-6:2 FTS



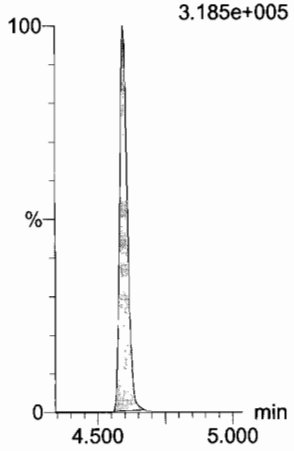
13C2-PFOA



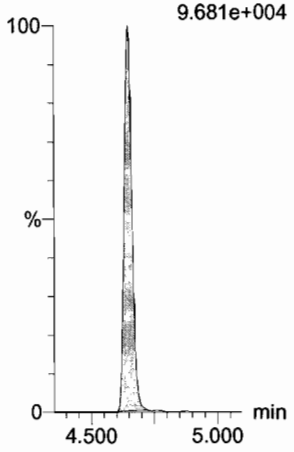
13C3-PFBS



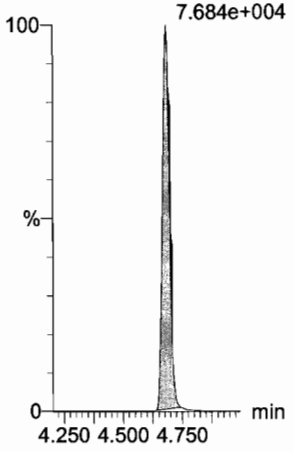
13C5-PFNA



13C8-PFOSA



13C8-PFOS

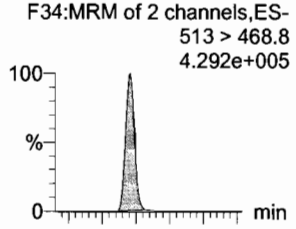


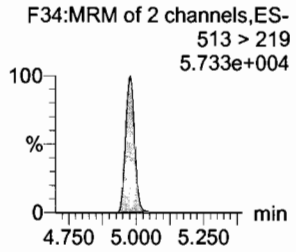
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

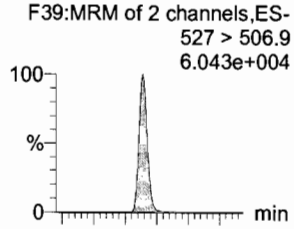
Name: 171026M1_7, Date: 26-Oct-2017, Time: 10:22:11, ID: ST171026M1-6 PFC CS3 17J1806, Description: PFC CS3 17J1806

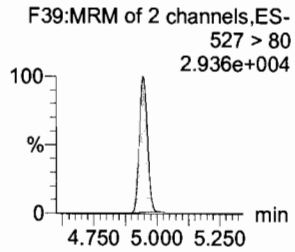
PFDA



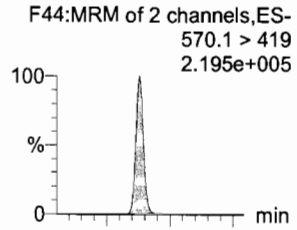


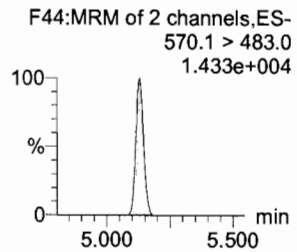
8:2 FTS



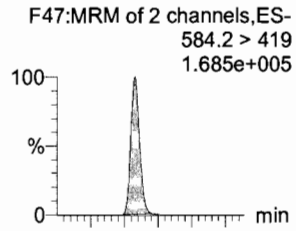


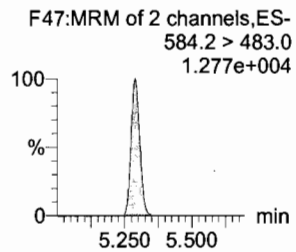
N-MeFOSAA



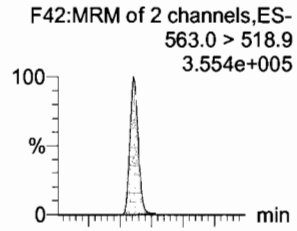


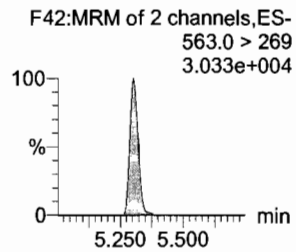
N-EtFOSAA



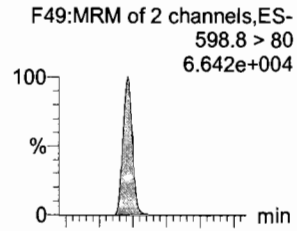


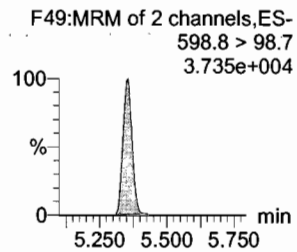
PFUnA



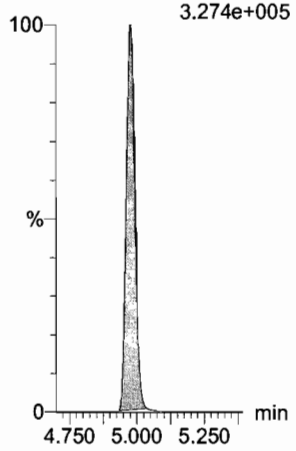


PFDS

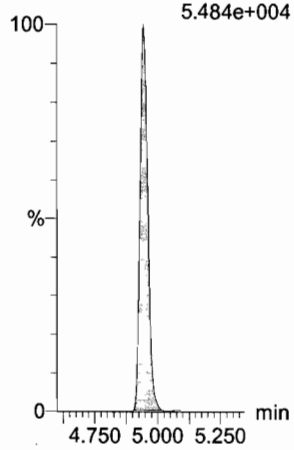




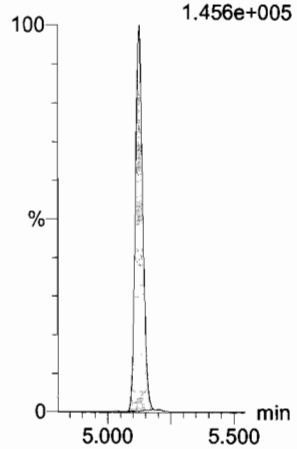
13C2-PFDA



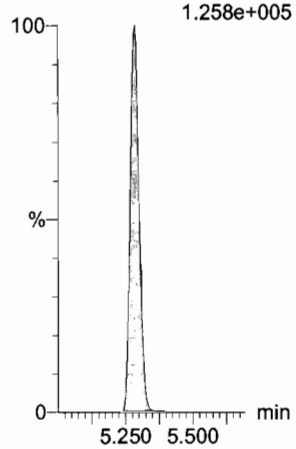
13C2-8:2 FTS



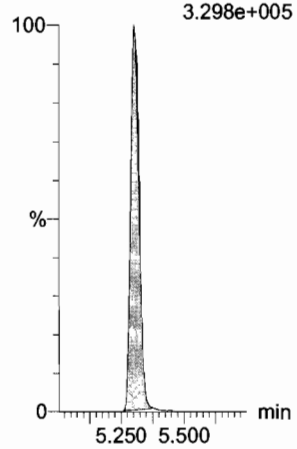
d3-N-MeFOSAA



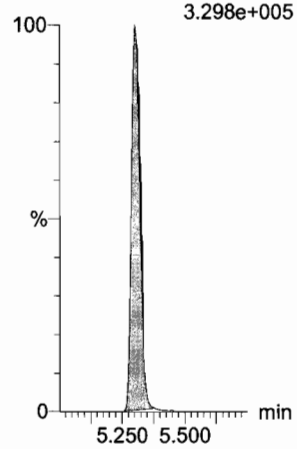
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA

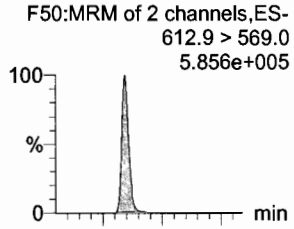


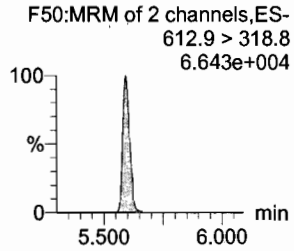
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

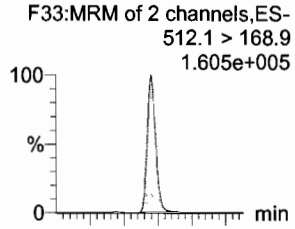
Name: 171026M1_7, Date: 26-Oct-2017, Time: 10:22:11, ID: ST171026M1-6 PFC CS3 17J1806, Description: PFC CS3 17J1806

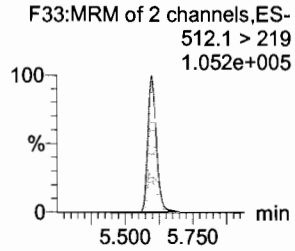
PFDoA



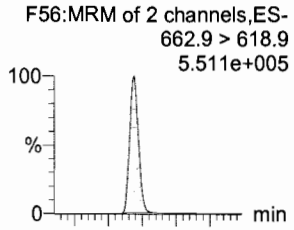


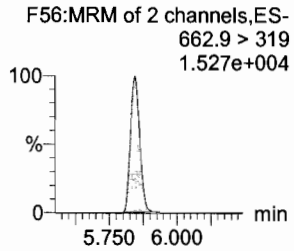
N-MeFOSA



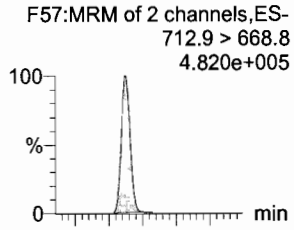


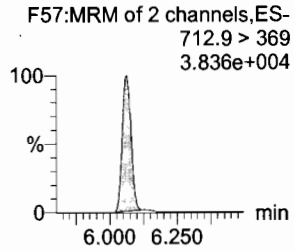
PFTrDA



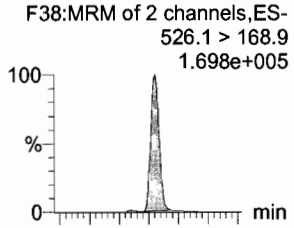


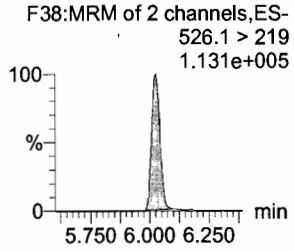
PFTeDA



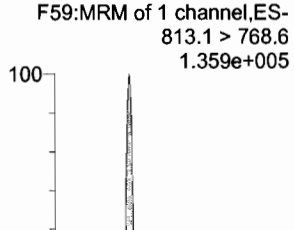


N-EtFOSA

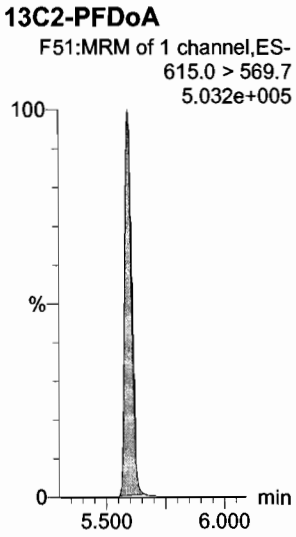




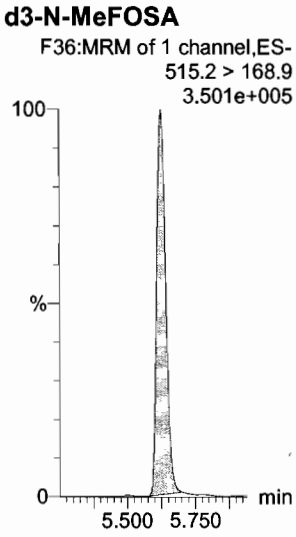
PFHxDA



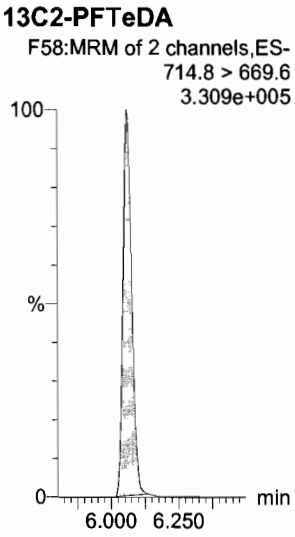
13C2-PFDoA



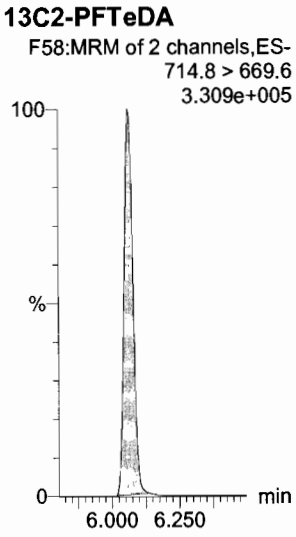
d3-N-MeFOSA



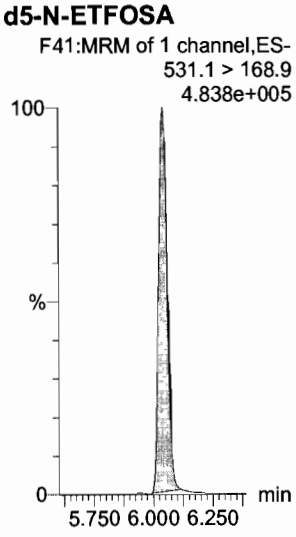
13C2-PFTeDA



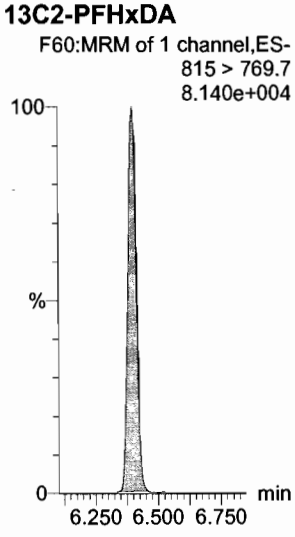
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

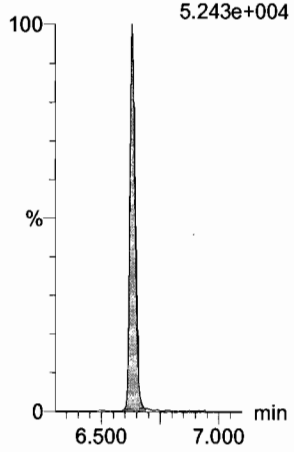


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

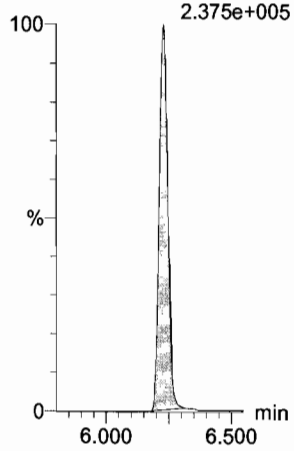
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_7, Date: 26-Oct-2017, Time: 10:22:11, ID: ST171026M1-6 PFC CS3 17J1806, Description: PFC CS3 17J1806

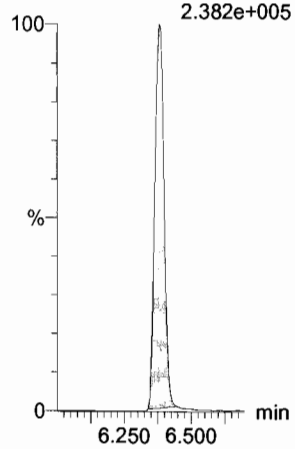
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
5.243e+004



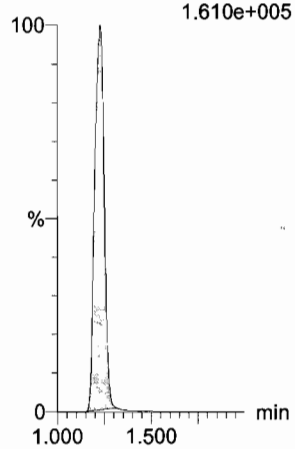
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
2.375e+005



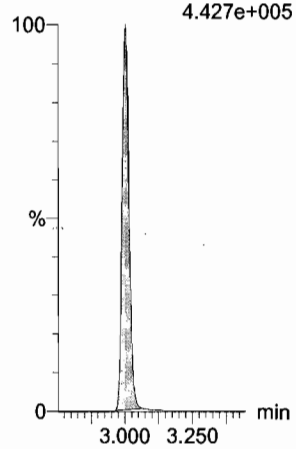
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
2.382e+005



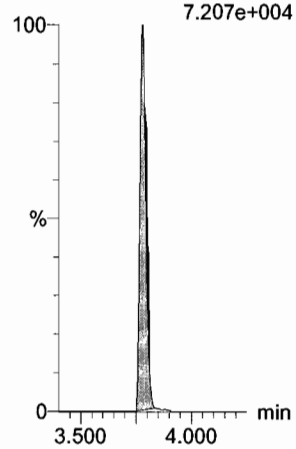
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.610e+005



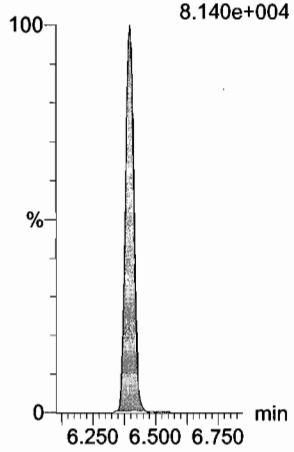
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
4.427e+005



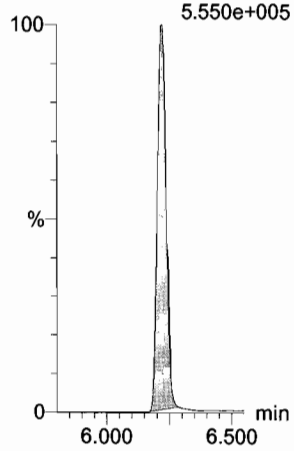
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
7.207e+004



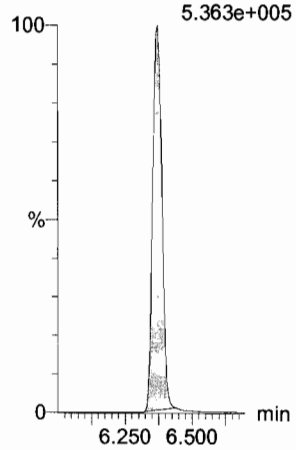
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
8.140e+004



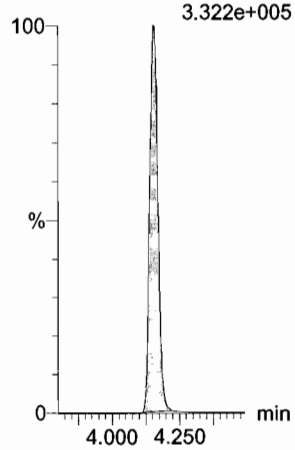
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
5.550e+005



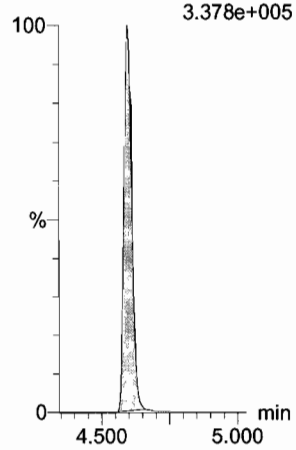
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
5.363e+005



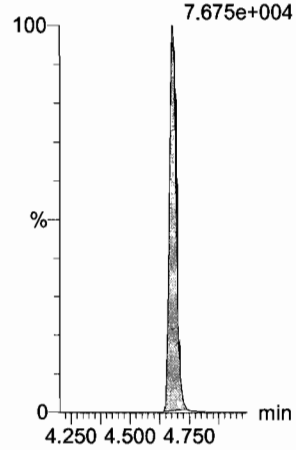
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
3.322e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.378e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
7.675e+004

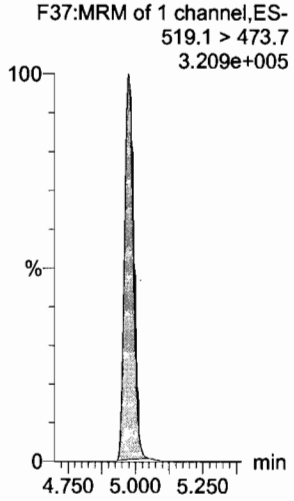


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

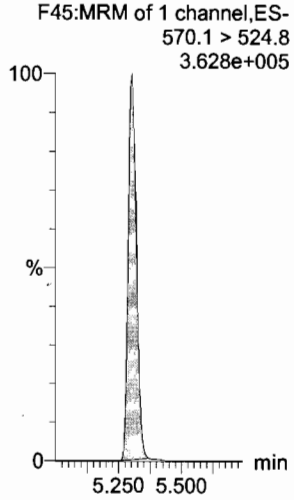
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_7, Date: 26-Oct-2017, Time: 10:22:11, ID: ST171026M1-6 PFC CS3 17J1806, Description: PFC CS3 17J1806

13C6-PFDA



13C7-PFUnA

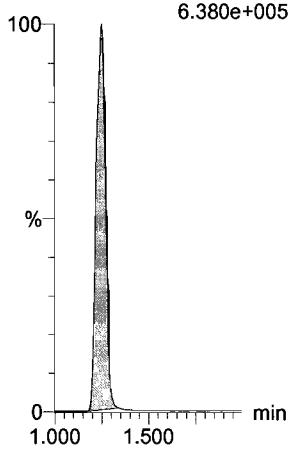


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

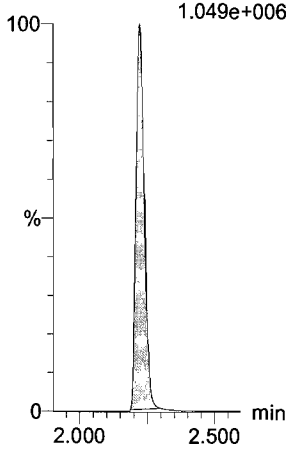
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_8, Date: 26-Oct-2017, Time: 10:33:24, ID: ST171026M1-7 PFC CS4 17J2102, Description: PFC CS4 17J2102

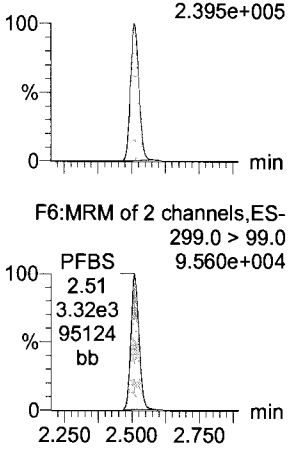
PFBA



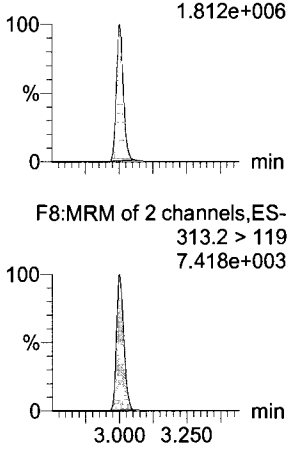
PFPeA



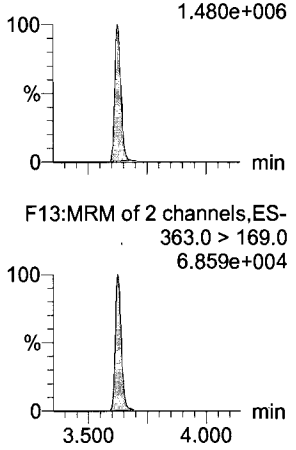
PFBS



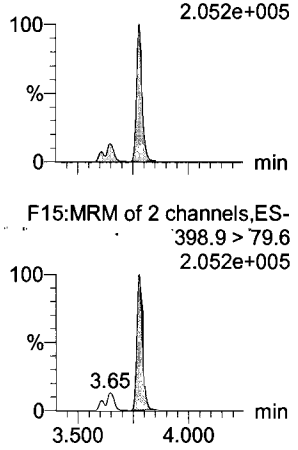
PFHxA



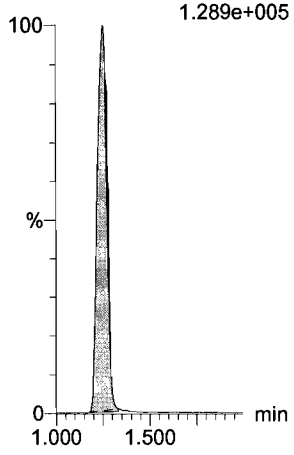
PFHpA



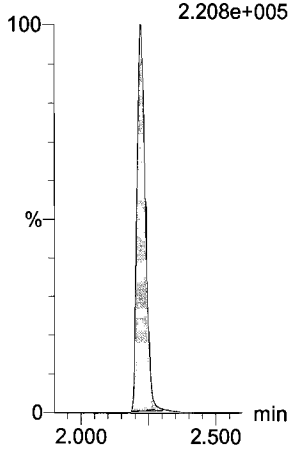
L-PFHxS



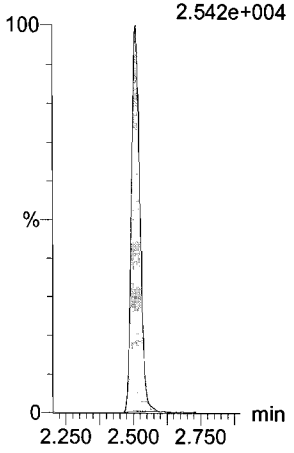
13C3-PFBA



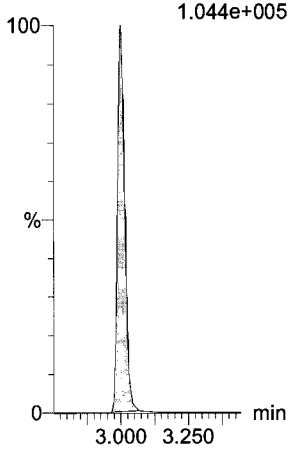
13C3-PFPeA



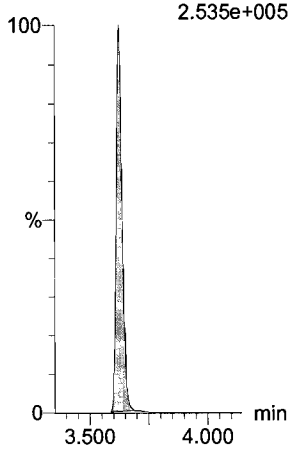
13C3-PFBS



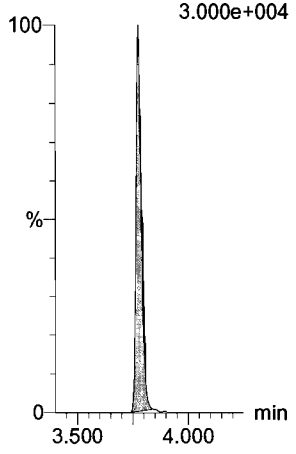
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

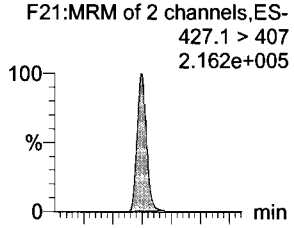


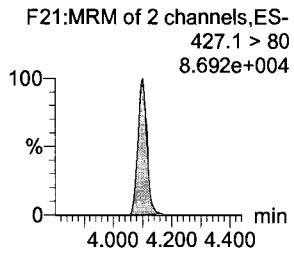
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

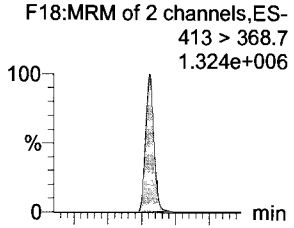
Name: 171026M1_8, Date: 26-Oct-2017, Time: 10:33:24, ID: ST171026M1-7 PFC CS4 17J2102, Description: PFC CS4 17J2102

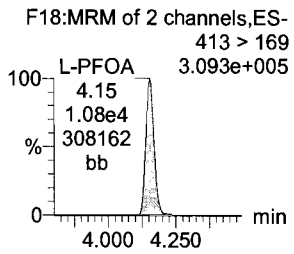
6:2 FTS



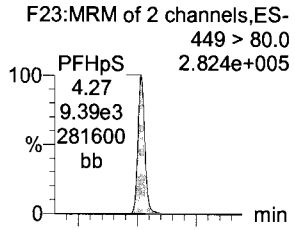


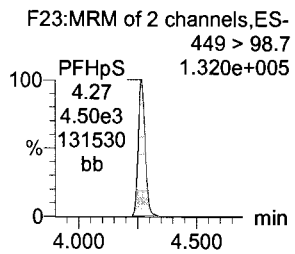
L-PFOA



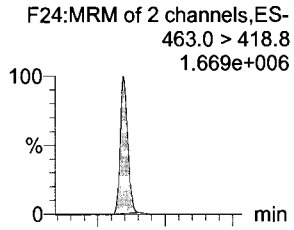


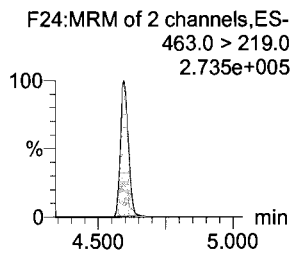
PFHpS



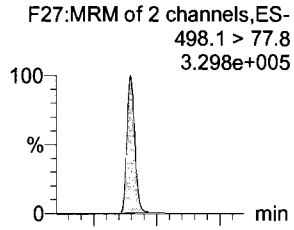


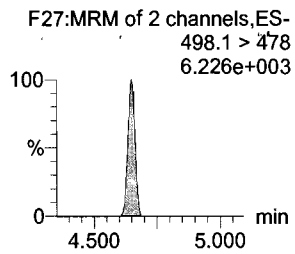
PFNA



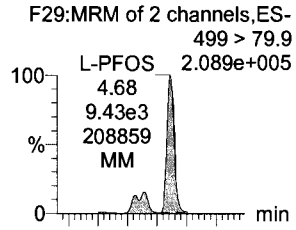


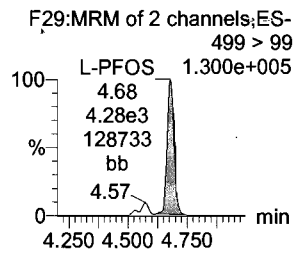
PFOSA



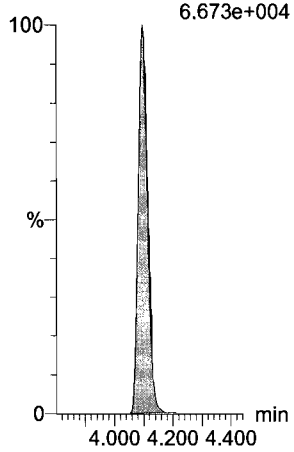


L-PFOS

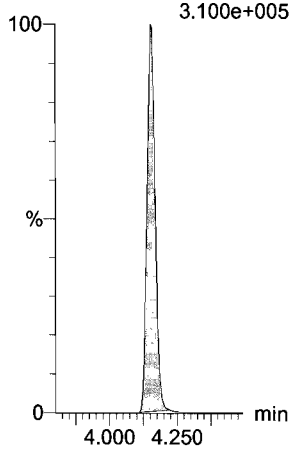




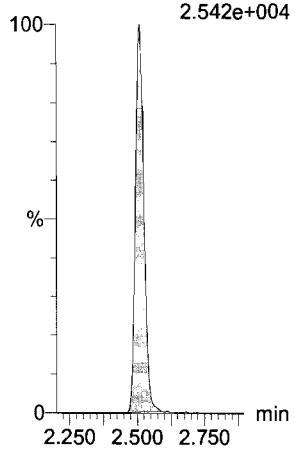
13C2-6:2 FTS



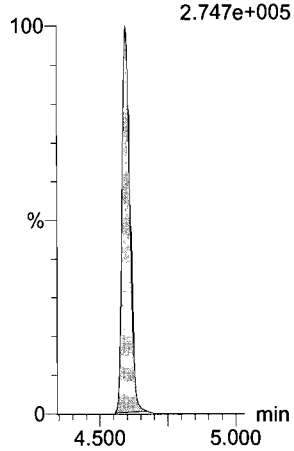
13C2-PFOA



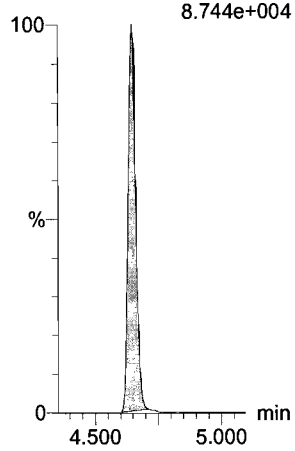
13C3-PFBS



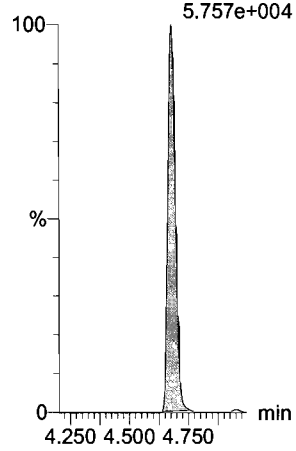
13C5-PFNA



13C8-PFOSA



13C8-PFOS

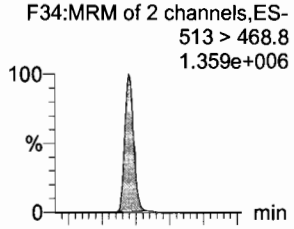


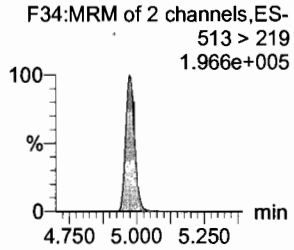
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

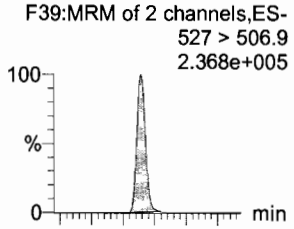
Name: 171026M1_8, Date: 26-Oct-2017, Time: 10:33:24, ID: ST171026M1-7 PFC CS4 17J2102, Description: PFC CS4 17J2102

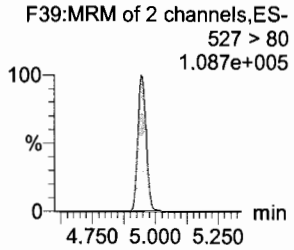
PFDA



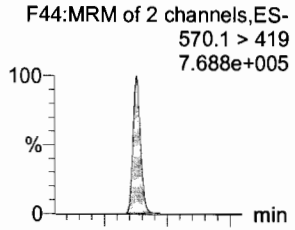


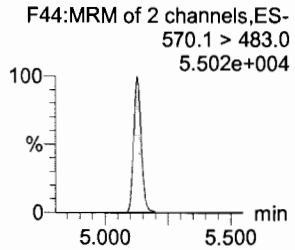
8:2 FTS



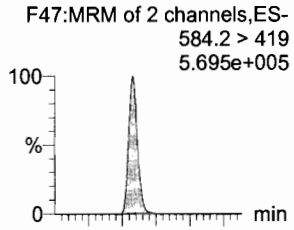


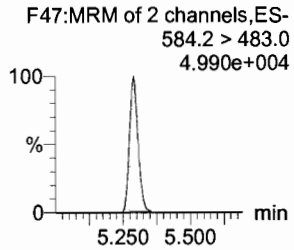
N-MeFOSAA



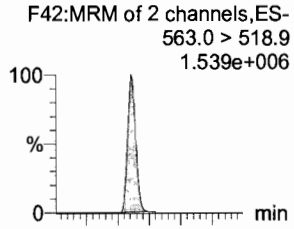


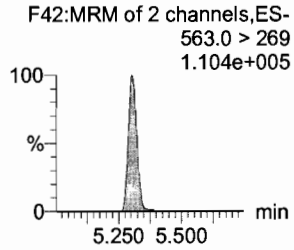
N-EtFOSAA



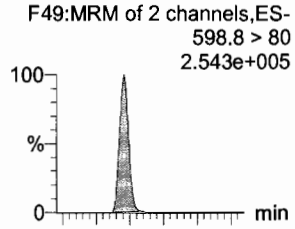


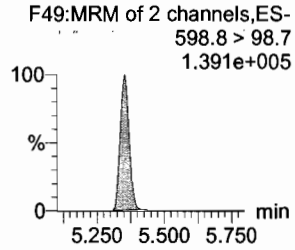
PFUnA



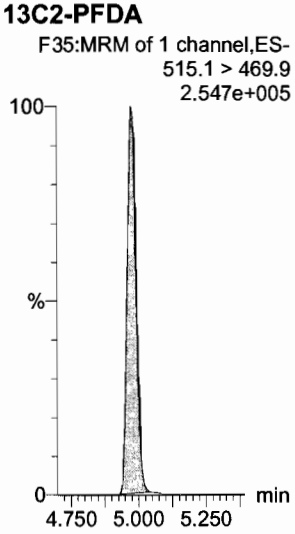


PFDS

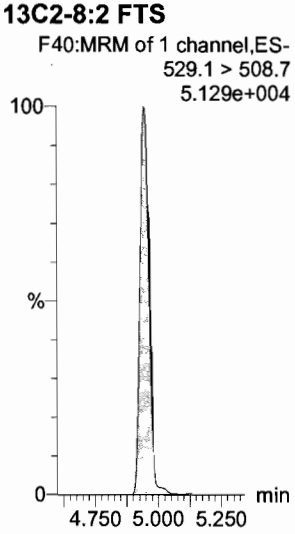




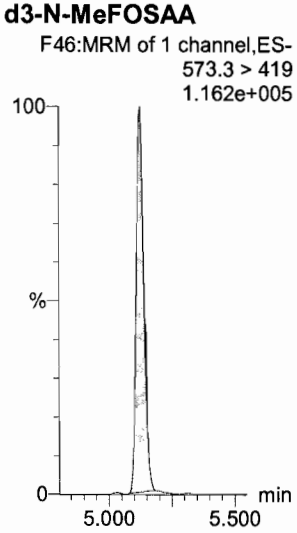
13C2-PFDA



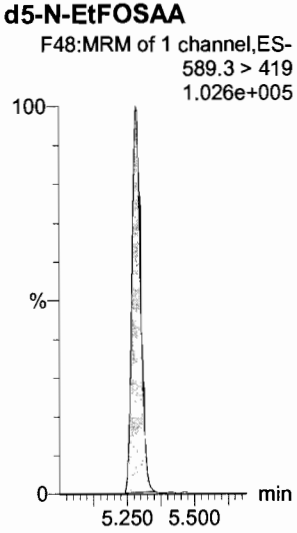
13C2-8:2 FTS



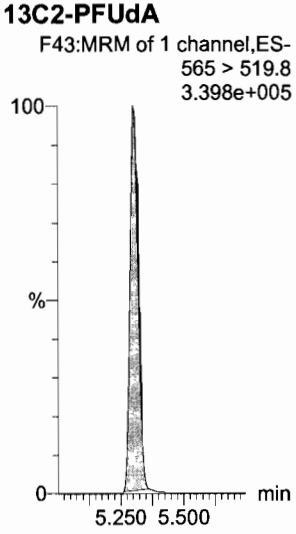
d3-N-MeFOSAA



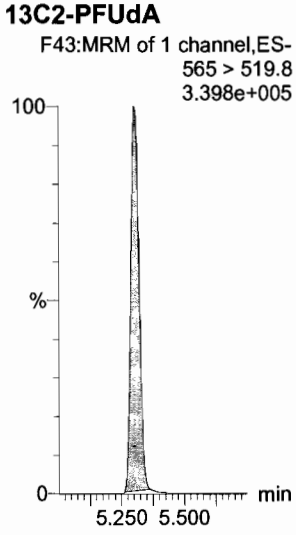
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA

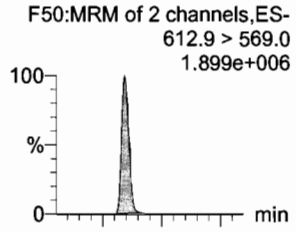


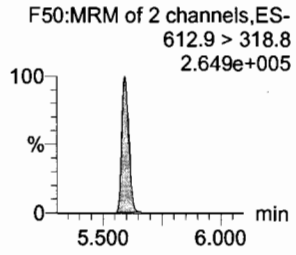
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

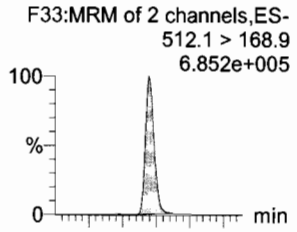
Name: 171026M1_8, Date: 26-Oct-2017, Time: 10:33:24, ID: ST171026M1-7 PFC CS4 17J2102, Description: PFC CS4 17J2102

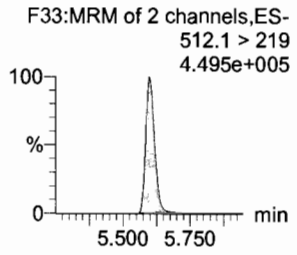
PFDoA



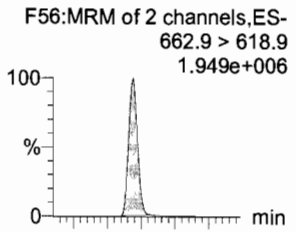


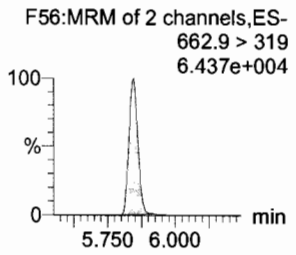
N-MeFOSA



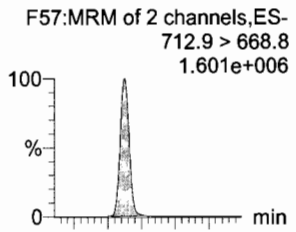


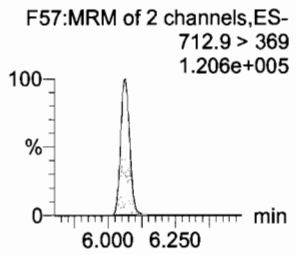
PFTrDA



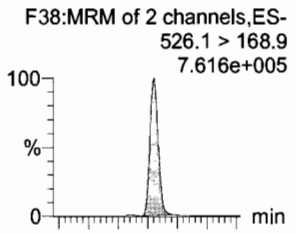


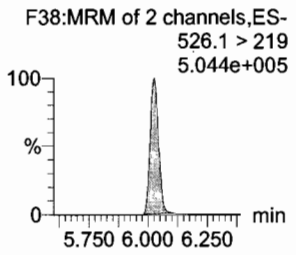
PFTeDA



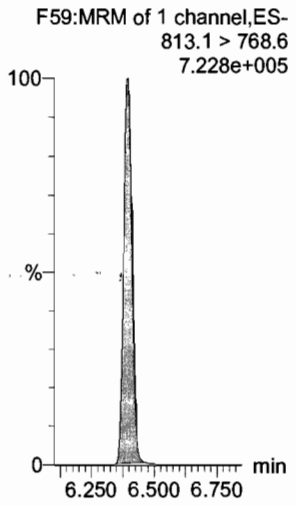


N-EtFOSA

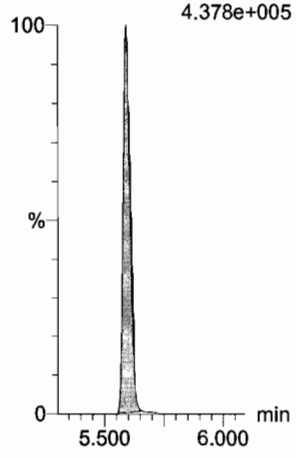




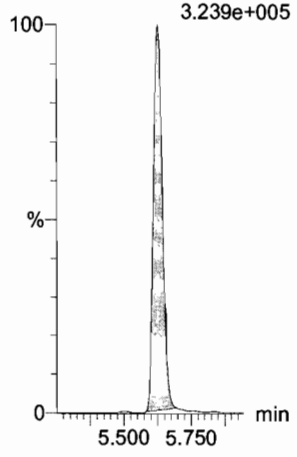
PFHxDA



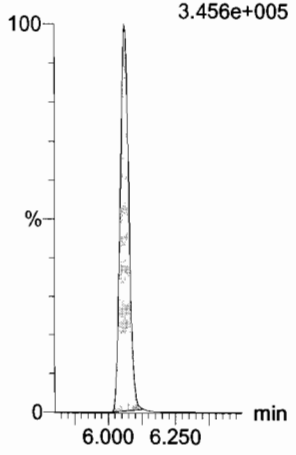
13C2-PFDoA



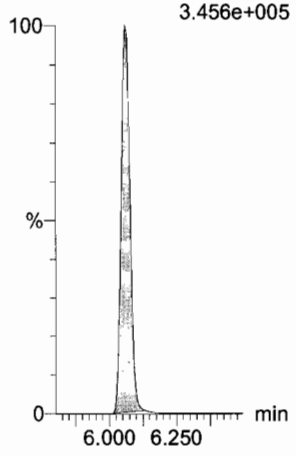
d3-N-MeFOSA



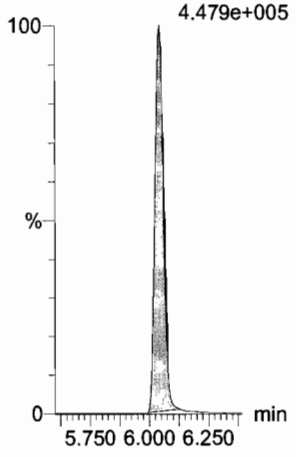
13C2-PFTeDA



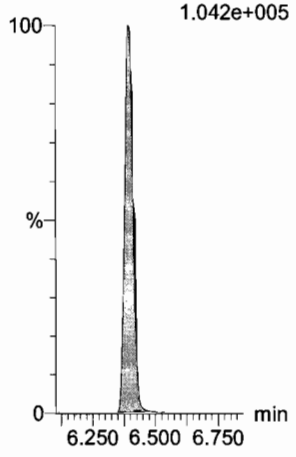
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

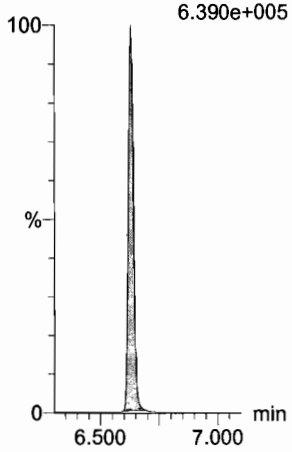


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

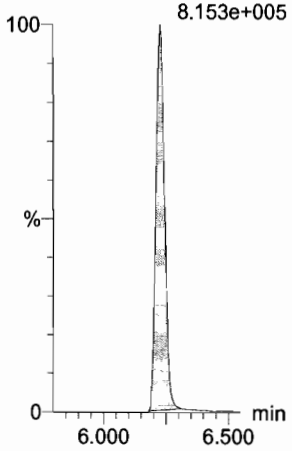
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_8, Date: 26-Oct-2017, Time: 10:33:24, ID: ST171026M1-7 PFC CS4 17J2102, Description: PFC CS4 17J2102

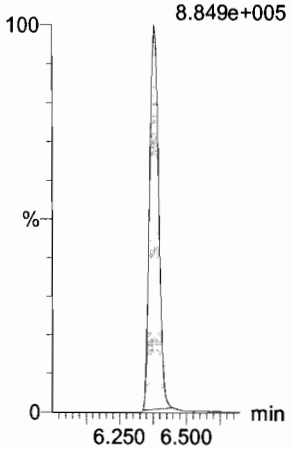
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
6.390e+005



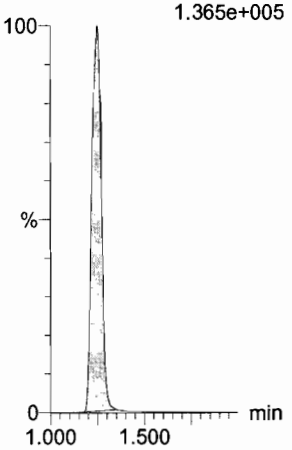
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
8.153e+005



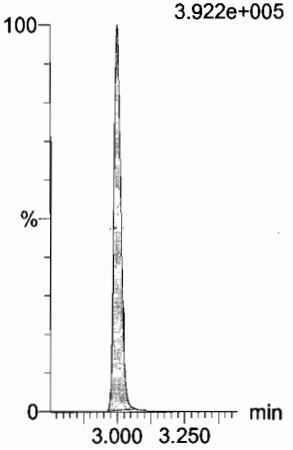
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
8.849e+005



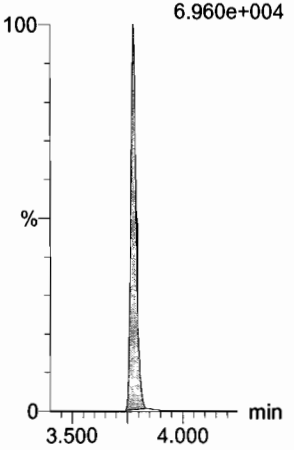
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.365e+005



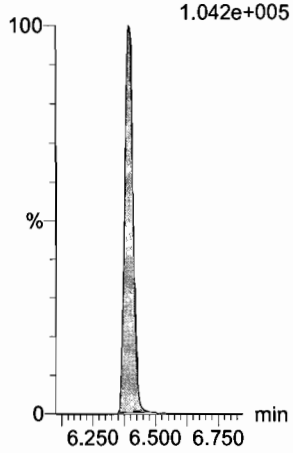
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
3.922e+005



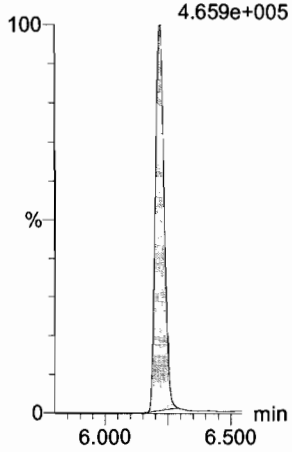
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
6.960e+004



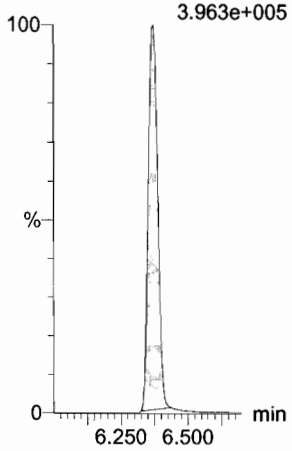
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.042e+005



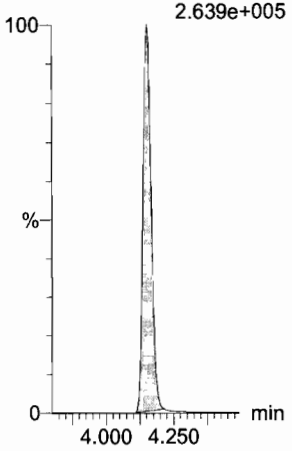
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
4.659e+005



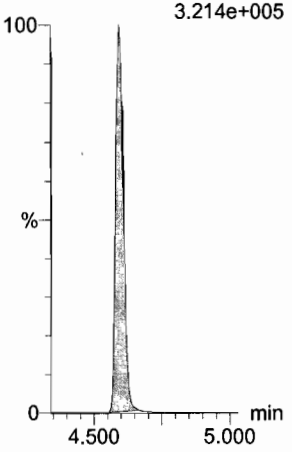
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
3.963e+005



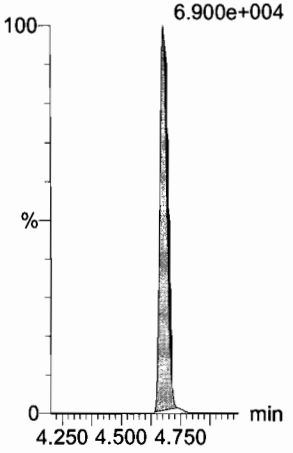
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
2.639e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
3.214e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
6.900e+004

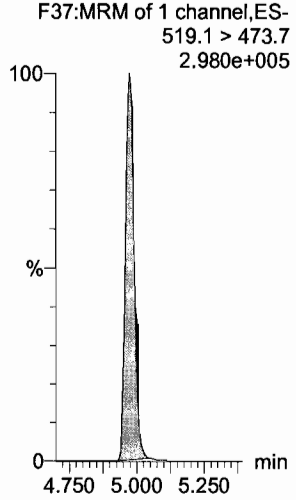


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

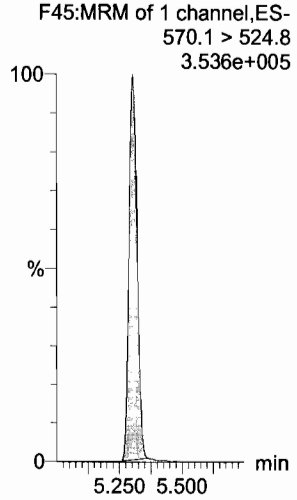
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_8, Date: 26-Oct-2017, Time: 10:33:24, ID: ST171026M1-7 PFC CS4 17J2102, Description: PFC CS4 17J2102

13C6-PFDA



13C7-PFUnA

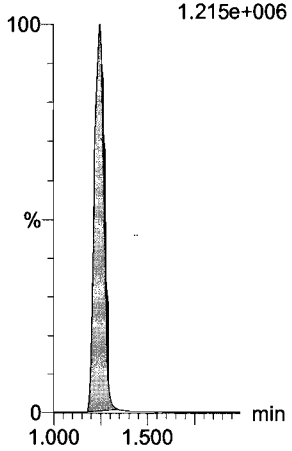


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

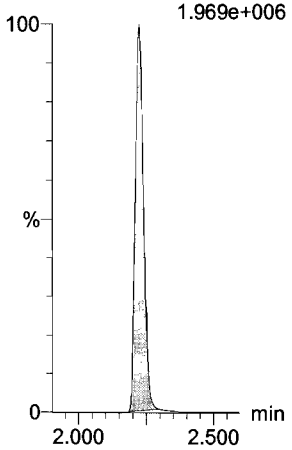
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_9, Date: 26-Oct-2017, Time: 10:44:36, ID: ST171026M1-8 PFC CS5 17J2101, Description: PFC CS5 17J2101

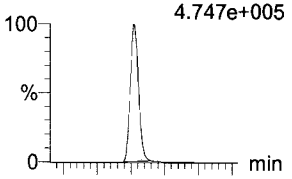
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
1.215e+006



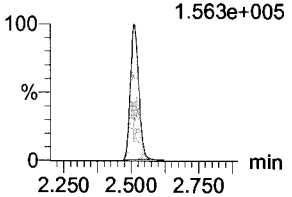
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
1.969e+006



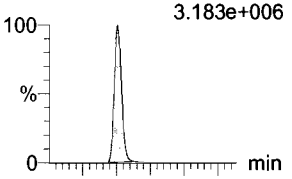
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
4.747e+005



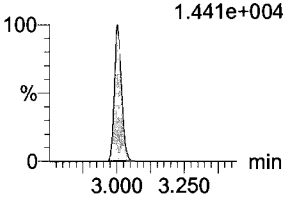
F6:MRM of 2 channels,ES-
299.0 > 99.0
1.563e+005



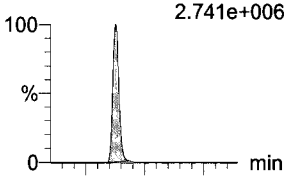
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
3.183e+006



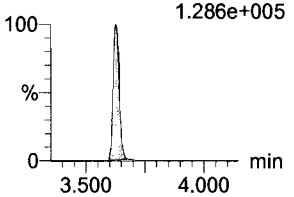
F8:MRM of 2 channels,ES-
313.2 > 119
1.441e+004



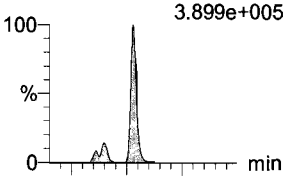
PFHpA
F13:MRM of 2 channels,ES-
363.0 > 318.9
2.741e+006



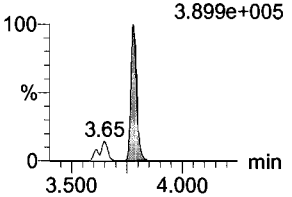
F13:MRM of 2 channels,ES-
363.0 > 169.0
1.286e+005



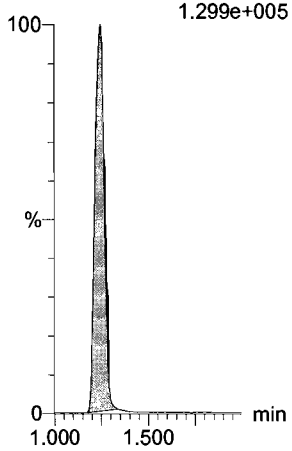
L-PFHxS
F15:MRM of 2 channels,ES-
398.9 > 79.6
3.899e+005



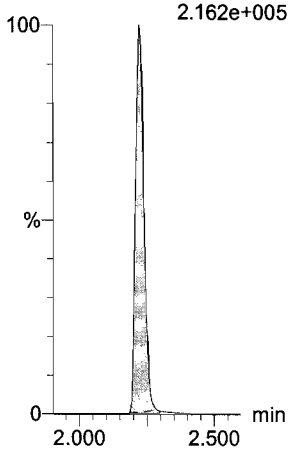
F15:MRM of 2 channels,ES-
398.9 > 79.6
3.899e+005



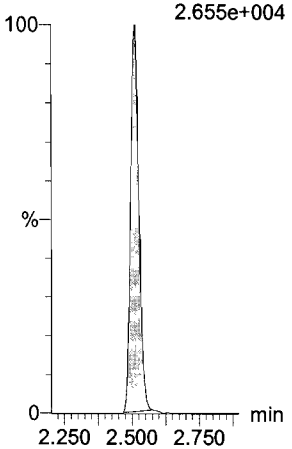
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
1.299e+005



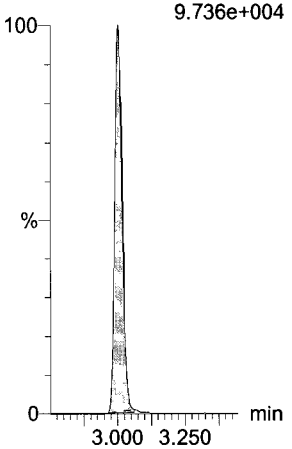
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.162e+005



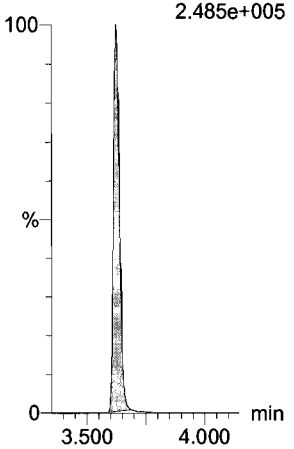
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
2.655e+004



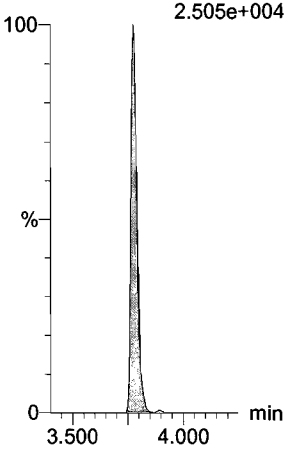
13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
9.736e+004



13C4-PFHpA
F14:MRM of 1 channel,ES-
367.2 > 321.8
2.485e+005



18O2-PFHxS
F17:MRM of 1 channel,ES-
403.0 > 102.6
2.505e+004

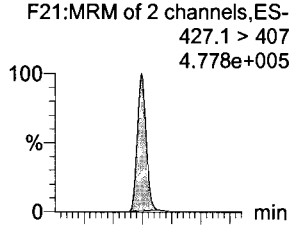


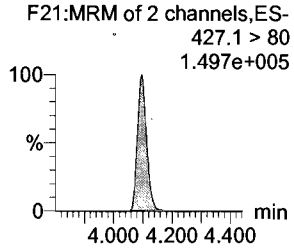
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

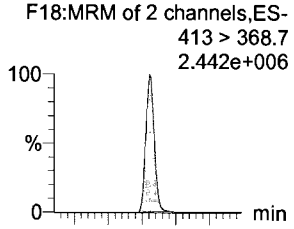
Name: 171026M1_9, Date: 26-Oct-2017, Time: 10:44:36, ID: ST171026M1-8 PFC CS5 17J2101, Description: PFC CS5 17J2101

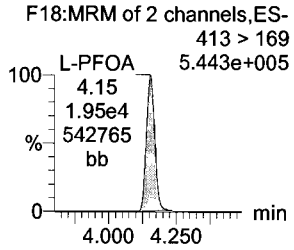
6:2 FTS



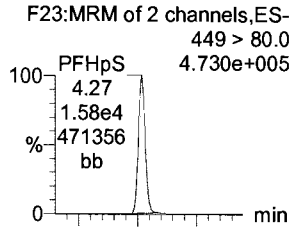


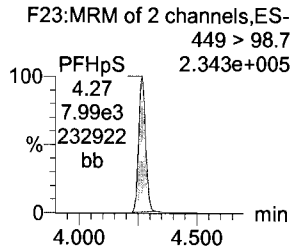
L-PFOA



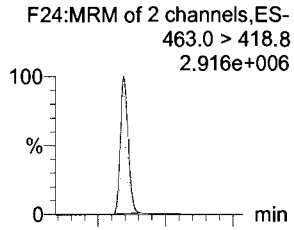


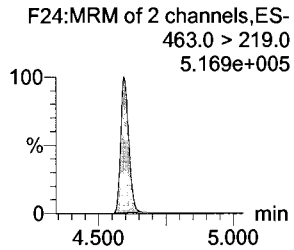
PFHpS



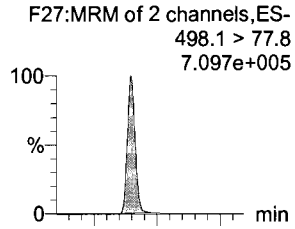


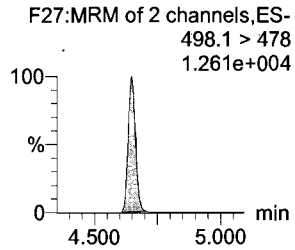
PFNA



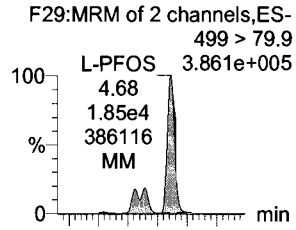


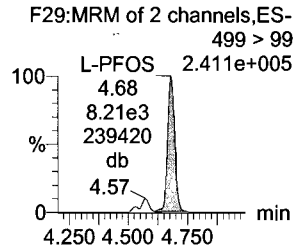
PFOSA



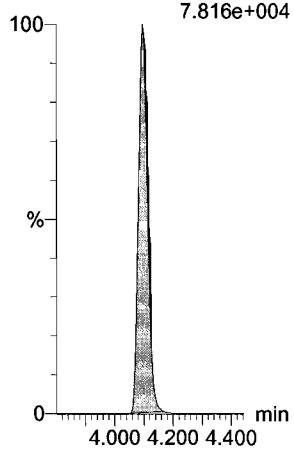


L-PFOS

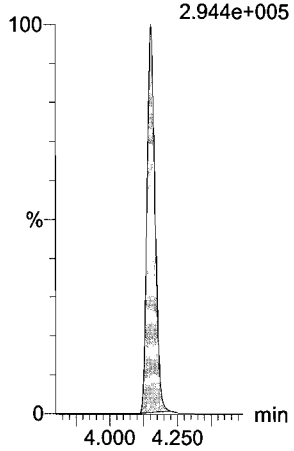




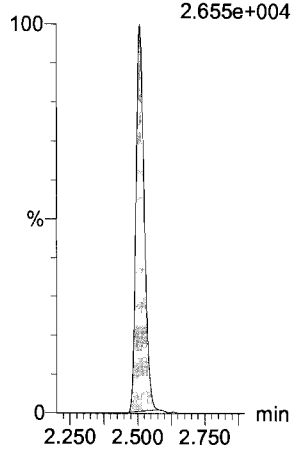
13C2-6:2 FTS



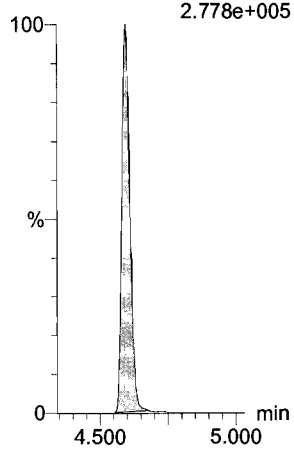
13C2-PFOA



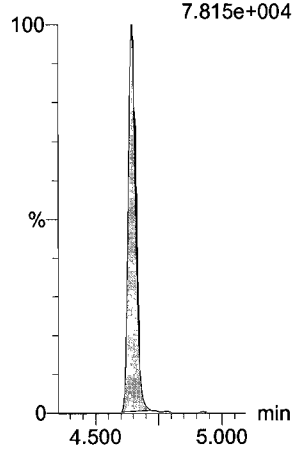
13C3-PFBS



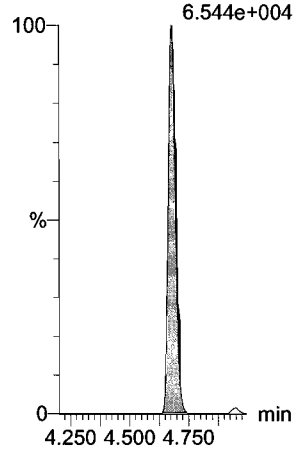
13C5-PFNA



13C8-PFOSA



13C8-PFOS

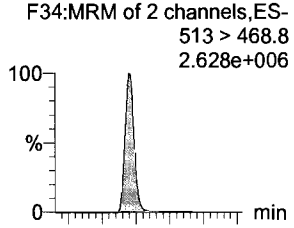


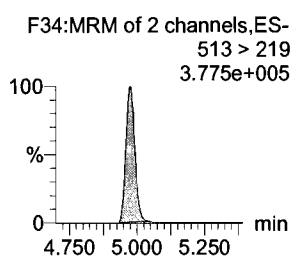
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

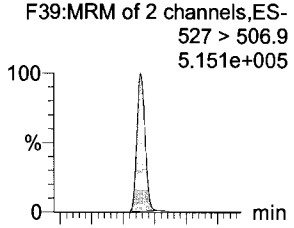
Name: 171026M1_9, Date: 26-Oct-2017, Time: 10:44:36, ID: ST171026M1-8 PFC CS5 17J2101, Description: PFC CS5 17J2101

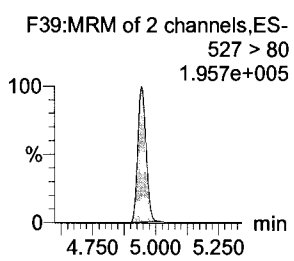
PFDA



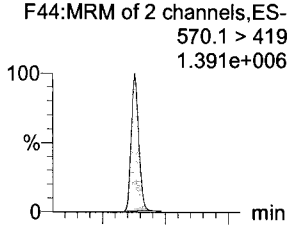


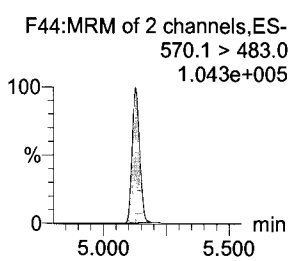
8:2 FTS



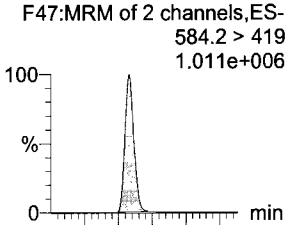


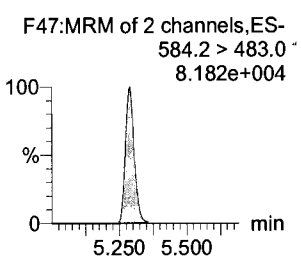
N-MeFOSAA



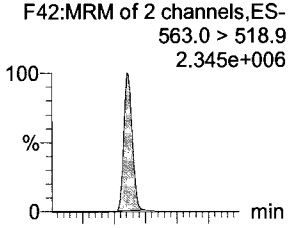


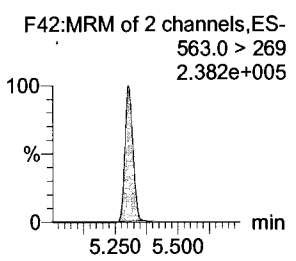
N-EtFOSAA



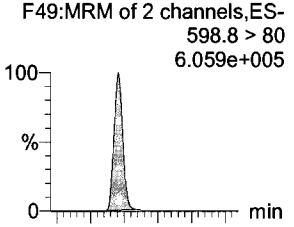


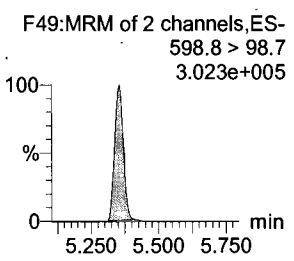
PFUnA



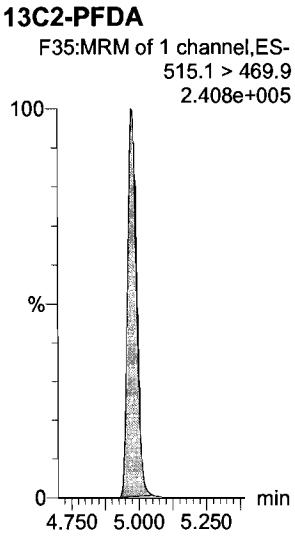


PFDS

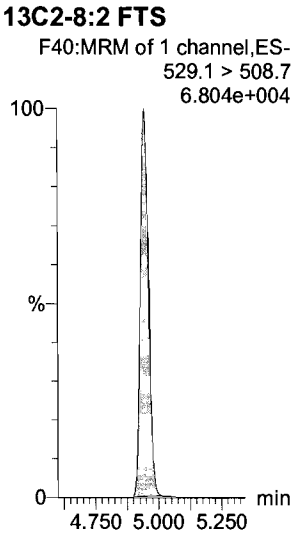




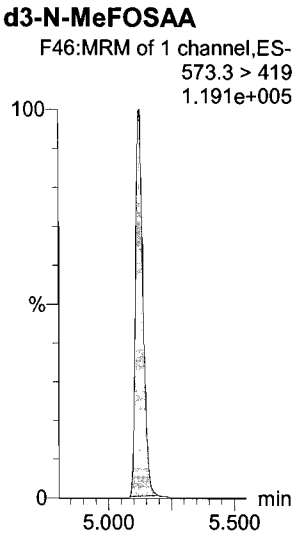
13C2-PFDA



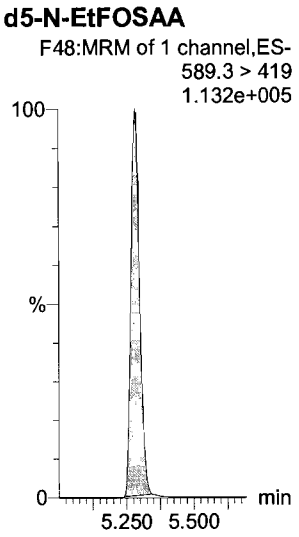
13C2-8:2 FTS



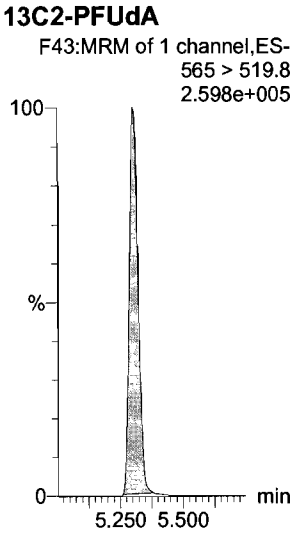
d3-N-MeFOSAA



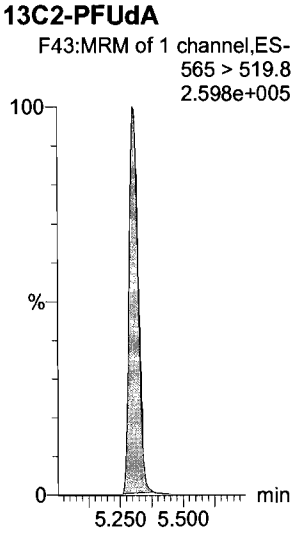
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA

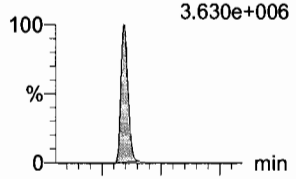


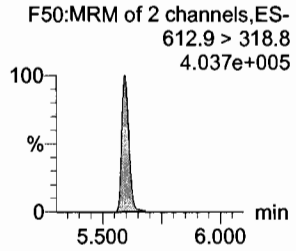
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

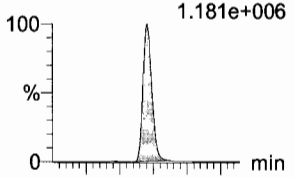
Name: 171026M1_9, Date: 26-Oct-2017, Time: 10:44:36, ID: ST171026M1-8 PFC CS5 17J2101, Description: PFC CS5 17J2101

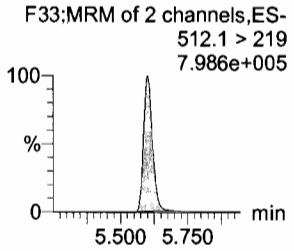
PFDoA



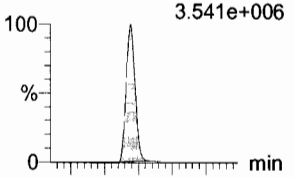


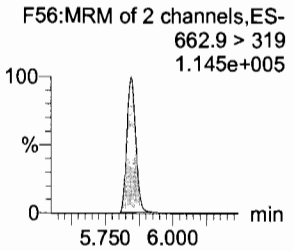
N-MeFOSA



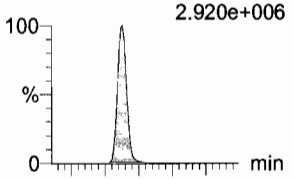


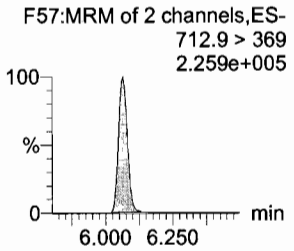
PFTrDA



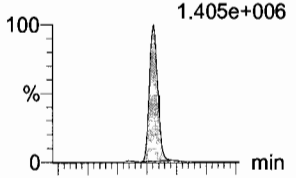


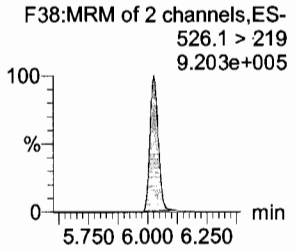
PFTeDA



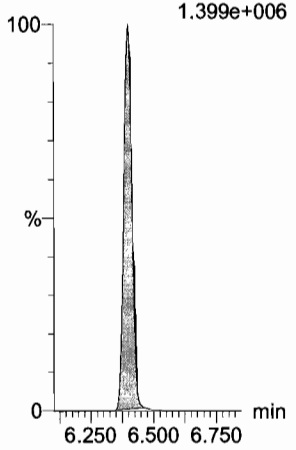


N-EtFOSA

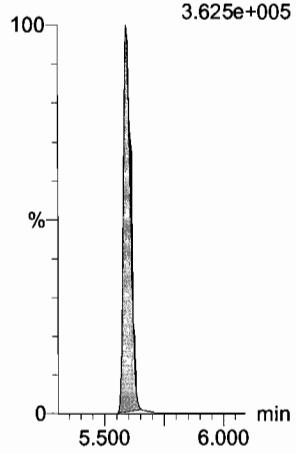




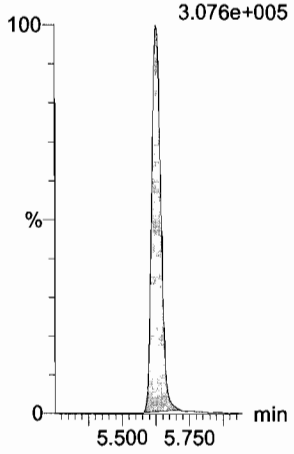
PFHxDA



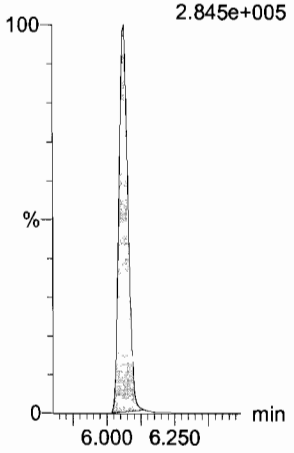
13C2-PFDoA



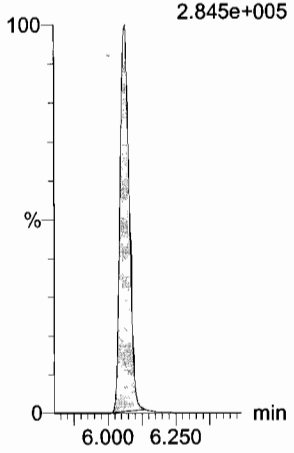
d3-N-MeFOSA



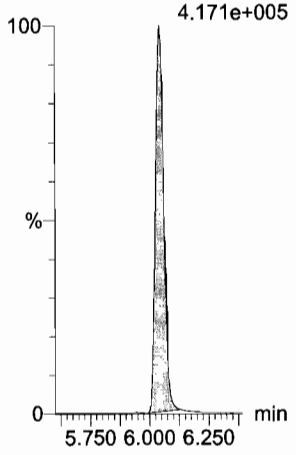
13C2-PFTeDA



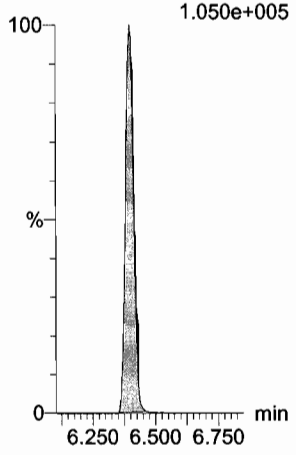
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

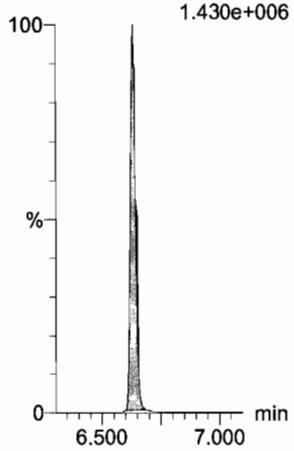


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

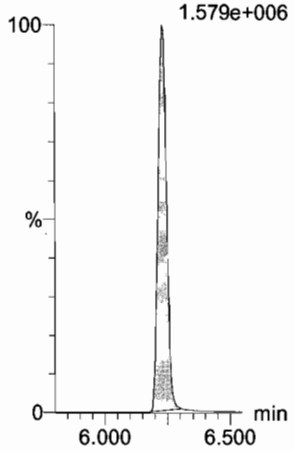
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_9, Date: 26-Oct-2017, Time: 10:44:36, ID: ST171026M1-8 PFC CS5 17J2101, Description: PFC CS5 17J2101

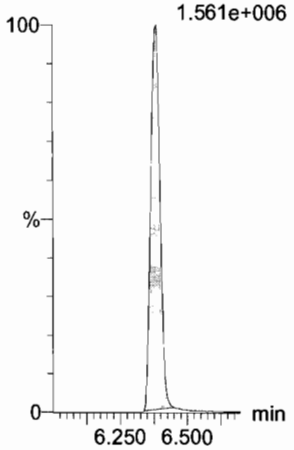
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
1.430e+006



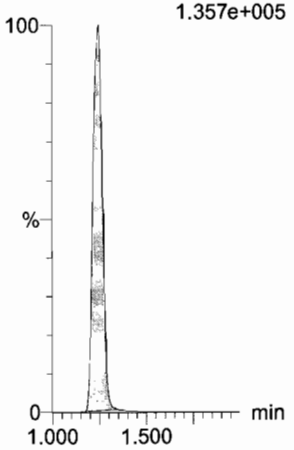
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
1.579e+006



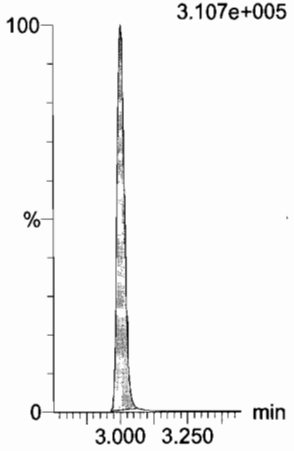
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
1.561e+006



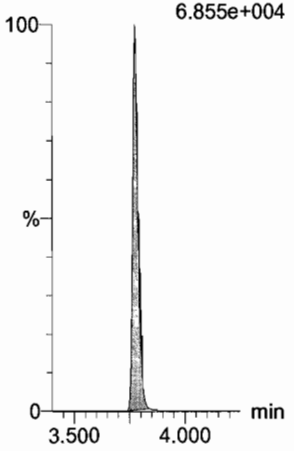
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.357e+005



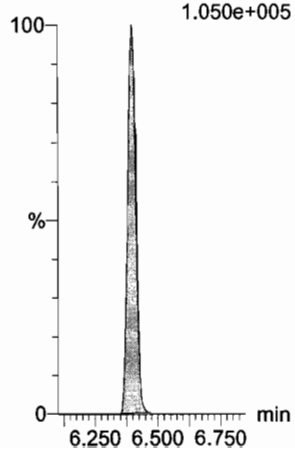
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
3.107e+005



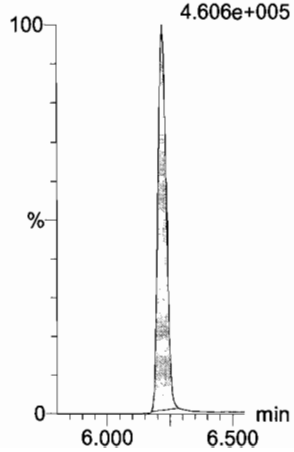
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
6.855e+004



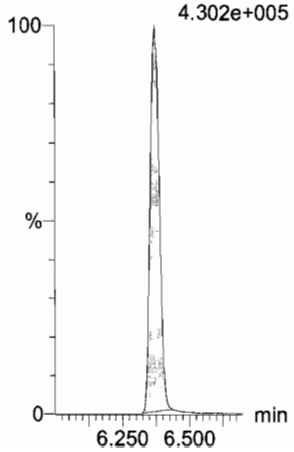
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.050e+005



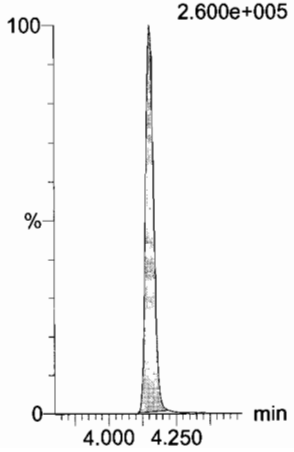
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
4.606e+005



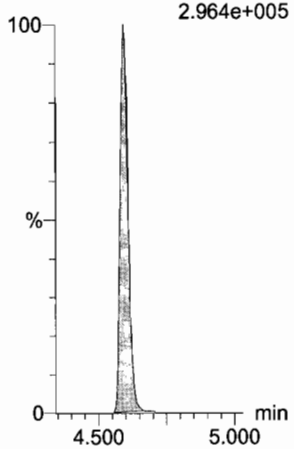
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
4.302e+005



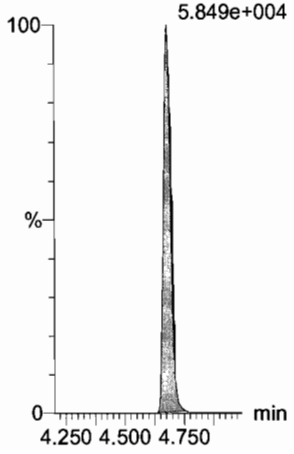
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
2.600e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
2.964e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
5.849e+004

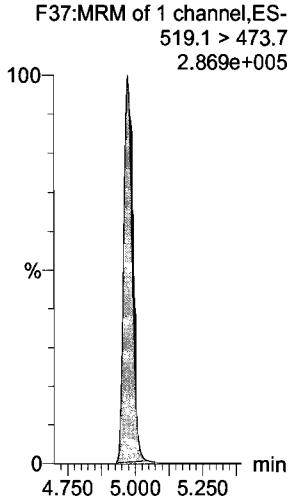


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

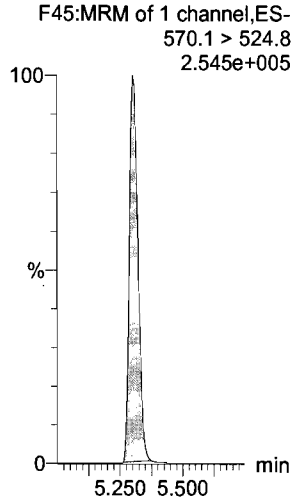
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_9, Date: 26-Oct-2017, Time: 10:44:36, ID: ST171026M1-8 PFC CS5 17J2101, Description: PFC CS5 17J2101

13C6-PFDA



13C7-PFUnA

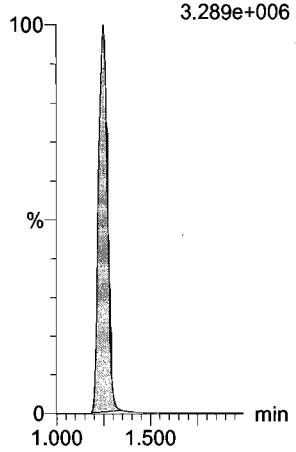


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

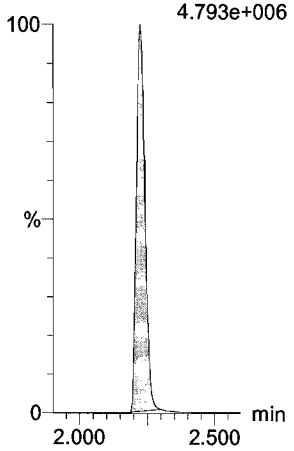
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_10, Date: 26-Oct-2017, Time: 10:55:46, ID: ST171026M1-9 PFC CS6 17J2517, Description: PFC CS6 17J2517

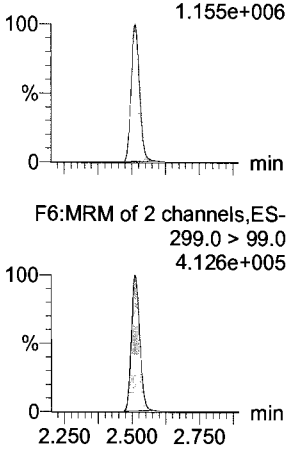
PFBA



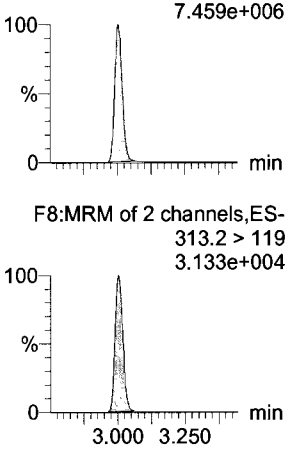
PFPeA



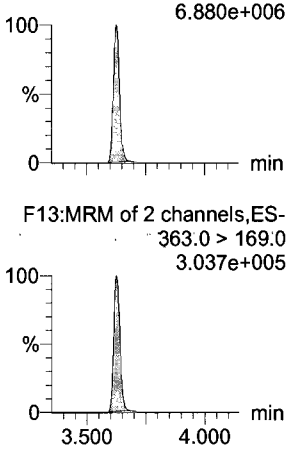
PFBS



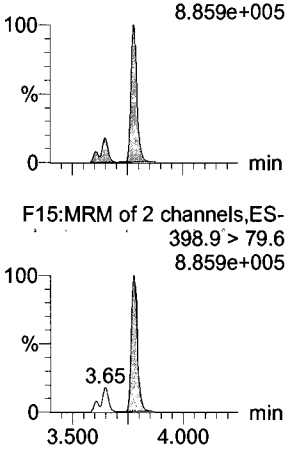
PFHxA



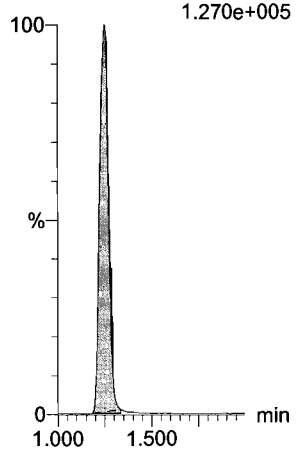
PFHpA



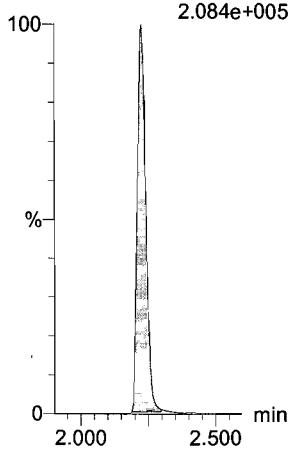
L-PFHxS



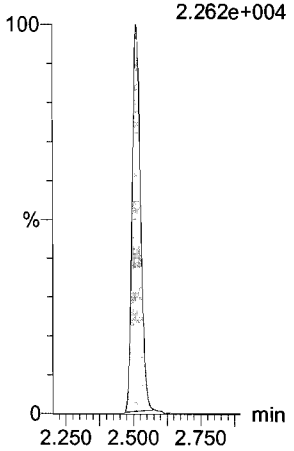
13C3-PFBA



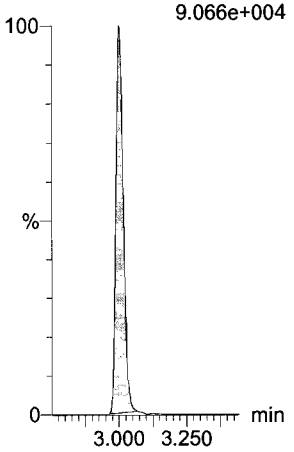
13C3-PFPeA



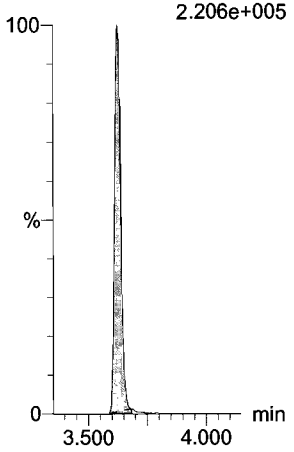
13C3-PFBS



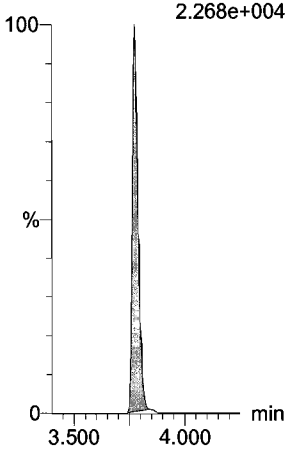
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS

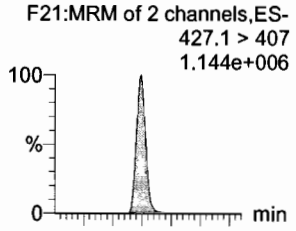


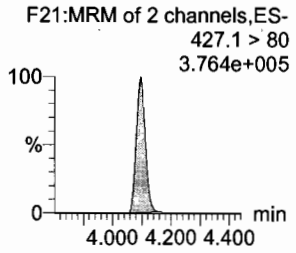
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

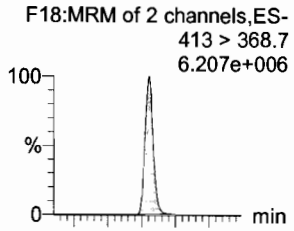
Name: 171026M1_10, Date: 26-Oct-2017, Time: 10:55:46, ID: ST171026M1-9 PFC CS6 17J2517, Description: PFC CS6 17J2517

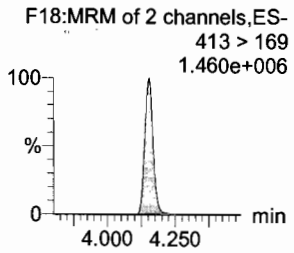
6:2 FTS



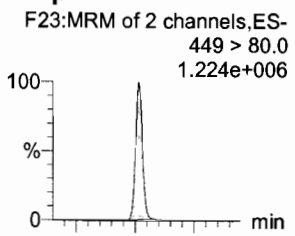


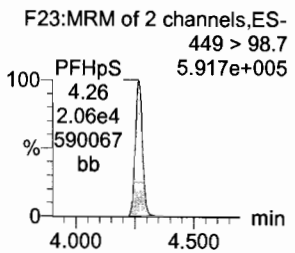
L-PFOA



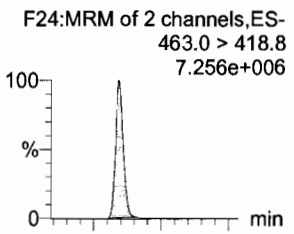


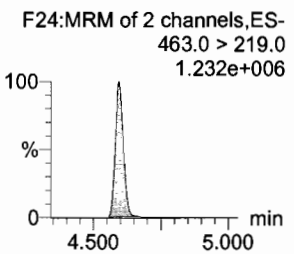
PFHpS



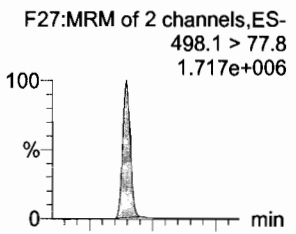


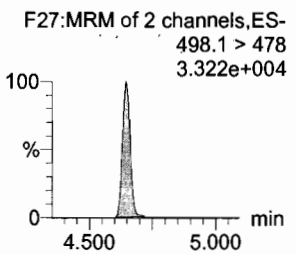
PFNA



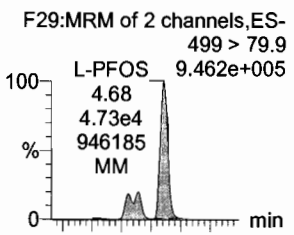


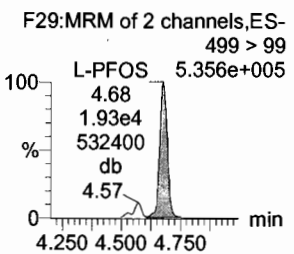
PFOSA



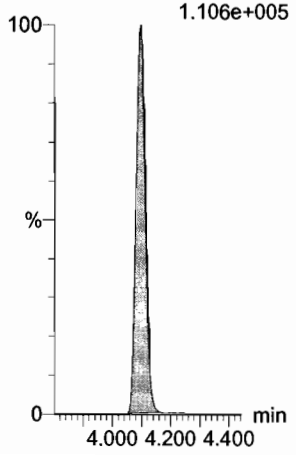


L-PFOS

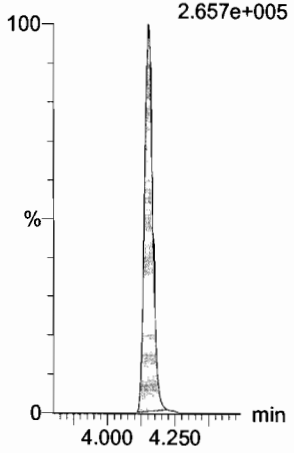




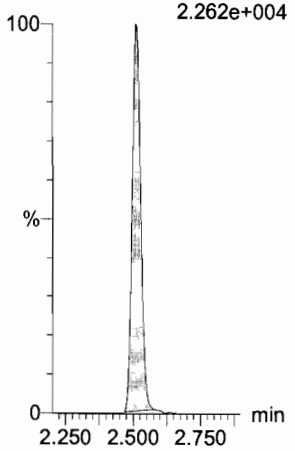
13C2-6:2 FTS



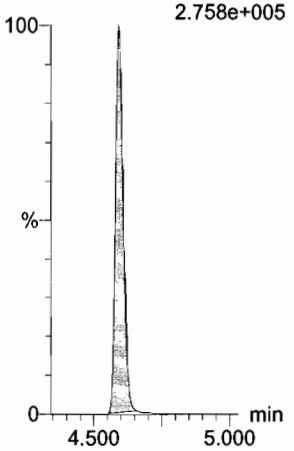
13C2-PFOA



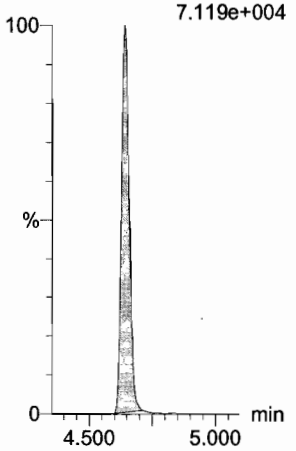
13C3-PFBS



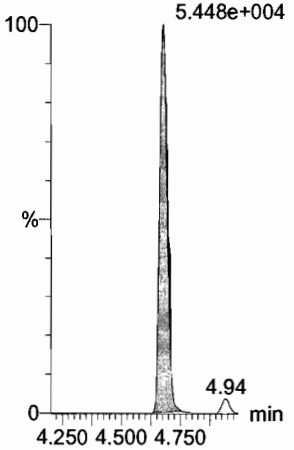
13C5-PFNA



13C8-PFOSA



13C8-PFOS

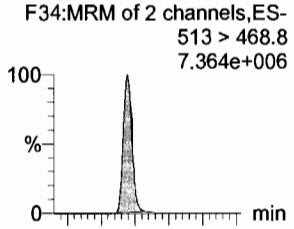


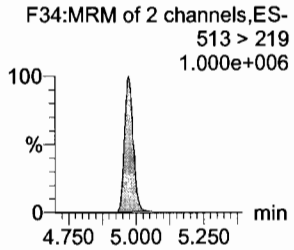
Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

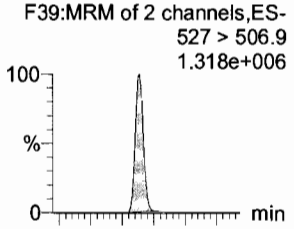
Name: 171026M1_10, Date: 26-Oct-2017, Time: 10:55:46, ID: ST171026M1-9 PFC CS6 17J2517, Description: PFC CS6 17J2517

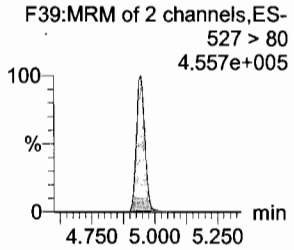
PFDA



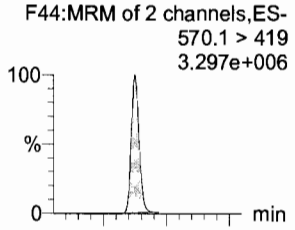


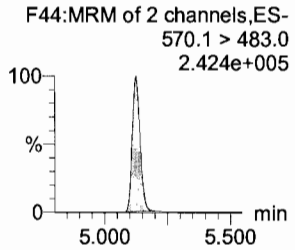
8:2 FTS



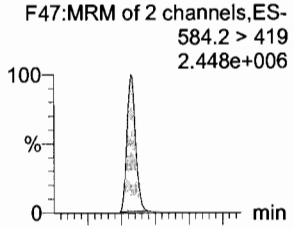


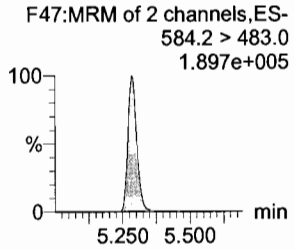
N-MeFOSAA



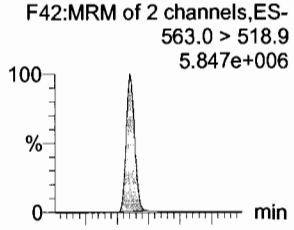


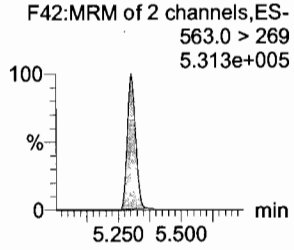
N-EtFOSAA



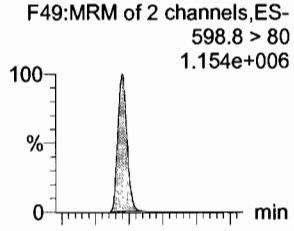


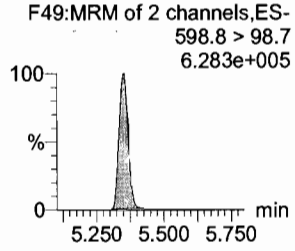
PFUnA



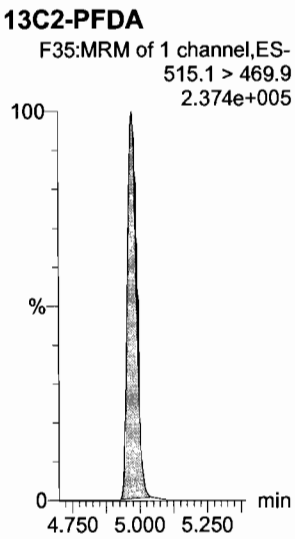


PFDS

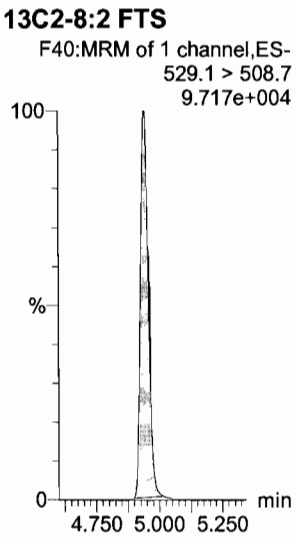




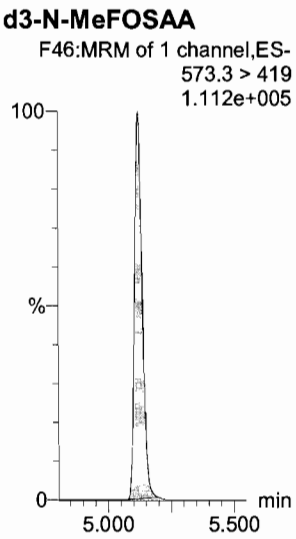
13C2-PFDA



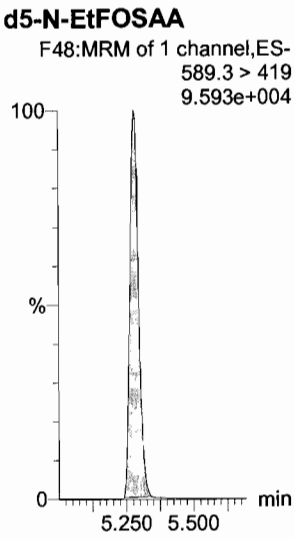
13C2-8:2 FTS



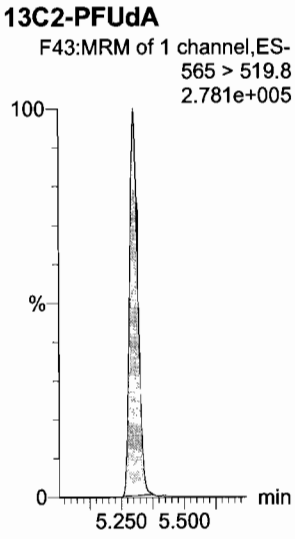
d3-N-MeFOSAA



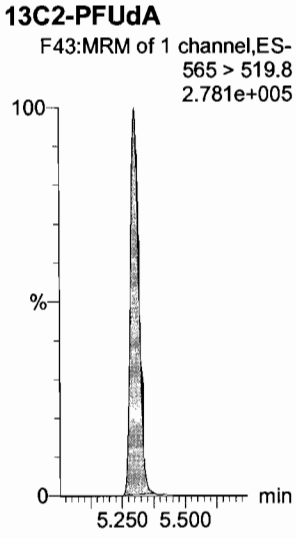
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA

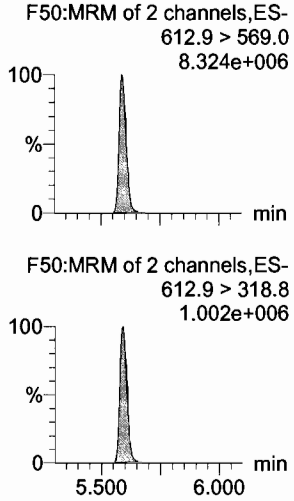


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

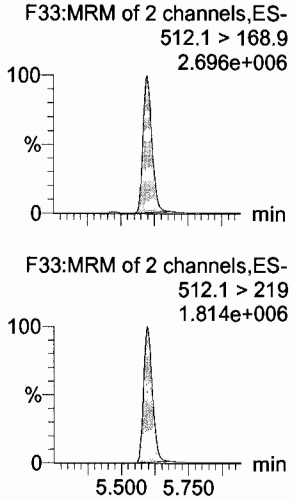
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_10, Date: 26-Oct-2017, Time: 10:55:46, ID: ST171026M1-9 PFC CS6 17J2517, Description: PFC CS6 17J2517

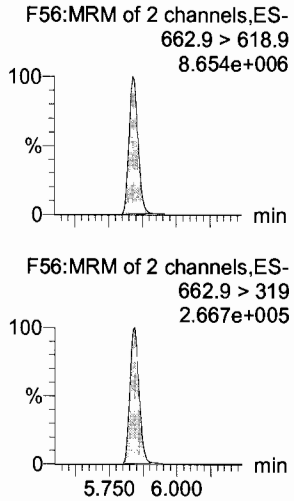
PFDoA



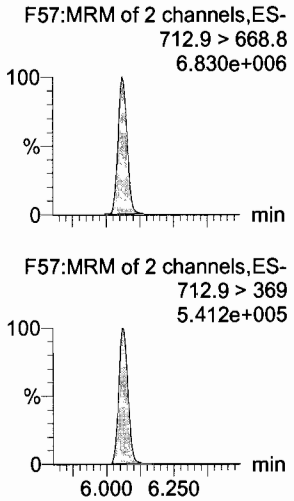
N-MeFOSA



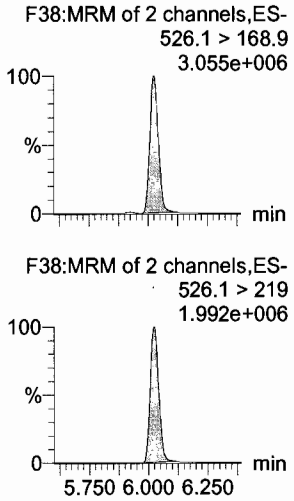
PFTrDA



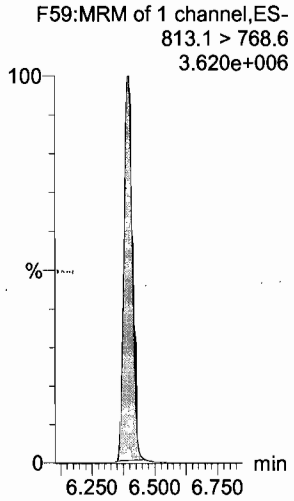
PFTeDA



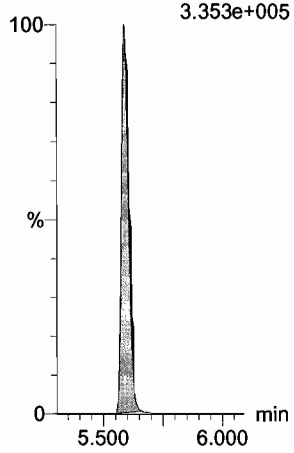
N-EtFOSA



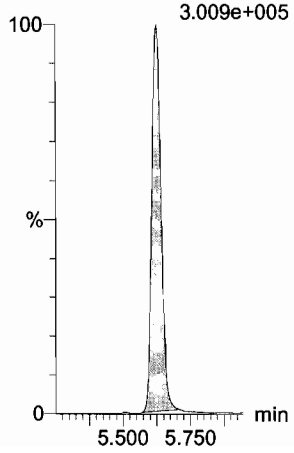
PFHxDA



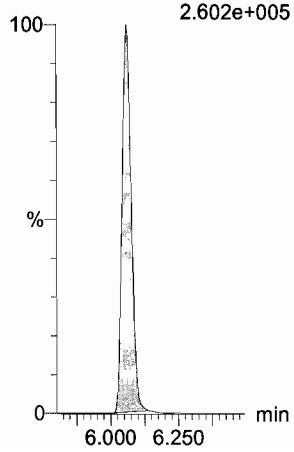
13C2-PFDoA



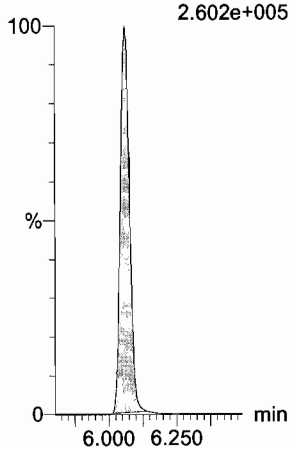
d3-N-MeFOSA



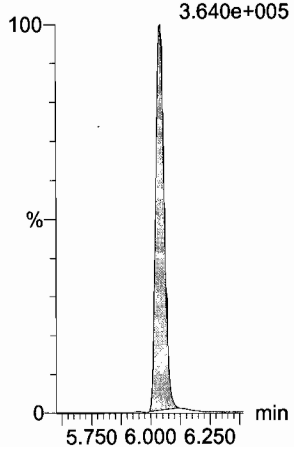
13C2-PFTeDA



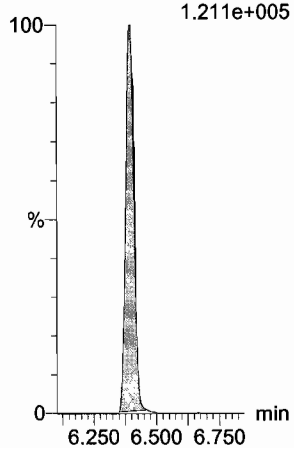
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

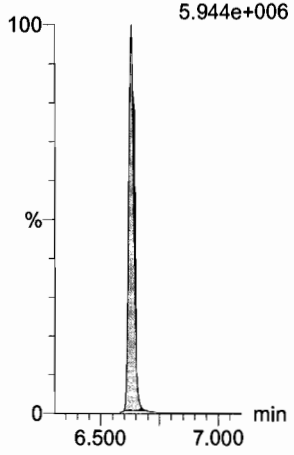


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

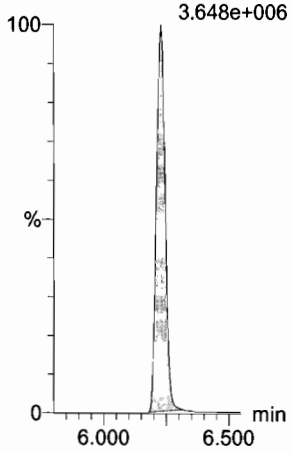
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_10, Date: 26-Oct-2017, Time: 10:55:46, ID: ST171026M1-9 PFC CS6 17J2517, Description: PFC CS6 17J2517

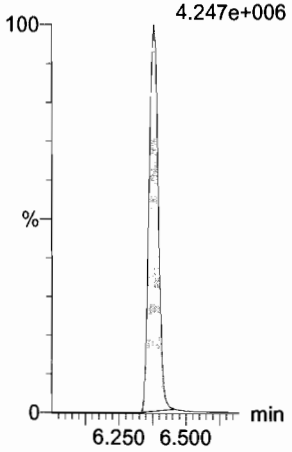
PFODA
F61:MRM of 1 channel,ES-
913.1 > 868.8
5.944e+006



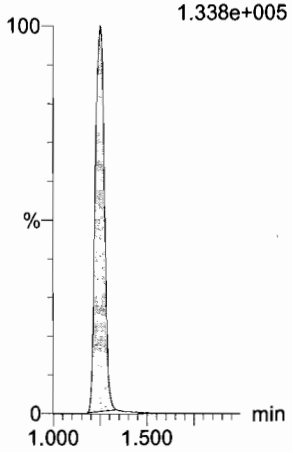
N-MeFOSE
F52:MRM of 1 channel,ES-
616.1 > 58.9
3.648e+006



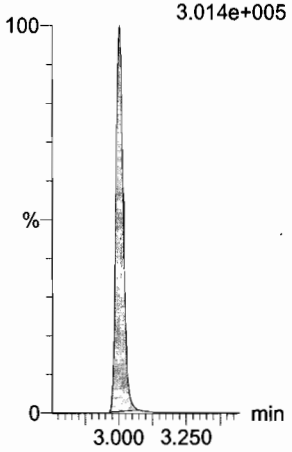
N-EtFOSE
F54:MRM of 1 channel,ES-
630.1 > 58.9
4.247e+006



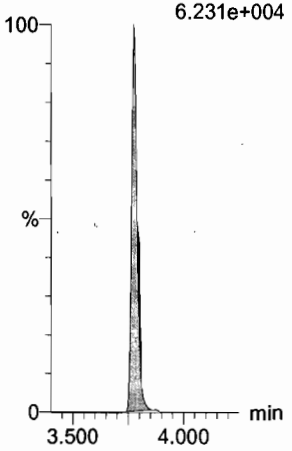
13C4-PFBA
F3:MRM of 1 channel,ES-
217. > 171.8
1.338e+005



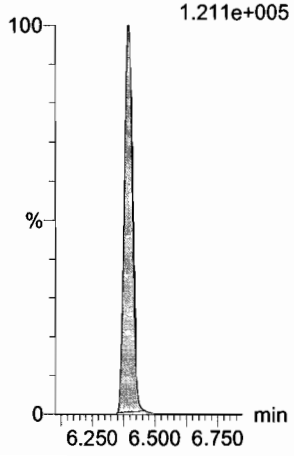
13C5-PFHxA
F10:MRM of 1 channel,ES-
318 > 272.9
3.014e+005



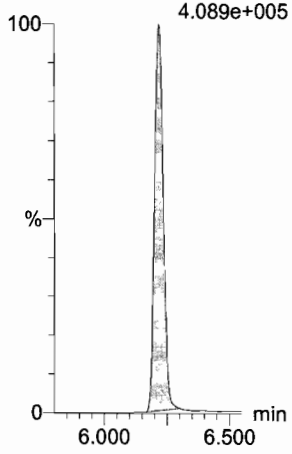
13C3-PFHxS
F16:MRM of 1 channel,ES-
401.9 > 79.9
6.231e+004



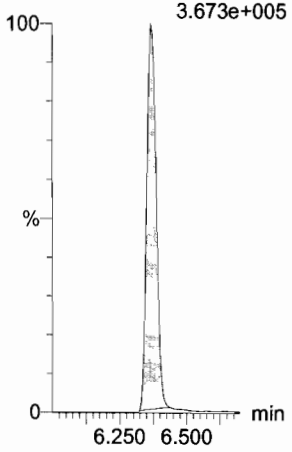
13C2-PFHxDA
F60:MRM of 1 channel,ES-
815 > 769.7
1.211e+005



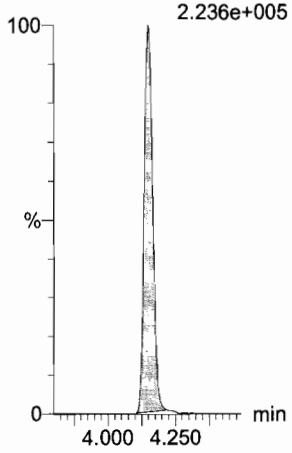
d7-N-MeFOSE
F53:MRM of 1 channel,ES-
623.1 > 58.9
4.089e+005



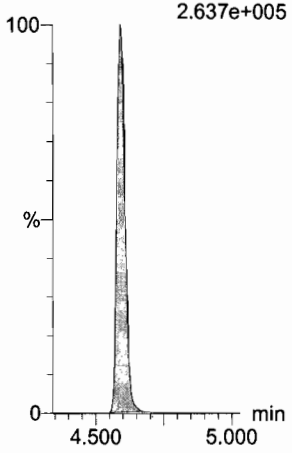
d9-N-EtFOSE
F55:MRM of 1 channel,ES-
639.2 > 58.8
3.673e+005



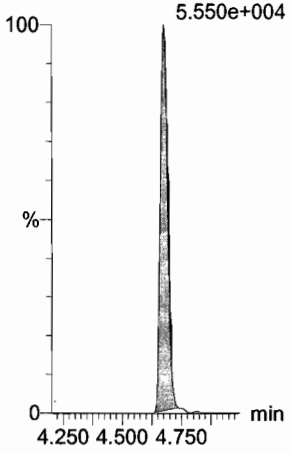
13C8-PFOA
F20:MRM of 1 channel,ES-
421.3 > 376
2.236e+005



13C9-PFNA
F26:MRM of 1 channel,ES-
472.2 > 426.9
2.637e+005



13C4-PFOS
F30:MRM of 1 channel,ES-
503 > 79.9
5.550e+004

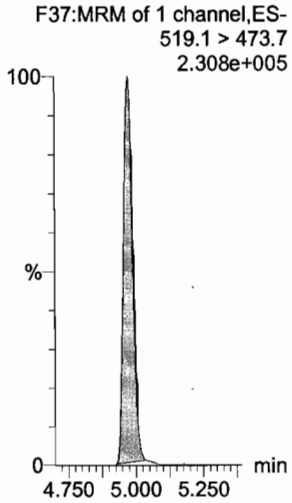


Dataset: U:\Q4.PRO\results\171026M1\171026M1-CRV.qld

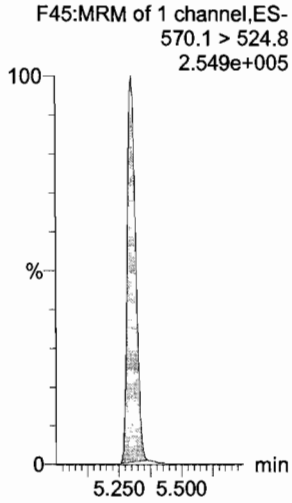
Last Altered: Thursday, October 26, 2017 15:43:46 Pacific Daylight Time
Printed: Thursday, October 26, 2017 15:44:32 Pacific Daylight Time

Name: 171026M1_10, Date: 26-Oct-2017, Time: 10:55:46, ID: ST171026M1-9 PFC CS6 17J2517, Description: PFC CS6 17J2517

13C6-PFDA



13C7-PFUnA



Vista Analytical Laboratory

Dataset: U:\Q4.PRO\results\171026M1\171026M1-13.qld

Last Altered: Friday, October 27, 2017 10:46:12 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:46:53 Pacific Daylight Time

Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 10:03:44
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

(A) Not MCV.

Name: 171026M1_13, Date: 26-Oct-2017, Time: 11:30:01, ID: ICV171026M1-1 PFC ICV 17I3003, Description: PFC ICV 17I3003

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.		%Rec
1	1	PFBA	213.0 > 168.8	8.56e3	8.12e3		1.32	1.23	13.2	10.5		105.2
2	2	PFPeA	263.1 > 218.9	8.13e3	8.46e3		2.31	2.21	12.0	10.4		104.0
3	3	PFBS	299.0 > 79.7	1.90e3	1.04e3		2.59	2.51	22.9	9.42		94.2
4	4	PFHxA	313.2 > 268.9	1.24e4	3.33e3		3.08	3.00	18.6	11.2		111.6
5	5	PFHpA	363.0 > 318.9	1.11e4	8.36e3		3.70	3.62	16.5	10.9		109.3
6	6	L-PFHxS	398.9 > 79.6	1.63e3	8.16e2		3.86	3.78	24.9	10.3		102.9
7	8	6:2 FTS	427.1 > 407	2.25e3	2.66e3		4.18	4.10	10.6	10.3		102.9
8	9	L-PFOA	413 > 368.7	1.12e4	1.20e4		4.23	4.15	11.7	10.1		101.0
9	11	PFHpS	449 > 80.0	1.99e3	1.20e4		4.34	4.27	2.07	10.0		100.3
10	12	PFNA	463.0 > 418.8	1.34e4	1.12e4		4.67	4.60	15.0	10.4		103.7
11	13	PFOSA	498.1 > 77.8	3.65e3	3.44e3		4.72	4.65	13.3	11.4		113.6
12	14	L-PFOS	499 > 79.9	2.28e3	2.69e3		4.76	4.68	10.6	9.18		91.8
13	16	PFDA	513 > 468.8	1.48e4	1.13e4		5.05	4.98	16.4	12.1		121.1
14	17	8:2 FTS	527 > 506.9	2.85e3	2.36e3		5.03	4.95	15.1	11.3		112.8
15	18	N-MeFOSAA	570.1 > 419	6.77e3	4.57e3		5.21	5.13	18.5	11.7		117.2
16	19	N-EtFOSAA	584.2 > 419	5.48e3	5.15e3		5.37	5.29	13.3	10.5		104.9
17	20	PFUnA	563.0 > 518.9	1.33e4	1.53e4		5.38	5.32	10.9	9.54		95.4
18	21	PFDS	598.8 > 80	2.58e3	1.53e4		5.43	5.36	2.11	10.8		107.7
19	22	PFDoA	612.9 > 569.0	2.05e4	1.69e4		5.67	5.60	15.2	12.0		119.8
20	23	N-MeFOSA	512.1 > 168.9		1.39e4		5.63				(A)	
21	24	PFTrDA	662.9 > 618.9	1.88e4	1.69e4		5.92	5.86	13.9	10.4		103.9
22	25	PFTeDA	712.9 > 668.8	1.50e4	1.25e4		6.13	6.08	15.1	9.16		91.6
23	26	N-EtFOSA	526.1 > 168.9		1.92e4		6.04				(A)	
24	27	PFHxDA	813.1 > 768.6		3.19e3		6.46					
25	29	N-MeFOSE	616.1 > 58.9		2.24e4		6.23					
26	30	N-EtFOSE	630.1 > 58.9		1.95e4		6.39					
27	31	13C3-PFBA	216.1 > 171.8	8.12e3	8.85e3	0.928	1.33	1.23	11.5	12.4		99.0
28	32	13C3-PFPeA	266. > 221.8	8.46e3	1.20e4	0.757	2.31	2.21	8.80	11.6		93.0
29	33	13C3-PFBS	302. > 98.8	1.04e3	1.20e4	0.091	2.59	2.51	1.08	11.9		95.1
30	34	13C2-PFHxA	315 > 269.8	3.33e3	1.20e4	0.739	3.08	3.00	3.46	4.68		93.7
31	35	13C4-PFHpA	367.2 > 321.8	8.36e3	1.20e4	0.684	3.70	3.62	8.69	12.7		101.7

70-130

50-150

DM 10/27/17

JA 10/27/2017

Dataset: U:\Q4.PRO\results\171026M1\171026M1-13.qld

Last Altered: Friday, October 27, 2017 10:46:12 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:46:53 Pacific Daylight Time

Name: 171026M1_13, Date: 26-Oct-2017, Time: 11:30:01, ID: ICV171026M1-1 PFC ICV 17I3003, Description: PFC ICV 17I3003

	#	Name	Trace	Area	IS Area	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	36	18O2-PFHxS	403.0 > 102.6	8.16e2	2.17e3	0.412	3.85	3.78	4.71	11.4	91.3
33	37	13C2-6:2 FTS	429.1 > 408.9	2.66e3	1.14e4	0.248	4.18	4.10	2.92	11.8	94.3
34	38	13C2-PFOA	414.9 > 369.7	1.20e4	1.14e4	1.120	4.23	4.15	13.2	11.8	94.5
35	39	13C5-PFNA	468.2 > 422.9	1.12e4	1.20e4	0.929	4.67	4.59	11.7	12.6	100.5
36	40	13C8-PFOSA	506.1 > 77.7	3.44e3	1.46e4	0.246	4.72	4.65	2.93	11.9	95.3
37	41	13C8-PFOS	507.0 > 79.9	2.69e3	2.51e3	1.027	4.76	4.68	13.4	13.1	104.4
38	42	13C2-PFDA	515.1 > 469.9	1.13e4	1.25e4	0.946	5.05	4.98	11.2	11.9	95.1
39	43	13C2-8:2 FTS	529.1 > 508.7	2.36e3	1.25e4	0.171	5.03	4.95	2.36	13.8	110.2
40	44	d3-N-MeFOSAA	573.3 > 419	4.57e3	1.46e4	0.358	5.20	5.13	3.90	10.9	87.2
41	45	d5-N-EtFOSAA	589.3 > 419	5.15e3	1.46e4	0.360	5.36	5.29	4.39	12.2	97.7
42	46	13C2-PFUdA	565 > 519.8	1.53e4	1.46e4	1.045	5.38	5.32	13.0	12.5	99.9
43	47	13C2-PFDoA	615.0 > 569.7	1.69e4	1.46e4	1.141	5.67	5.60	14.4	12.6	100.8
44	48	d3-N-MeFOSA	515.2 > 168.9	1.39e4	1.46e4	0.093	5.65	5.62	11.8	127	84.5
45	49	13C2-PFTeDA	714.8 > 669.6	1.25e4	1.46e4	0.934	6.13	6.08	10.6	11.4	91.1
46	50	d5-N-ETFOSA	531.1 > 168.9	1.92e4	1.46e4	0.132	6.06	6.04	16.4	124	82.8
47	51	13C2-PFHxDA	815 > 769.7	3.19e3	1.46e4	0.809	6.45	6.41	2.73	3.37	67.4
48	52	d7-N-MeFOSE	623.1 > 58.9	2.24e4	1.46e4	0.142	6.22	6.23	19.1	135	89.8
49	53	d9-N-EtFOSE	639.2 > 58.8	1.95e4	1.46e4	0.131	6.37	6.38	16.6	127	84.8
50	54	13C4-PFBA	217. > 171.8	8.85e3	8.85e3	1.000	1.33	1.23	12.5	12.5	100.0
51	55	13C5-PFHxA	318 > 272.9	1.20e4	1.20e4	1.000	3.08	2.99	12.5	12.5	100.0
52	56	13C3-PFHxS	401.9 > 79.9	2.17e3	2.17e3	1.000	3.85	3.77	12.5	12.5	100.0
53	57	13C8-PFOA	421.3 > 376	1.14e4	1.14e4	1.000	4.23	4.15	12.5	12.5	100.0
54	58	13C9-PFNA	472.2 > 426.9	1.20e4	1.20e4	1.000	4.67	4.59	12.5	12.5	100.0
55	59	13C4-PFOS	503 > 79.9	2.51e3	2.51e3	1.000	4.76	4.68	12.5	12.5	100.0
56	60	13C6-PFDA	519.1 > 473.7	1.25e4	1.25e4	1.000	5.05	4.98	12.5	12.5	100.0
57	61	13C7-PFUnA	570.1 > 524.8	1.46e4	1.46e4	1.000	5.38	5.31	12.5	12.5	100.0

50-150

Vista Analytical Laboratory

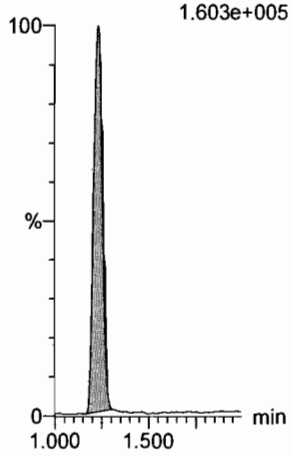
Dataset: U:\Q4.PRO\results\171026M1\171026M1-13.qld

Last Altered: Friday, October 27, 2017 10:46:12 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:46:53 Pacific Daylight Time

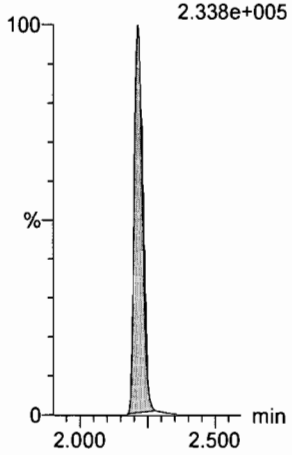
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 27 Oct 2017 10:03:44
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 27 Oct 2017 10:26:14

Name: 171026M1_13, Date: 26-Oct-2017, Time: 11:30:01, ID: ICV171026M1-1 PFC ICV 17I3003, Description: PFC ICV 17I3003

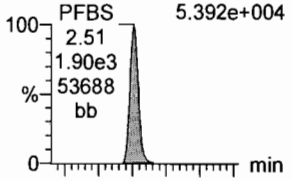
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
1.603e+005



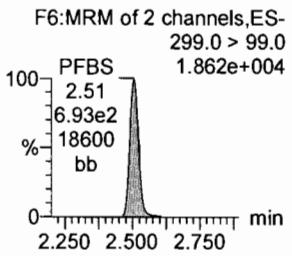
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
2.338e+005



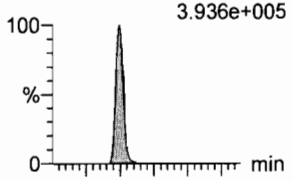
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
5.392e+004



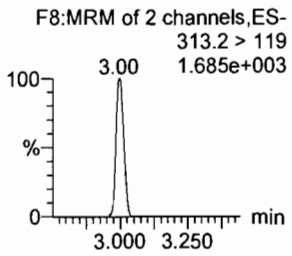
F6:MRM of 2 channels,ES-
299.0 > 99.0
1.862e+004



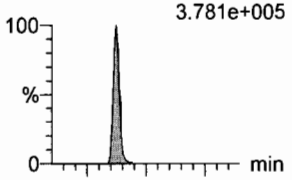
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
3.936e+005



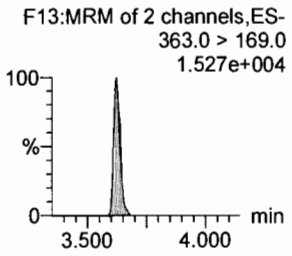
F8:MRM of 2 channels,ES-
313.2 > 119
1.685e+003



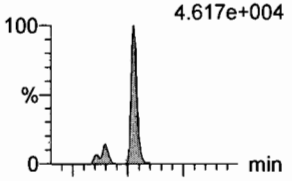
PFHpA
F13:MRM of 2 channels,ES-
363.0 > 318.9
3.781e+005



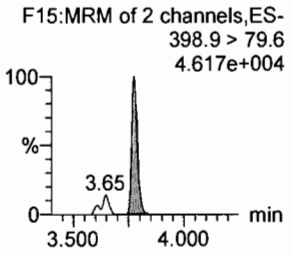
F13:MRM of 2 channels,ES-
363.0 > 169.0
1.527e+004



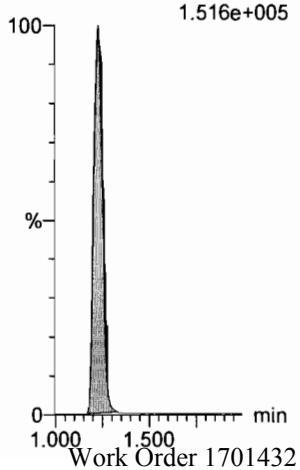
L-PFHxS
F15:MRM of 2 channels,ES-
398.9 > 79.6
4.617e+004



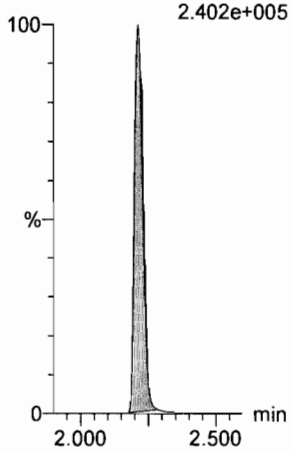
F15:MRM of 2 channels,ES-
398.9 > 79.6
4.617e+004



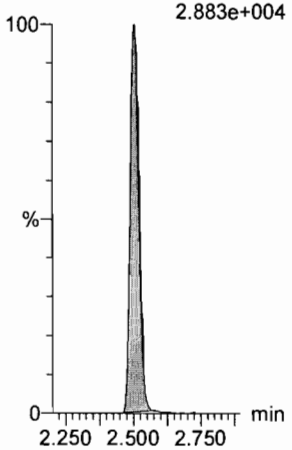
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
1.516e+005



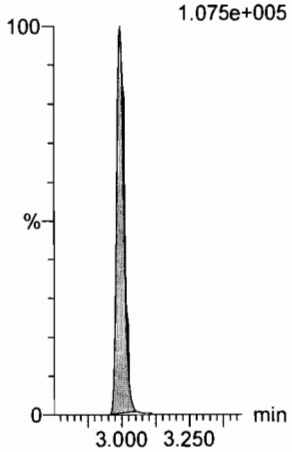
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.402e+005



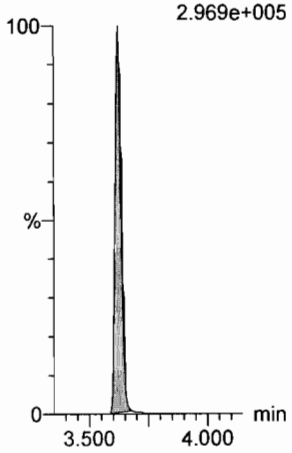
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
2.883e+004



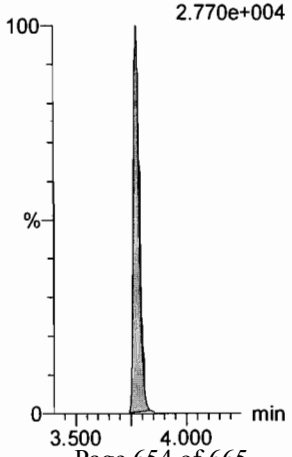
13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
1.075e+005



13C4-PFHpA
F14:MRM of 1 channel,ES-
367.2 > 321.8
2.969e+005



18O2-PFHxS
F17:MRM of 1 channel,ES-
403.0 > 102.6
2.770e+004

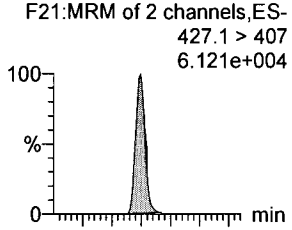


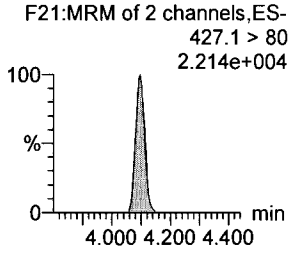
Dataset: U:\Q4.PRO\results\171026M1\171026M1-13.qld

Last Altered: Friday, October 27, 2017 10:46:12 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:46:53 Pacific Daylight Time

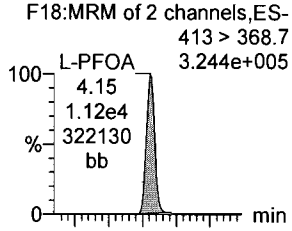
Name: 171026M1_13, Date: 26-Oct-2017, Time: 11:30:01, ID: ICV171026M1-1 PFC ICV 17I3003, Description: PFC ICV 17I3003

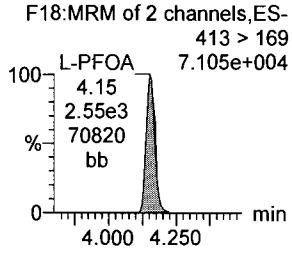
6:2 FTS



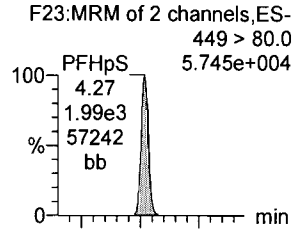


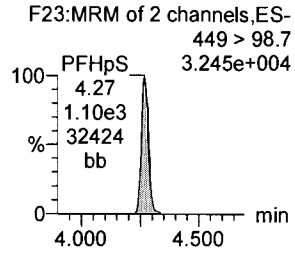
L-PFOA



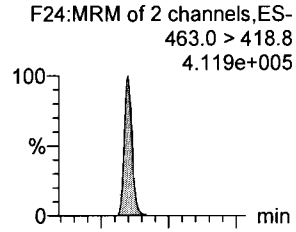


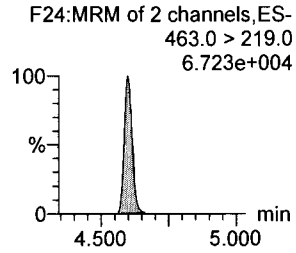
PFHpS



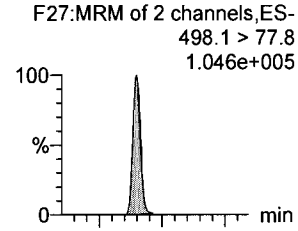


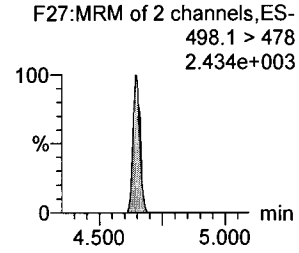
PFNA



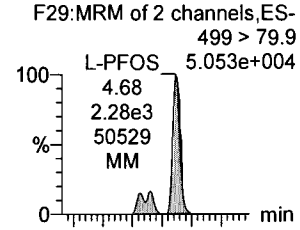


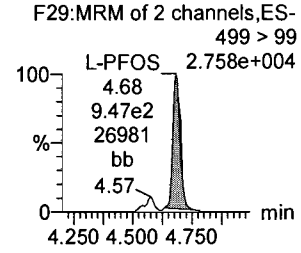
PFOSA



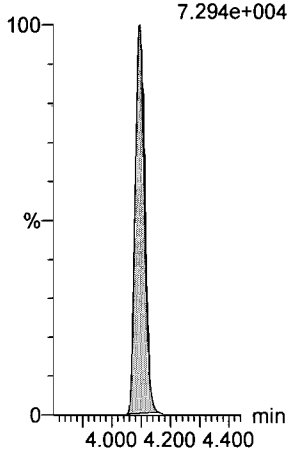


L-PFOS

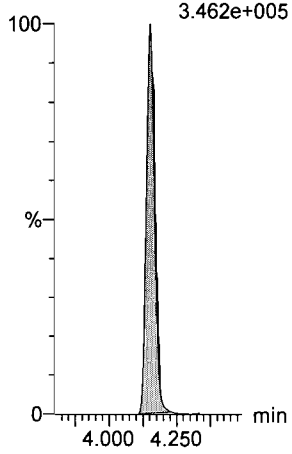




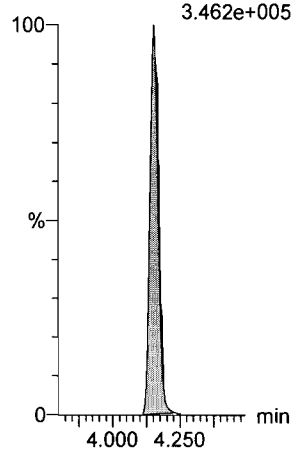
13C2-6:2 FTS



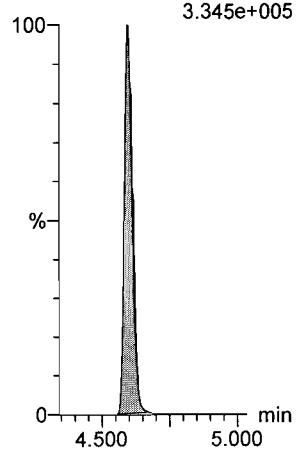
13C2-PFOA



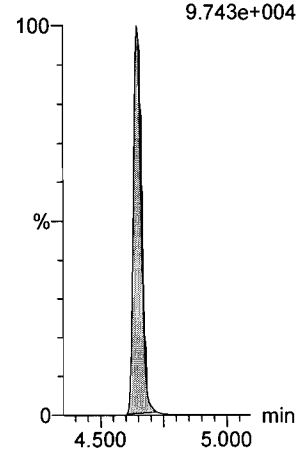
13C2-PFOA



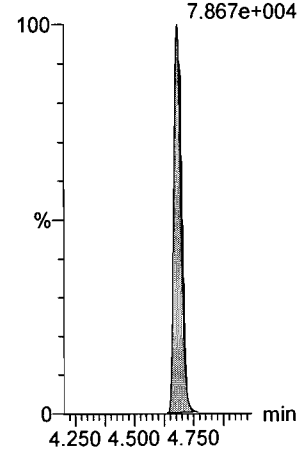
13C5-PFNA



13C8-PFOSA



13C8-PFOS

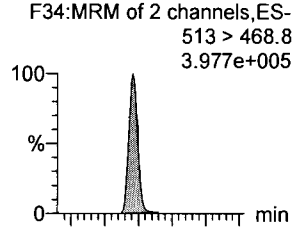


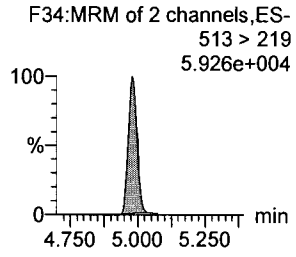
Dataset: U:\Q4.PRO\results\171026M1\171026M1-13.qld

Last Altered: Friday, October 27, 2017 10:46:12 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:46:53 Pacific Daylight Time

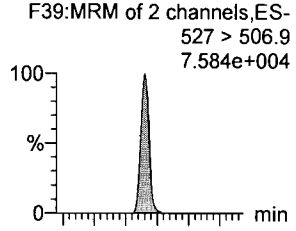
Name: 171026M1_13, Date: 26-Oct-2017, Time: 11:30:01, ID: ICV171026M1-1 PFC ICV 17I3003, Description: PFC ICV 17I3003

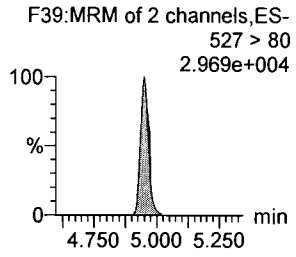
PFDA



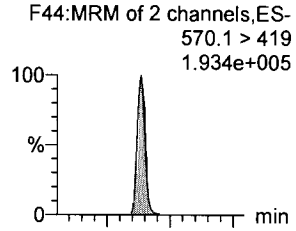


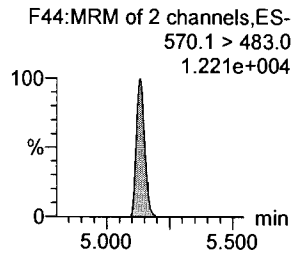
8:2 FTS



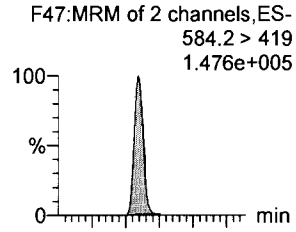


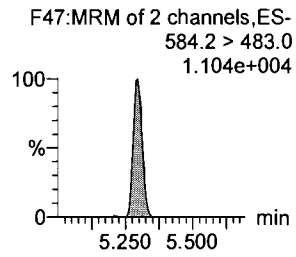
N-MeFOSAA



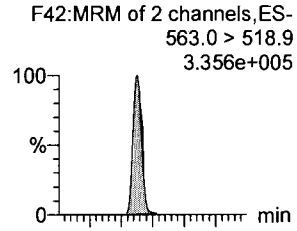


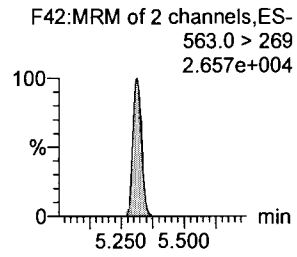
N-EtFOSAA



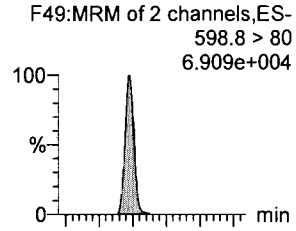


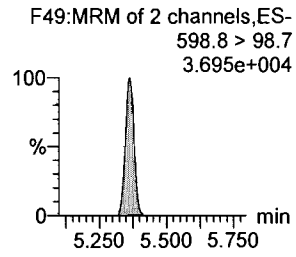
PFUnA



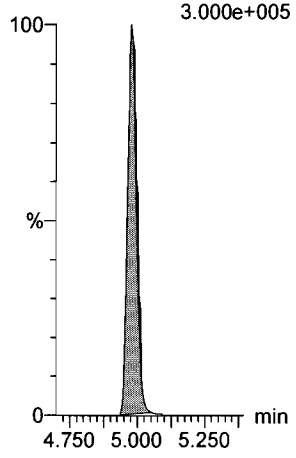


PFDS

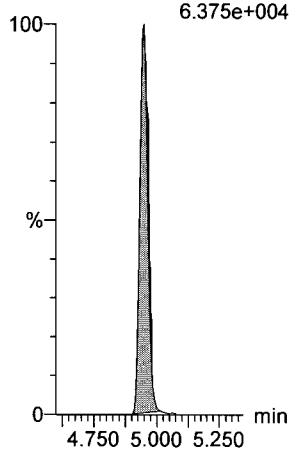




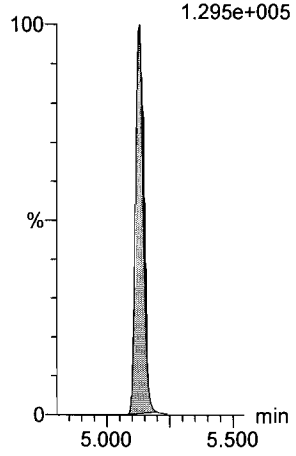
13C2-PFDA



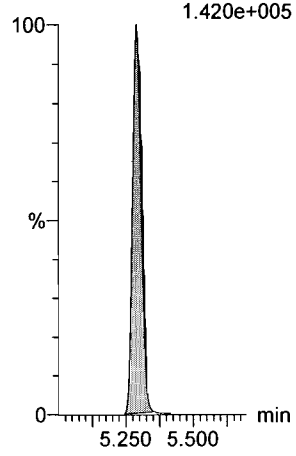
13C2-8:2 FTS



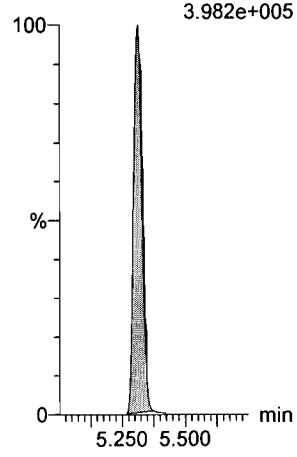
d3-N-MeFOSAA



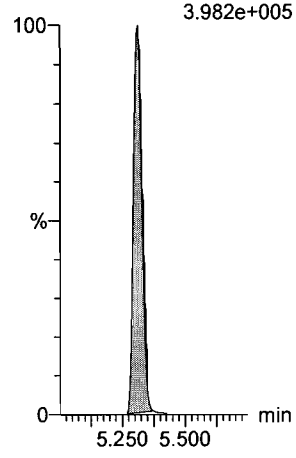
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA

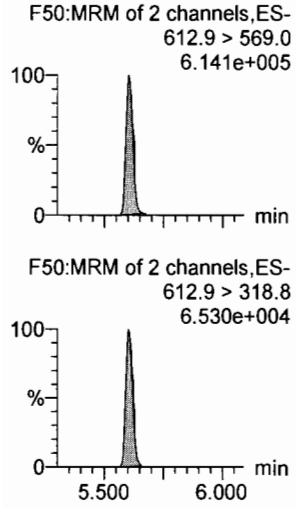


Dataset: U:\Q4.PRO\results\171026M1\171026M1-13.qld

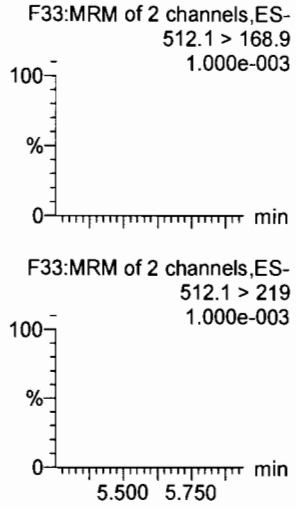
Last Altered: Friday, October 27, 2017 10:46:12 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:46:53 Pacific Daylight Time

Name: 171026M1_13, Date: 26-Oct-2017, Time: 11:30:01, ID: ICV171026M1-1 PFC ICV 17I3003, Description: PFC ICV 17I3003

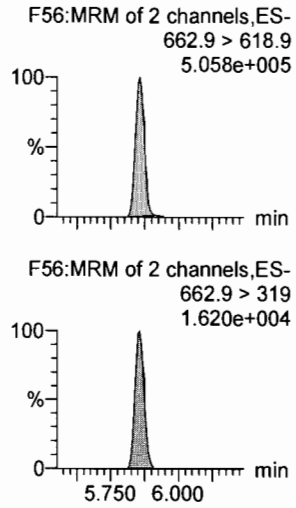
PFDoA



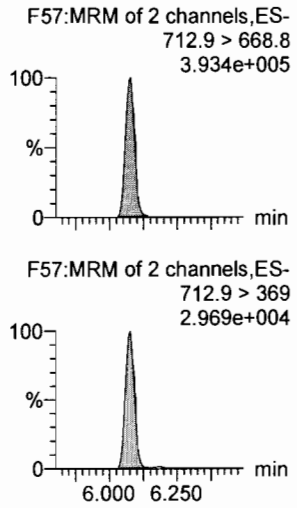
N-MeFOSA



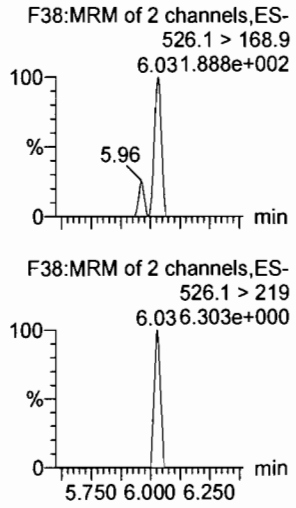
PFTrDA



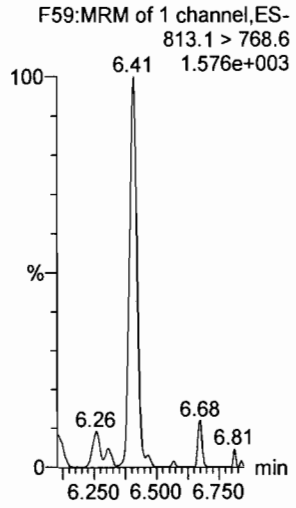
PFTeDA



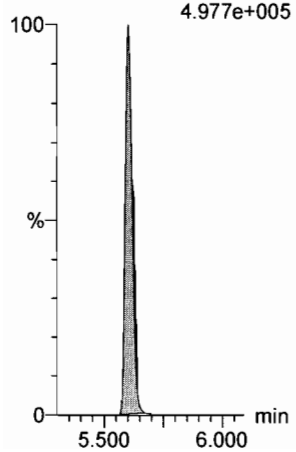
N-EtFOSA



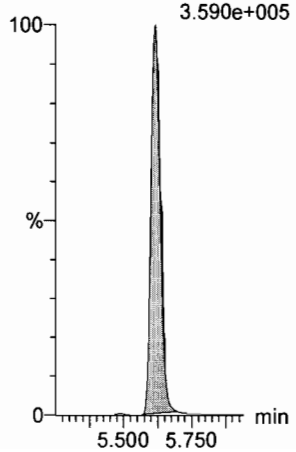
PFHxDA



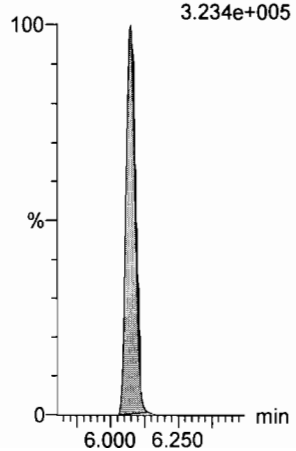
13C2-PFDoA



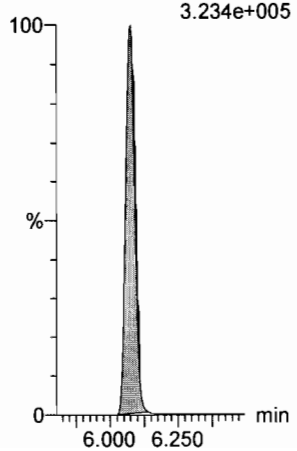
d3-N-MeFOSA



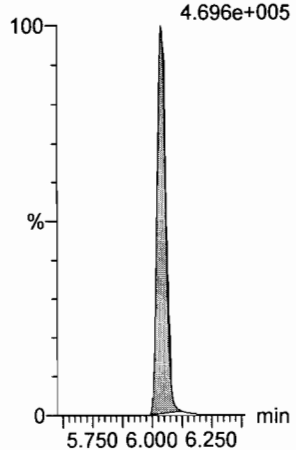
13C2-PFTeDA



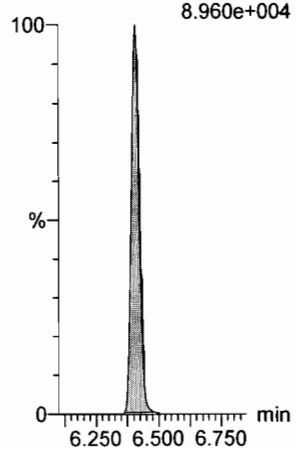
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA

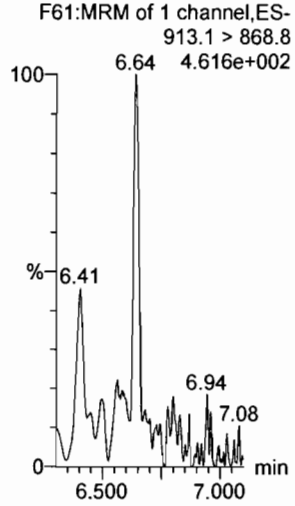


Dataset: U:\Q4.PRO\results\171026M1\171026M1-13.qld

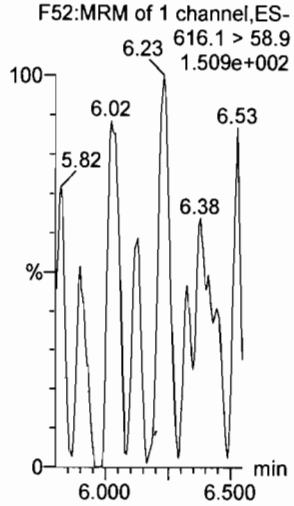
Last Altered: Friday, October 27, 2017 10:46:12 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:46:53 Pacific Daylight Time

Name: 171026M1_13, Date: 26-Oct-2017, Time: 11:30:01, ID: ICV171026M1-1 PFC ICV 17I3003, Description: PFC ICV 17I3003

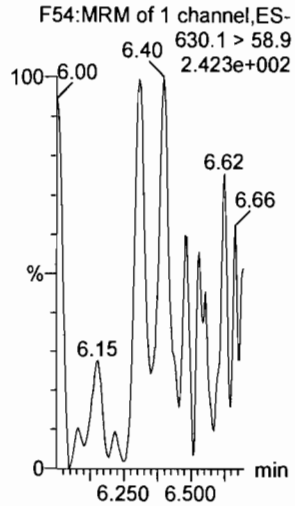
PFODA



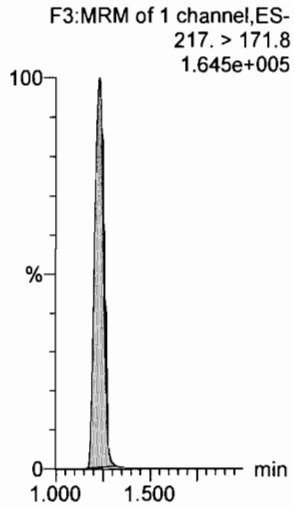
N-MeFOSE



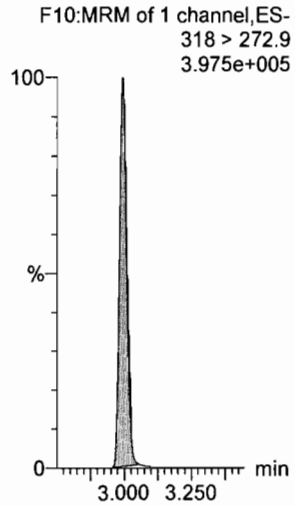
N-EtFOSE



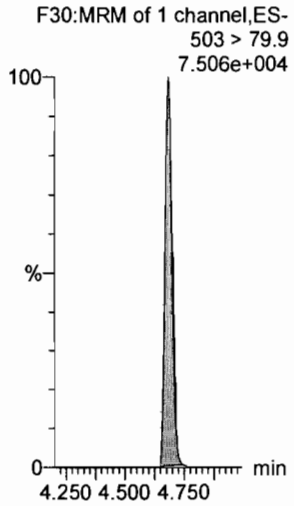
13C4-PFBA



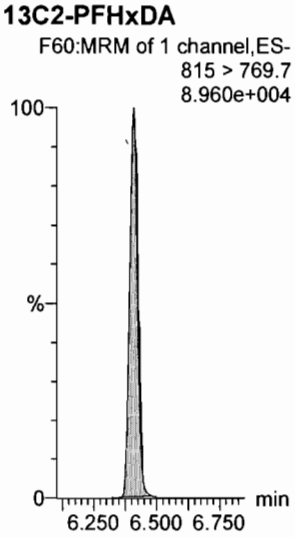
13C5-PFHxA



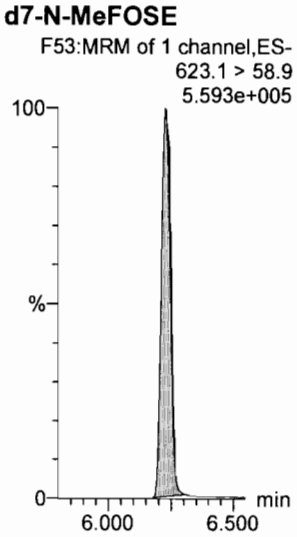
13C4-PFOS



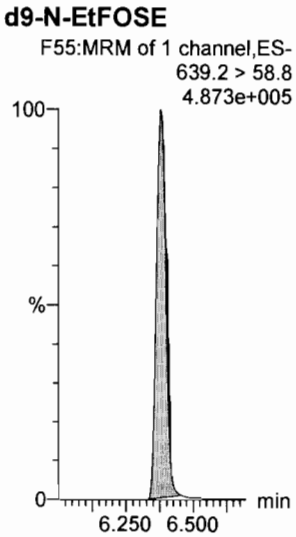
13C2-PFHxDA



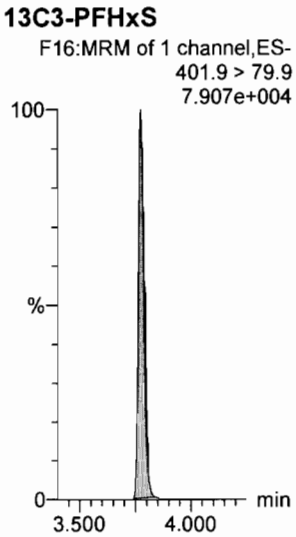
d7-N-MeFOSE



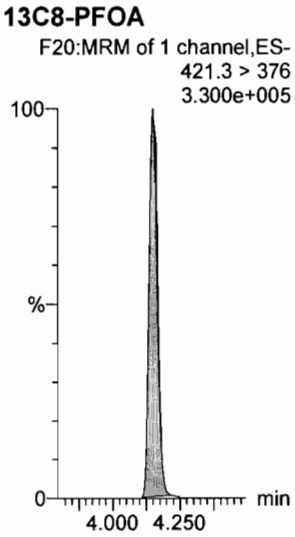
d9-N-EtFOSE



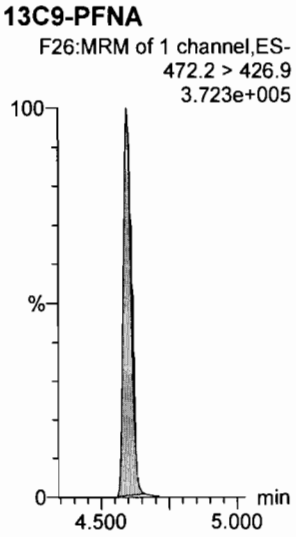
13C3-PFHxS



13C8-PFOA



13C9-PFNA

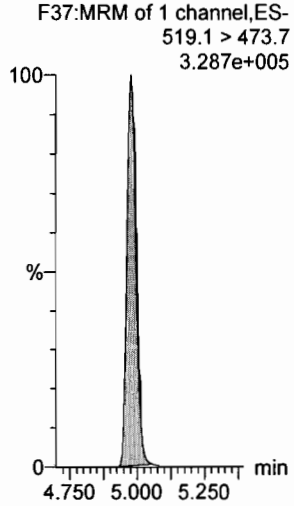


Dataset: U:\Q4.PRO\results\171026M1\171026M1-13.qld

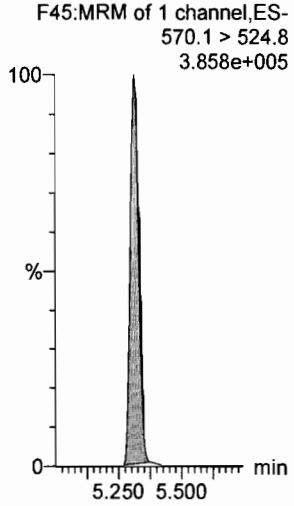
Last Altered: Friday, October 27, 2017 10:46:12 Pacific Daylight Time
Printed: Friday, October 27, 2017 10:46:53 Pacific Daylight Time

Name: 171026M1_13, Date: 26-Oct-2017, Time: 11:30:01, ID: ICV171026M1-1 PFC ICV 17I3003, Description: PFC ICV 17I3003

13C6-PFDA



13C7-PFUnA



Vista Analytical Laboratory

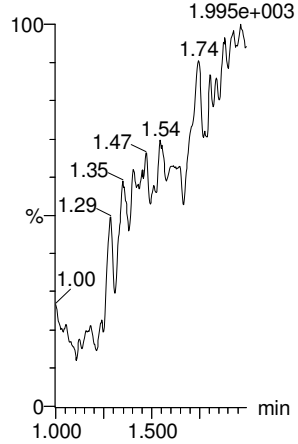
Dataset: Untitled

Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

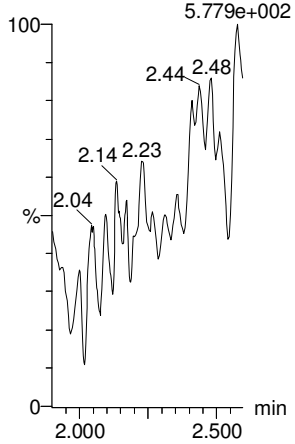
Method: U:\Q4.PRO\MethDB\PFAS_FULL_80C_102517.mdb 26 Oct 2017 08:20:12
Calibration: U:\Q4.PRO\CurveDB\C18_VAL-PFAS_Q4_10-26-17-FULL_NOPFODA.cdb 26 Oct 2017 16:54:06

Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

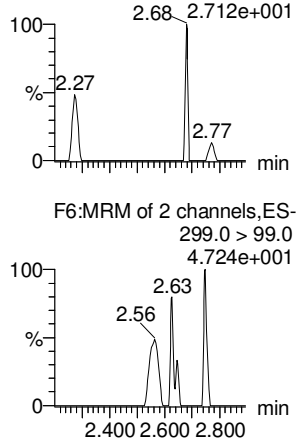
PFBA



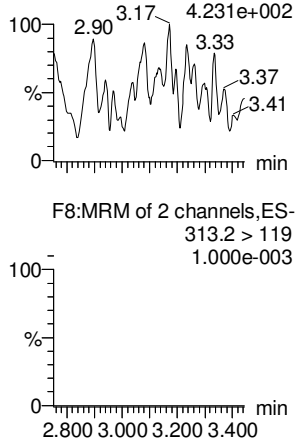
PFPeA



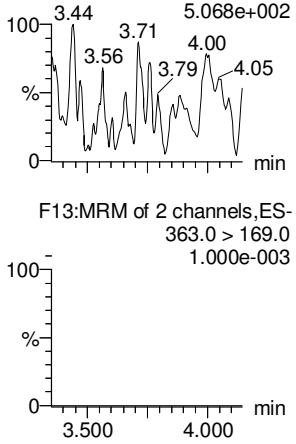
PFBS



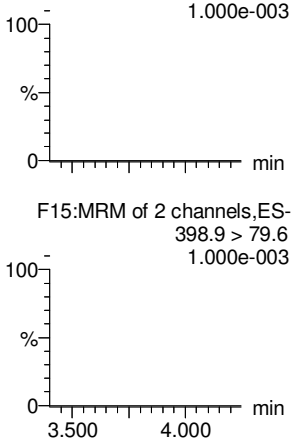
PFHxA



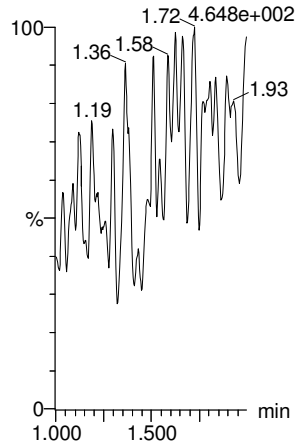
PFHpA



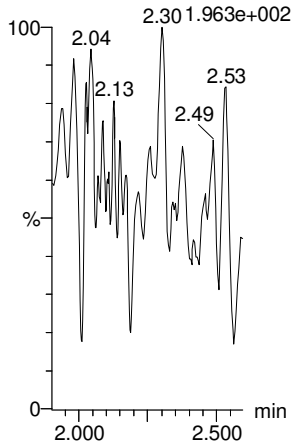
L-PFHxS



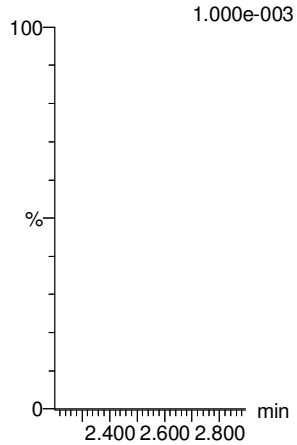
13C3-PFBA



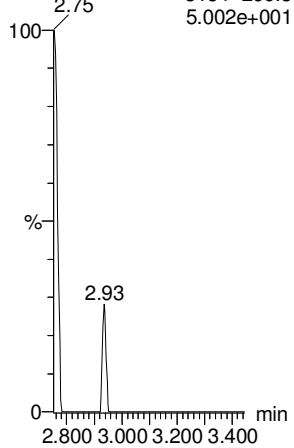
13C3-PFPeA



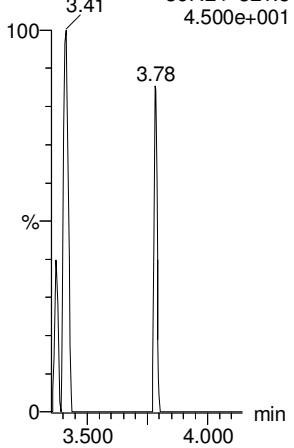
13C3-PFBS



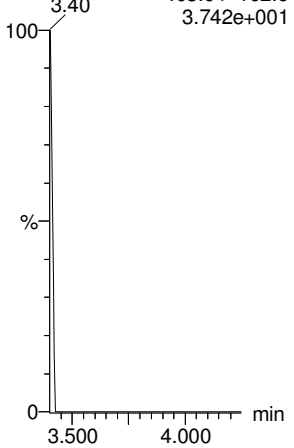
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



GM 10/26/17

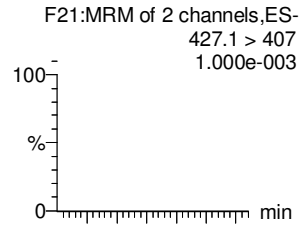
Vista Analytical Laboratory

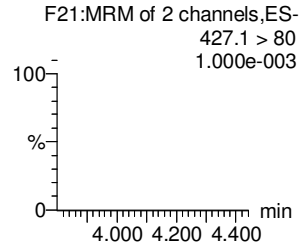
Dataset: Untitled

Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

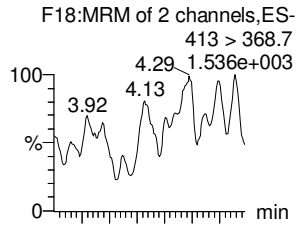
Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

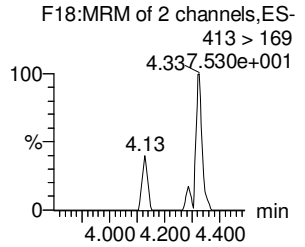
6:2 FTS



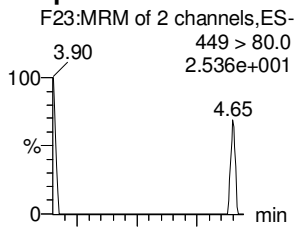


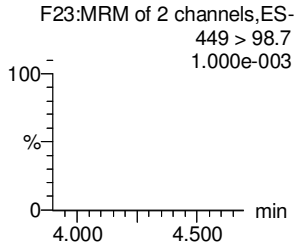
L-PFOA



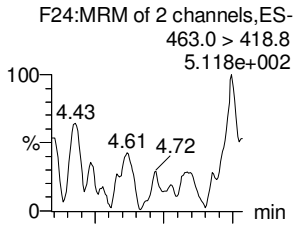


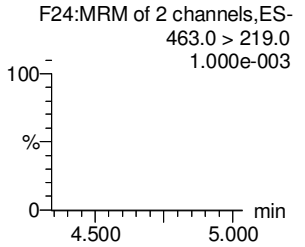
PFHpS



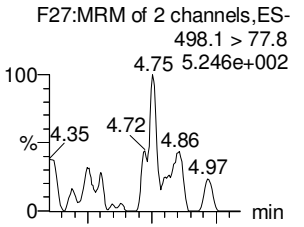


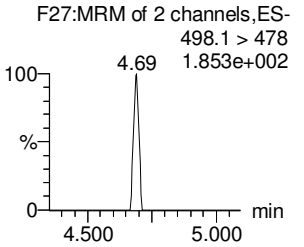
PFNA



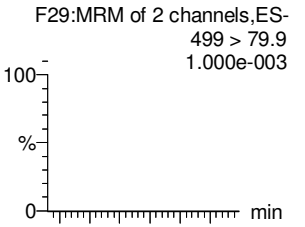


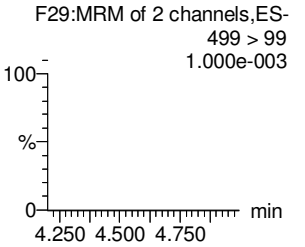
PFOSA



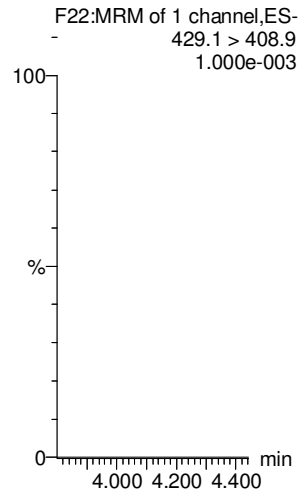


L-PFOS

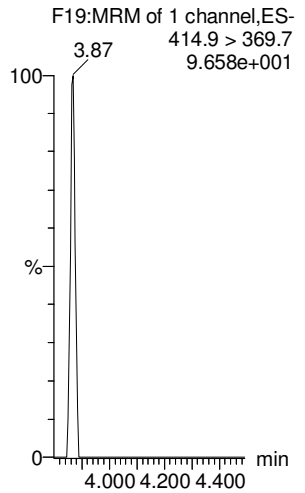




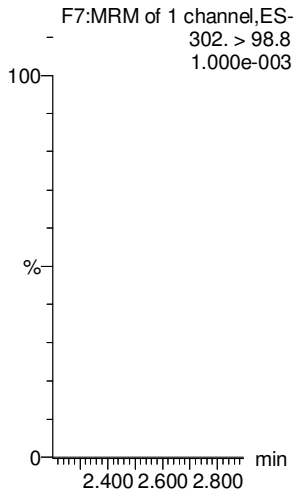
13C2-6:2 FTS



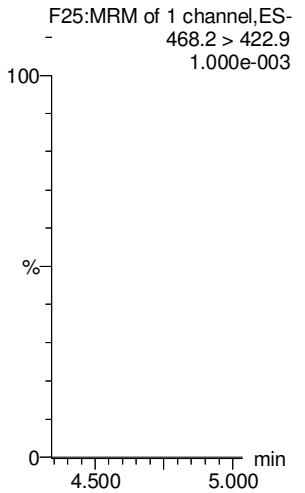
13C2-PFOA



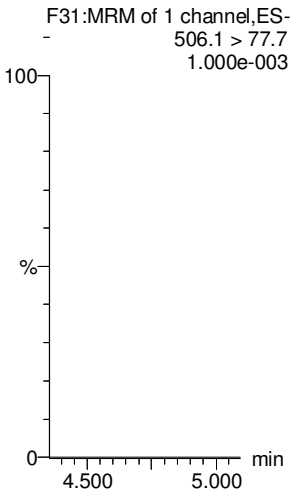
13C3-PFBS



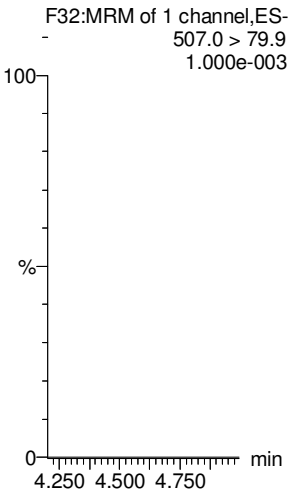
13C5-PFNA



13C8-PFOSA



13C8-PFOS



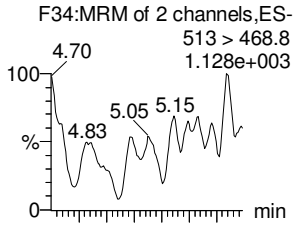
GM 10/26/17

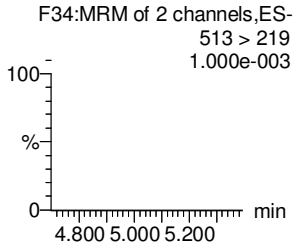
Dataset: Untitled

Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

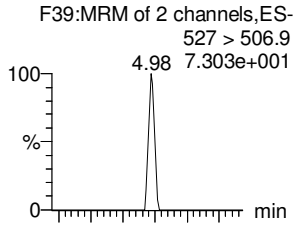
Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

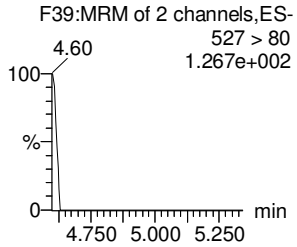
PFDA



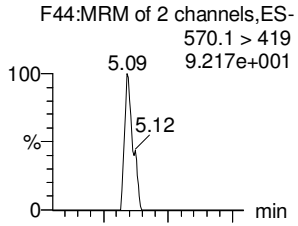


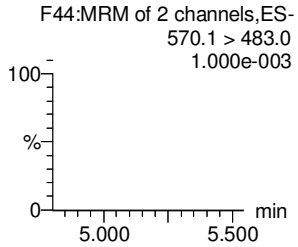
8:2 FTS



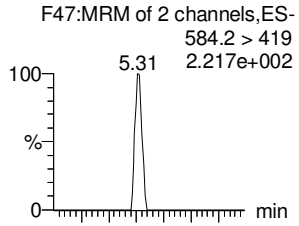


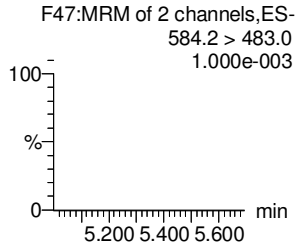
N-MeFOSAA



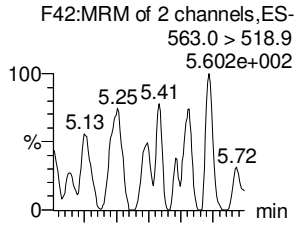


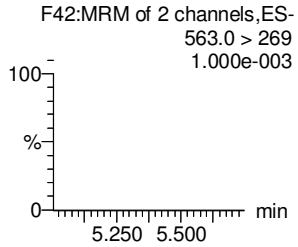
N-EtFOSAA



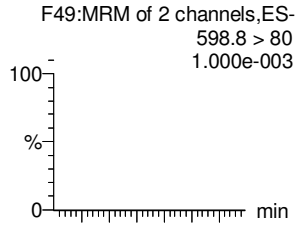


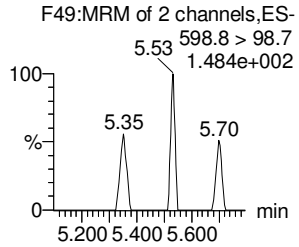
PFUnA



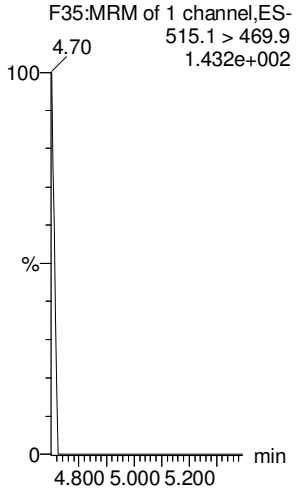


PFDS

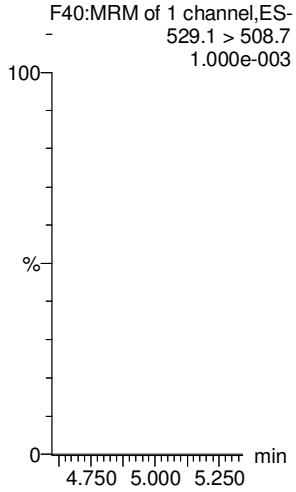




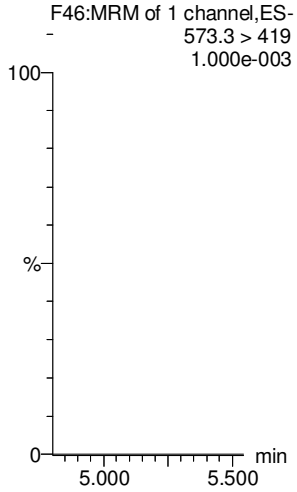
13C2-PFDA



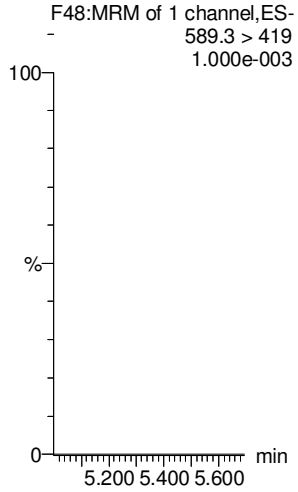
13C2-8:2 FTS



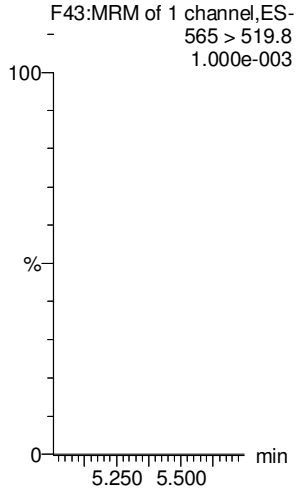
d3-N-MeFOSAA



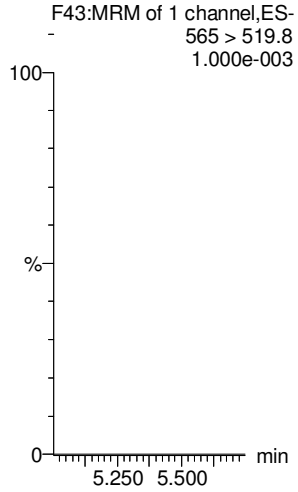
d5-N-EtFOSAA



13C2-PFUdA



13C2-PFUdA



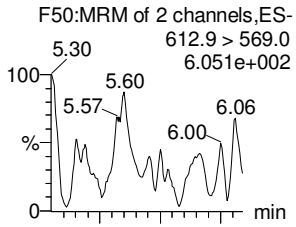
GM 10/26/17

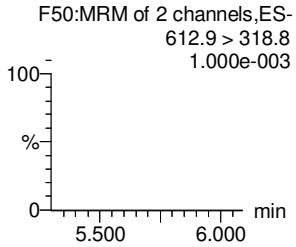
Dataset: Untitled

Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

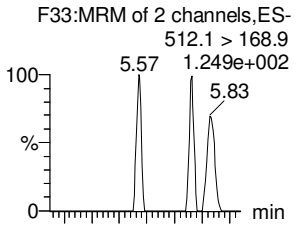
Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

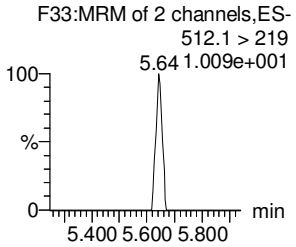
PFDoA



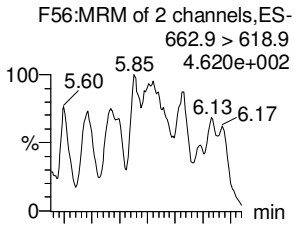


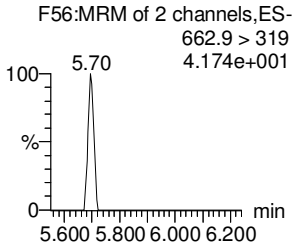
N-MeFOSA



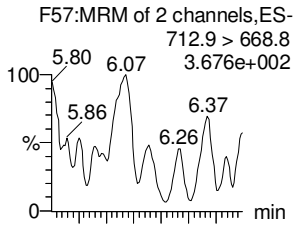


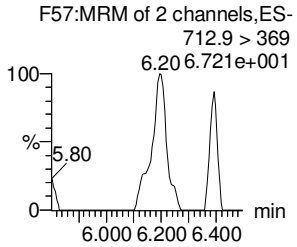
PFTrDA



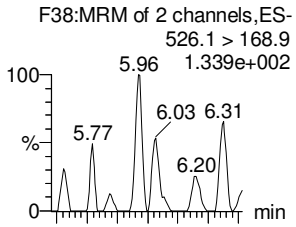


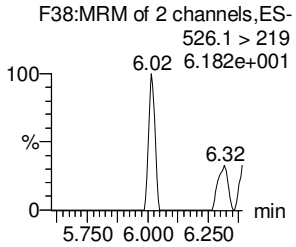
PFTeDA



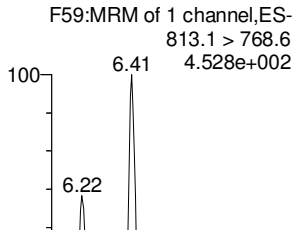


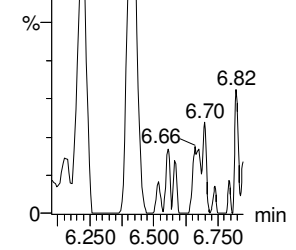
N-EtFOSA



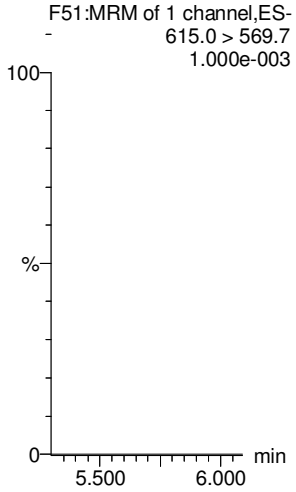


PFHxDA

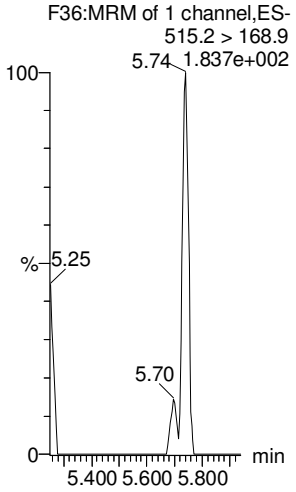




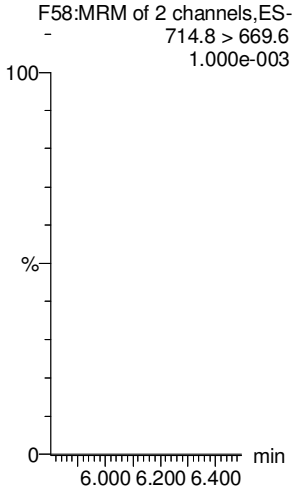
13C2-PFDoA



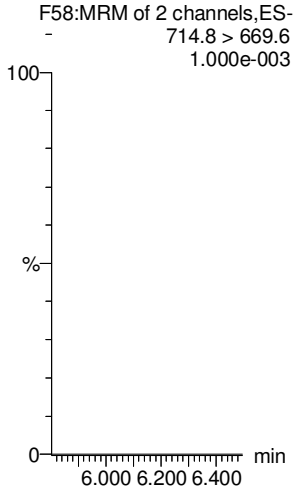
d3-N-MeFOSA



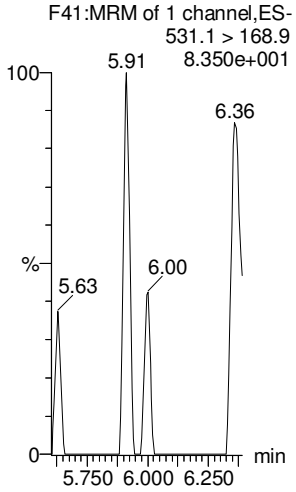
13C2-PFTeDA



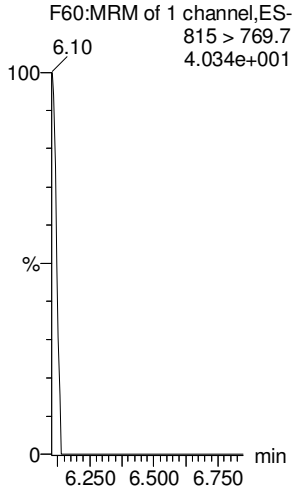
13C2-PFTeDA



d5-N-ETFOSA



13C2-PFHxDA



GM 10/26/17

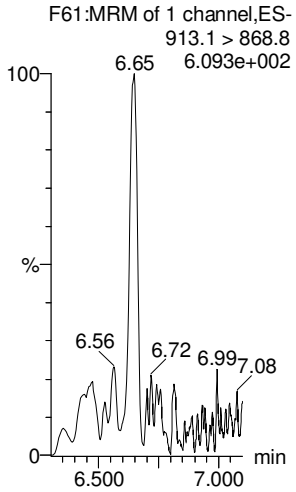
Vista Analytical Laboratory

Dataset: Untitled

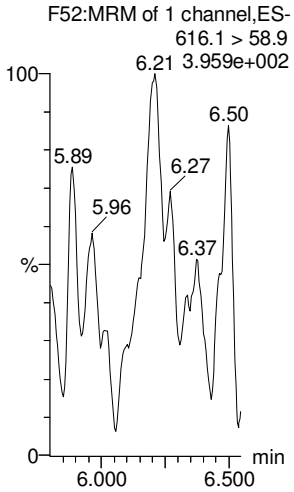
Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

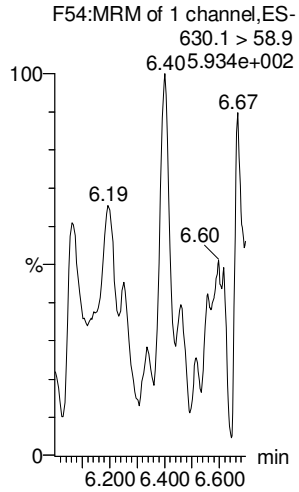
PFODA



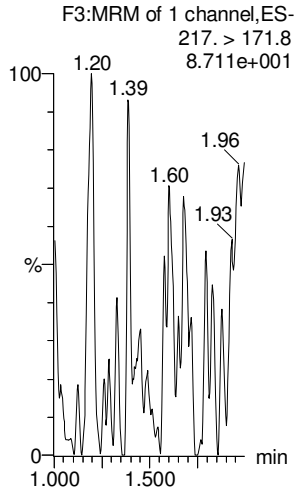
N-MeFOSE



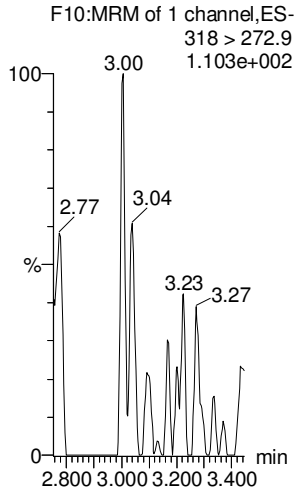
N-EtFOSE



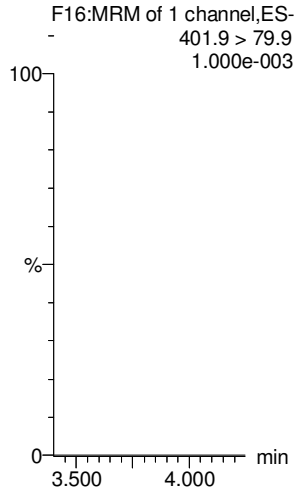
13C4-PFBA



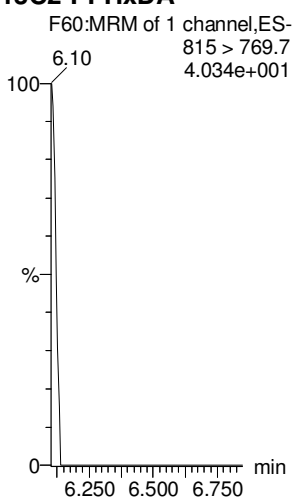
13C5-PFHxA



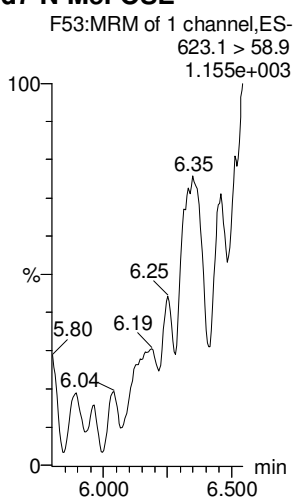
13C3-PFHxS



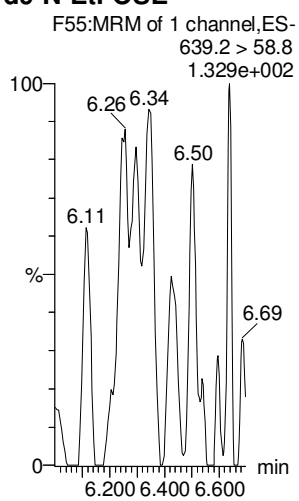
13C2-PFHxDA



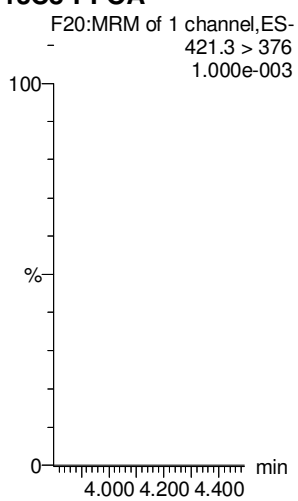
d7-N-MeFOSE



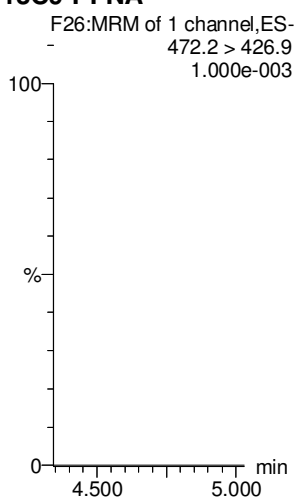
d9-N-EtFOSE



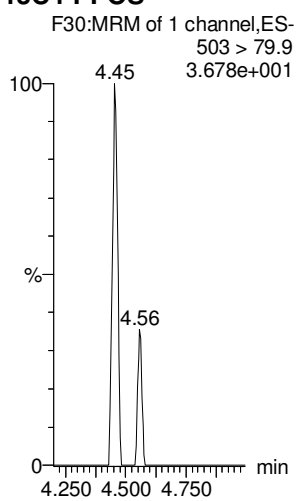
13C8-PFOA



13C9-PFNA



13C4-PFOS



GM 10/26/17

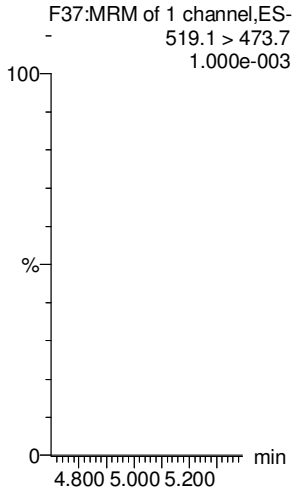
Vista Analytical Laboratory

Dataset: Untitled

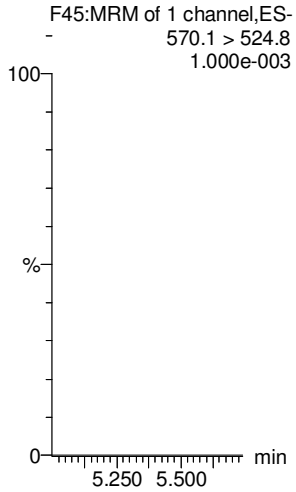
Last Altered: Thursday, October 26, 2017 16:58:39 Pacific Daylight Time
Printed: Thursday, October 26, 2017 16:59:18 Pacific Daylight Time

Name: 171026M1_12, Date: 26-Oct-2017, Time: 11:18:50, ID: IPA, Description: IPA

13C6-PFDA



13C7-PFUnA



GM 10/26/17

"sys_sample_code","lab_anl_method_name","analysis_date","analysis_time","total_or_dissolved","column_number","test_type","cas_rn","chemical_name","result_value","result_error_delta","result_type_code","reportable_result","detect_flag","lab_qualifiers","organic_yn","method_detection_limit","reporting_detection_limit","quantatation_limit","result_unit","detection_limit_unit","tic_retention_time","result_comment","qc_original_conc","qc_spike_added","qc_spike_measured","qc_spike_recovery","qc_dup_original_conc","qc_dup_spike_added","qc_dup_spike_measured","qc_dup_spike_recovery","qc_rpd","qc_spike_lcl","qc_spike_ucl","qc_rpd_cl","qc_spike_status","qc_dup_spike_status","qc_rpd_status"
"EB01_20171002","537","10/15/17","22:07","N","NA","000","375-73-5","PFBS","","","TRG","Yes","N","U","Y","0.000422","0.00476","0.00952","UG_L","UG_L","","","

"EB01_20171002","537","10/15/17","22:07","N","NA","000","13C2-PFDA","13C2-PFDA","101","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","101","101","","","","","","70","130","","","","",""
"EB01_20171002","537","10/15/17","22:07","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","108","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","108","108","","","","","","70","130","","","","",""
"EB02_20171002","537_MOD","10/16/17","17:43","N","NA","000","375-22-4","PFBA","","","TRG","Yes","N","U","Y","0.000835","0.00573","0.00917","UG_L","UG_L","","","","","","

"EB02_20171002","537_MOD","10/16/17","17:43","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID
(PFDOA)","","","TRG","Yes","N","U","Y","0.000907","0.00573","0.00917","UG_L","UG_L","","","

","","","

(PFDOA)","","","TRG","Yes","N","U","Y","0.000865","0.00548","0.00874","UG_L","UG_L","","","

PFTeDA","87.6","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","87.6","87.6","","","","","","50","150"
,"","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","375-22-
4","PFBA","","","TRG","Yes","N","U","Y","0.000794","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","",
"","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","2706-90-
3","PFPeA","","","TRG","Yes","N","U","Y","0.00139","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","",
"","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","375-73-
5","PFBS","","","TRG","Yes","N","U","Y","0.00195","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","
","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID
(PFHXA)","","","TRG","Yes","N","U","Y","0.00237","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","
","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID
(PFHPA)","","","TRG","Yes","N","U","Y","0.000644","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","",
"","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC
ACID
(PFHXS)","0.00213","","TRG","Yes","Y","J","Y","0.00103","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","",
"","","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID
(PFOA)","","","TRG","Yes","N","U","Y","0.000709","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","
","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","1763-23-
1","HEPTADECAFLUOROACTANESULFONIC ACID SOLUTION
","","","TRG","Yes","N","U","Y","0.000879","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","","","
","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","375-95-1","PERFLUORONONANOIC ACID
(PFNA)","","","TRG","Yes","N","U","Y","0.000882","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","
","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","335-76-2","PERFLUORODECANOIC ACID
(PFDA)","","","TRG","Yes","N","U","Y","0.00162","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","
","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","754-91-
6","PFOSA","","","TRG","Yes","N","U","Y","0.00193","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","
","","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","2355-31-
9","MeFOSAA","","","TRG","Yes","N","U","Y","0.00180","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","
","","","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","335-77-
3","PFDS","","","TRG","Yes","N","U","Y","0.00134","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","
","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC
ACID
(PFUNA)","","","TRG","Yes","N","U","Y","0.00114","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","
","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","2991-50-
6","EtFOSAA","","","TRG","Yes","N","U","Y","0.00149","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","",
"","","","","","","","","","",
"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","307-55-1","PERFLUORODODECANOIC
ACID
(PFDOA)","","","TRG","Yes","N","U","Y","0.000863","0.00543","0.00872","UG_L","UG_L","","","","","","","","","","","
","","","","","","","","",

"EB04_20171003","537_MOD","10/16/17","18:05","N","NA","000","72629-94-8","PFTrDA","","","TRG","Yes","N","U","Y","0.000538","0.00543","0.00872","UG_L","UG_L","","","

"EB05_20171004","537_MOD","10/16/17","18:15","N","NA","000","375-22-4","PFBA","","","TRG","Yes","N","U","Y","0.000765","0.00525","0.00839","UG_L","UG_L","","","

"","","","

"","","","

"","","","

,"","","","",""
,,,

"Site 4-GW-04GW03-20171004","537_MOD","10/26/17","15:02","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","","","TRG","Yes","N","U","Y","0.00163","0.0103","0.0164","UG_L","UG_L","","","

","","","","
","","","","
"Site 4-GW-04GW03-20171004","537_MOD","10/26/17","15:02","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","113","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","113","113","","","","","","50","150","","","","","","
","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","375-22-4","PFBA","0.0517","","TRG","Yes","Y","","Y","0.000848","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","2706-90-3","PFPeA","0.128","","TRG","Yes","Y","","Y","0.00149","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","375-73-5","PFBS","0.0662","","TRG","Yes","Y","","Y","0.00208","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","0.300","","TRG","Yes","Y","","Y","0.00254","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","0.0556","","TRG","Yes","Y","","Y","0.000687","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","0.549","","TRG","Yes","Y","","Y","0.00110","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID (PFOA)","0.582","","TRG","Yes","Y","","Y","0.000757","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","1763-23-1","HEPTADECAFLUOROACTANESULFONIC ACID SOLUTION","0.0744","","TRG","Yes","Y","","Y","0.000939","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","0.00162","","TRG","Yes","Y","J","Y","0.000942","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","","","TRG","Yes","N","U","Y","0.00173","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","754-91-6","PFOSA","","","TRG","Yes","N","U","Y","0.00206","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","2355-31-9","MeFOSAA","","","TRG","Yes","N","U","Y","0.00192","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","335-77-3","PFDS","","","TRG","Yes","N","U","Y","0.00143","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","","","TRG","Yes","N","U","Y","0.00122","0.00584","0.00930","UG_L","UG_L","
","","","","","","","","","","

"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","2991-50-6","EtFOSAA","","","TRG","Yes","N","U","Y","0.00159","0.00584","0.00930","UG_L","UG_L","","","

"","","","","
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","13C2-PFDoA","13C2-PFDoA","75.1","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","75.1","75.1","","","","","","50","150","","","","",""
"Site 4-GW-04GW02-20171004","537_MOD","10/16/17","18:48","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","84.5","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","84.5","84.5","","","","","","50","150","","","","",""
"EB06_20171005","537_MOD","10/16/17","18:59","N","NA","000","375-22-4","PFBA","","","TRG","Yes","N","U","Y","0.000721","0.00496","0.00791","UG_L","UG_L","","","","","","

"","","","

PFDoA","75.2","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","75.2","75.2","","","","","","50","150","","","","",""
"EB06_20171005","537_MOD","10/16/17","18:59","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","83.1","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","83.1","83.1","","","","","","50","150","","","","",""
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","375-22-4","PFBA","0.0253","","TRG","Yes","Y","","Y","0.000760","0.00521","0.00834","UG_L","UG_L","","","","","","

","","","","","","","","","
","","","","","","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","2991-50-
6","EtFOSAA","","","TRG","Yes","N","U","Y","0.00143","0.00521","0.00834","UG_L","UG_L","","","","","","","","","
","","","","","","","","","","
","","","","","","","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","307-55-
1","PERFLUORODODECANOIC ACID
(PFDOA)","","","TRG","Yes","N","U","Y","0.000826","0.00521","0.00834","UG_L","UG_L","","","","","","","","","","
","","","","","","","","","","
","","","","","","","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","72629-94-
8","PFTrDA","","","TRG","Yes","N","U","Y","0.000515","0.00521","0.00834","UG_L","UG_L","","","","","","","","","
","","","","","","","","","","
","","","","","","","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","376-06-
7","PFTeDA","","","TRG","Yes","N","U","Y","0.000787","0.00521","0.00834","UG_L","UG_L","","","","","","","","","
","","","","","","","","","","
","","","","","","","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C3-PFBA","13C3-
PFBA","92.5","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","92.5","92.5","","","","","","50","150","","
","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C3-PFPeA","13C3-
PFPeA","106","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","106","106","","","","","","50","150","","
","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C3-PFBS","13C3-
PFBS","122","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","122","122","","","","","","50","150","","
","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C2-PFHxA","13C2-
PFHxA","88.7","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","88.7","88.7","","","","","","50","150","
","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C4-PFHpA","13C4-
PFHpA","76.6","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","76.6","76.6","","","","","","50","150","
","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","18O2-PFHxS","18O2-
PFHxS","85.8","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","85.8","85.8","","","","","","50","150","
","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C2-PFOA","13C2-
PFOA","88.8","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","88.8","88.8","","","","","","50","150","","
","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C8-PFOS","13C8-
PFOS","86.9","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","86.9","86.9","","","","","","50","150","","
","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C5-PFNA","13C5-
PFNA","87.9","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","87.9","87.9","","","","","","50","150","","
","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C2-PFDA","13C2-
PFDA","72.9","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","72.9","72.9","","","","","","50","150","","
","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C8-PFOSA","13C8-
PFOSA","64.9","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","64.9","64.9","","","","","","50","150","
","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","d3-MeFOSAA","d3-
MeFOSAA","98.5","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","98.5","98.5","","","","","","50","15
0","","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C2-PFUnA","13C2-
PFUnA","85.3","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","85.3","85.3","","","","","","50","150","
","","","","
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","d5-EtFOSAA","d5-

EtFOSAA","103","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","103","103","","","","","","50","150","","","","",""
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C2-PFDoA","13C2-PFDoA","81.7","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","81.7","81.7","","","","","","50","150","","","","",""
"Site 3-GW-MW1-20171005","537_MOD","10/16/17","19:09","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","101","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","101","101","","","","","","50","150","","","","",""
"Site 3-DW-421648-20171005","537","10/15/17","22:20","N","NA","000","375-73-5","PFBS","","","TRG","Yes","N","U","Y","0.000438","0.00494","0.00988","UG_L","UG_L","","","","","","

"","","","

"DUP01_20171005","537","10/15/17","22:32","N","NA","000","376-06-7","PFTeDA","","","TRG","Yes","N","U","Y","0.000754","0.00485","0.00970","UG_L","UG_L","","","

"","","","

"Site 3-GW-03GW03-20171005","537_MOD","10/16/17","19:20","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","102","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","102","102","","","","","","50","150","","","","",""
"Site 3-GW-03GW03-20171005","537_MOD","10/16/17","19:20","N","NA","000","13C2-PFUnA","13C2-PFUnA","75.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","75.9","75.9","","","","","","50","150","","","","",""
"Site 3-GW-03GW03-20171005","537_MOD","10/16/17","19:20","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","118","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","118","118","","","","","","50","150","","","","",""
"Site 3-GW-03GW03-20171005","537_MOD","10/16/17","19:20","N","NA","000","13C2-PFDoA","13C2-PFDoA","85.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","85.4","85.4","","","","","","50","150","","","","",""
"Site 3-GW-03GW03-20171005","537_MOD","10/16/17","19:20","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","97.6","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","97.6","97.6","","","","","","50","150","","","","","",""
"B7J0071-BLK1","537_MOD","10/16/17","16:28","N","NA","000","375-22-4","PFBA","","","TRG","Yes","N","U","Y","0.000729","0.00500","0.00800","UG_L","UG_L","","","","","","

3","PFDS","","","TRG","Yes","N","U","Y","0.00123","0.00500","0.00800","UG_L","UG_L","","","

"B7J0071-BLK1","537_MOD","10/16/17","16:28","N","NA","000","13C2-PFUnA","13C2-PFUnA","67.7","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","67.7","67.7","","","","","","50","150","","","","",""
"B7J0071-BLK1","537_MOD","10/16/17","16:28","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","71.5","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","71.5","71.5","","","","","","50","150","","","","",""
"B7J0071-BLK1","537_MOD","10/16/17","16:28","N","NA","000","13C2-PFDoA","13C2-PFDoA","65.7","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","65.7","65.7","","","","","","50","150","","","","",""
"B7J0071-BLK1","537_MOD","10/16/17","16:28","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","88.1","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","88.1","88.1","","","","","","50","150","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","375-22-4","PFBA","0.0812","","TRG","Yes","Y","","Y","0.000729","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0812","101","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","2706-90-3","PFPeA","0.0855","","TRG","Yes","Y","","Y","0.00128","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0855","107","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","375-73-5","PFBS","0.0912","","TRG","Yes","Y","","Y","0.00179","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0912","114","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","0.0930","","TRG","Yes","Y","","Y","0.00218","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0930","116","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","0.0834","","TRG","Yes","Y","","Y","0.000591","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0834","104","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","0.0738","","TRG","Yes","Y","","Y","0.000947","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0738","92.2","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID (PFOA)","0.0843","","TRG","Yes","Y","","Y","0.000651","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0843","105","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","1763-23-1","HEPTADECAFLUOROACTANESULFONIC ACID SOLUTION","0.0883","","TRG","Yes","Y","","Y","0.000807","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0883","110","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","0.0889","","TRG","Yes","Y","","Y","0.000810","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0889","111","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","0.0812","","TRG","Yes","Y","","Y","0.00149","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0812","102","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","754-91-6","PFOSA","0.0770","","TRG","Yes","Y","","Y","0.00177","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0770","96.2","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","2355-31-9","MeFOSAA","0.0789","","TRG","Yes","Y","","Y","0.00165","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0789","98.6","","","","","","","70","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","335-77-3","PFDS","0.0969","","TRG","Yes","Y","","Y","0.00123","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0969","121","","","","","","","60","130","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID

(PFUNA)","0.0846","","TRG","Yes","Y","","Y","0.00105","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0846","106","","","","","","","70","130","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","2991-50-6","EtFOSAA","0.0805","","TRG","Yes","Y","","Y","0.00137","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0805","101","","","","","","","70","130","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","0.0845","","TRG","Yes","Y","","Y","0.000792","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0845","106","","","","","","","70","130","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","72629-94-8","PFTrDA","0.0861","","TRG","Yes","Y","","Y","0.000494","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0861","108","","","","","","","60","130","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","376-06-7","PFTeDA","0.0796","","TRG","Yes","Y","","Y","0.000755","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0796","99.5","","","","","","","70","130","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C3-PFBA","13C3-PFBA","92.1","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","92.1","92.1","","","","","","50","150","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C3-PFPeA","13C3-PFPeA","110","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","110","110","","","","","","50","150","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C3-PFBS","13C3-PFBS","108","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","108","108","","","","","","50","150","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C2-PFHxA","13C2-PFHxA","85.1","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","85.1","85.1","","","","","","50","150","","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C4-PFHpA","13C4-PFHpA","81.2","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","81.2","81.2","","","","","","50","150","","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","18O2-PFHxS","18O2-PFHxS","93.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","93.4","93.4","","","","","","50","150","","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C2-PFOA","13C2-PFOA","85.0","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","85.0","85.0","","","","","","50","150","","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C8-PFOS","13C8-PFOS","90.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","90.9","90.9","","","","","","50","150","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C5-PFNA","13C5-PFNA","81.6","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","81.6","81.6","","","","","","50","150","","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C2-PFDA","13C2-PFDA","78.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","78.9","78.9","","","","","","50","150","","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C8-PFOSA","13C8-PFOSA","51.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","51.9","51.9","","","","","","50","150","","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","78.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","78.4","78.4","","","","","","50","150","","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C2-PFUnA","13C2-PFUnA","69.1","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","69.1","69.1","","","","","","50","150","","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","d5-EtFOSAA","d5-

EtFOSAA","70.1","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","70.1","70.1","","","","","","50","150
","","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C2-PFDoA","13C2-
PFDoA","75.5","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","75.5","75.5","","","","","","50","150","
","","","",""
"B7J0071-BS1","537_MOD","10/16/17","15:56","N","NA","000","13C2-PFTeDA","13C2-
PFTeDA","86.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","86.9","86.9","","","","","","50","150"
,"","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","375-22-
4","PFBA","0.0826","","TRG","Yes","Y","","Y","0.000729","0.00500","0.00800","UG_L","UG_L","","","","0.0800","
0.0826","103","","","","","1.74","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","2706-90-
3","PFPeA","0.0896","","TRG","Yes","Y","","Y","0.00128","0.00500","0.00800","UG_L","UG_L","","","","0.0800","
0.0896","112","","","","","4.66","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","375-73-
5","PFBS","0.0858","","TRG","Yes","Y","","Y","0.00179","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.
0858","107","","","","","6.18","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID
(PFHXA)","0.0993","","TRG","Yes","Y","","Y","0.00218","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.
0993","124","","","","","6.62","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID
(PFHPA)","0.0857","","TRG","Yes","Y","","Y","0.000591","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0
.0857","107","","","","","","2.70","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC
ACID
(PFHXS)","0.0759","","TRG","Yes","Y","","Y","0.000947","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0
.0759","94.8","","","","","","2.78","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID
(PFOA)","0.0885","","TRG","Yes","Y","","Y","0.000651","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.
0885","111","","","","","4.86","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","1763-23-
1","HEPTADECAFLUOROACTANESULFONIC ACID SOLUTION
","0.0900","","TRG","Yes","Y","","Y","0.000807","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0900","1
13","","","","","","1.97","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","375-95-1","PERFLUORONONANOIC ACID
(PFNA)","0.0827","","TRG","Yes","Y","","Y","0.000810","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.
0827","103","","","","","7.26","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","335-76-2","PERFLUORODECANOIC ACID
(PFDA)","0.0840","","TRG","Yes","Y","","Y","0.00149","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0
840","105","","","","","3.41","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","754-91-
6","PFOSA","0.0810","","TRG","Yes","Y","","Y","0.00177","0.00500","0.00800","UG_L","UG_L","","","","0.0800","
0.0810","101","","","","","5.14","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","2355-31-
9","MeFOSAA","0.0785","","TRG","Yes","Y","","Y","0.00165","0.00500","0.00800","UG_L","UG_L","","","","0.080
0","0.0785","98.1","","","","","0.454","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","335-77-
3","PFDS","0.104","","TRG","Yes","Y","","Y","0.00123","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.1
04","130","","","","","7.22","60","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC
ACID
(PFUNA)","0.0801","","TRG","Yes","Y","","Y","0.00105","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.
0801","100","","","","","5.53","70","130","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","2991-50-

6","EtFOSAA","0.0838","","TRG","Yes","Y","","Y","0.00137","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0838","105","","","","","4.02","70","130","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","0.0887","","TRG","Yes","Y","","Y","0.000792","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0887","111","","","","","4.74","70","130","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","72629-94-8","PFTrDA","0.0983","","TRG","Yes","Y","","Y","0.000494","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0983","123","","","","","13.3","60","130","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","376-06-7","PFTeDA","0.0864","","TRG","Yes","Y","","Y","0.000755","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0864","108","","","","","8.22","70","130","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C3-PFBA","13C3-PFBA","93.2","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","93.2","93.2","","","","","","50","150","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C3-PFPeA","13C3-PFPeA","105","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","105","105","","","","","","50","150","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C3-PFBS","13C3-PFBS","115","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","115","115","","","","","","50","150","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C2-PFHxA","13C2-PFHxA","85.8","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","85.8","85.8","","","","","","50","150","","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C4-PFHpA","13C4-PFHpA","75.0","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","75.0","75.0","","","","","","50","150","","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","18O2-PFHxS","18O2-PFHxS","95.3","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","95.3","95.3","","","","","","50","150","","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C2-PFOA","13C2-PFOA","83.3","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","83.3","83.3","","","","","","50","150","","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C8-PFOS","13C8-PFOS","95.6","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","95.6","95.6","","","","","","50","150","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C5-PFNA","13C5-PFNA","76.7","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","76.7","76.7","","","","","","50","150","","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C2-PFDA","13C2-PFDA","75.1","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","75.1","75.1","","","","","","50","150","","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C8-PFOSA","13C8-PFOSA","49.4","","IS","Yes","Y","H","Y","","","","PCT_REC","","","","","100","49.4","49.4","","","","","","50","150","","","+","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","84.3","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","84.3","84.3","","","","","","50","150","","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C2-PFUnA","13C2-PFUnA","70.3","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","70.3","70.3","","","","","","50","150","","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","71.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","71.4","71.4","","","","","","50","150","","","","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C2-PFDoA","13C2-

PFDoA","66.8","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","66.8","66.8","","","","","","50","150","
","","","",""
"B7J0071-BSD1","537_MOD","10/16/17","16:07","N","NA","000","13C2-PFTeDA","13C2-
PFTeDA","83.3","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","83.3","83.3","","","","","","50","150"
,"","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","375-22-
4","PFBA","0.132","","TRG","Yes","Y","","Y","0.000778","0.00534","0.00854","UG_L","UG_L","","","0.0517","0.08
54","0.132","94.4","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","2706-90-
3","PFPeA","0.216","","TRG","Yes","Y","","Y","0.00137","0.00534","0.00854","UG_L","UG_L","","","0.128","0.085
4","0.216","103","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","375-73-
5","PFBS","0.167","","TRG","Yes","Y","","Y","0.00191","0.00534","0.00854","UG_L","UG_L","","","0.0662","0.085
4","0.167","119","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID
(PFHXA)","0.386","","TRG","Yes","Y","","Y","0.00233","0.00534","0.00854","UG_L","UG_L","","","0.300","0.0854
","0.386","100.0","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID
(PFHPA)","0.158","","TRG","Yes","Y","","Y","0.000631","0.00534","0.00854","UG_L","UG_L","","","0.0556","0.08
54","0.158","119","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC
ACID
(PFHXS)","0.593","","TRG","Yes","Y","H","Y","0.00101","0.00534","0.00854","UG_L","UG_L","","","0.549","0.085
4","0.593","51.3","","","","","","","70","130","","+","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID
(PFOA)","0.645","","TRG","Yes","Y","","Y","0.000695","0.00534","0.00854","UG_L","UG_L","","","0.582","0.0854"
,"0.645","74.5","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","1763-23-
1","HEPTADECAFLUOROACTANESULFONIC ACID SOLUTION
","0.155","","TRG","Yes","Y","","Y","0.000861","0.00534","0.00854","UG_L","UG_L","","","0.0744","0.0854","0.15
5","93.9","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","375-95-1","PERFLUORONONANOIC ACID
(PFNA)","0.0869","","TRG","Yes","Y","","Y","0.000864","0.00534","0.00854","UG_L","UG_L","","","0.00162","0.0
854","0.0869","99.9","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","335-76-2","PERFLUORODECANOIC ACID
(PFDA)","0.0857","","TRG","Yes","Y","","Y","0.00159","0.00534","0.00854","UG_L","UG_L","","","","0.0854","0.0
857","100","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","754-91-
6","PFOSA","0.0916","","TRG","Yes","Y","","Y","0.00189","0.00534","0.00854","UG_L","UG_L","","","","0.0854","
0.0916","107","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","2355-31-
9","MeFOSAA","0.0796","","TRG","Yes","Y","","Y","0.00176","0.00534","0.00854","UG_L","UG_L","","","","0.085
4","0.0796","93.2","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","335-77-
3","PFDS","0.0980","","TRG","Yes","Y","","Y","0.00131","0.00534","0.00854","UG_L","UG_L","","","","0.0854","0.
0980","115","","","","","","","60","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID
(PFUNA)","0.0859","","TRG","Yes","Y","","Y","0.00112","0.00534","0.00854","UG_L","UG_L","","","","0.0854","0.
0859","101","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","2991-50-
6","EtFOSAA","0.0886","","TRG","Yes","Y","","Y","0.00146","0.00534","0.00854","UG_L","UG_L","","","","0.0854
","0.0886","104","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID
(PFDOA)","0.0867","","TRG","Yes","Y","","Y","0.000845","0.00534","0.00854","UG_L","UG_L","","","","0.0854","

0.0867","102","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","72629-94-
8","PFTrDA","0.0965","","TRG","Yes","Y","","Y","0.000527","0.00534","0.00854","UG_L","UG_L","","","","0.0854
","0.0965","113","","","","","","","60","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","376-06-
7","PFTeDA","0.0880","","TRG","Yes","Y","","Y","0.000806","0.00534","0.00854","UG_L","UG_L","","","","0.0854
","0.0880","103","","","","","","","70","130","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C3-PFBA","13C3-
PFBA","91.7","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","91.7","91.7","","","","","","50","150","",
"","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C3-PFPeA","13C3-
PFPeA","103","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","103","103","","","","","","50","150","","
","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C3-PFBS","13C3-
PFBS","115","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","115","115","","","","","","50","150","","
","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C2-PFHxA","13C2-
PFHxA","89.5","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","89.5","89.5","","","","","","50","150","
","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C4-PFHpA","13C4-
PFHpA","75.1","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","75.1","75.1","","","","","","50","150","
","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","18O2-PFHxS","18O2-
PFHxS","96.7","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","96.7","96.7","","","","","","50","150","
","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C2-PFOA","13C2-
PFOA","85.8","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","85.8","85.8","","","","","","50","150","","
","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C8-PFOS","13C8-
PFOS","92.8","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","92.8","92.8","","","","","","50","150","","
","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C5-PFNA","13C5-
PFNA","84.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","84.4","84.4","","","","","","50","150","","
","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C2-PFDA","13C2-
PFDA","77.6","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","77.6","77.6","","","","","","50","150","","
","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C8-PFOSA","13C8-
PFOSA","54.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","54.4","54.4","","","","","","50","150","
","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","d3-MeFOSAA","d3-
MeFOSAA","92.1","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","92.1","92.1","","","","","","50","15
0","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C2-PFUnA","13C2-
PFUnA","76.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","76.9","76.9","","","","","","50","150","
","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","d5-EtFOSAA","d5-
EtFOSAA","95.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","95.9","95.9","","","","","","50","150
","","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C2-PFDoA","13C2-
PFDoA","79.2","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","79.2","79.2","","","","","","50","150","
","","","",""
"B7J0071-MS1","537_MOD","10/16/17","16:39","N","NA","000","13C2-PFTeDA","13C2-
PFTeDA","88.6","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","88.6","88.6","","","","","","50","150"

,"","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","375-22-
4","PFBA","0.141","","TRG","Yes","Y","","Y","0.000826","0.00568","0.00906","UG_L","UG_L","","","0.0517","0.09
06","0.141","98.8","0.132","0.0906","0.141","98.8","4.55","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","2706-90-
3","PFPeA","0.228","","TRG","Yes","Y","","Y","0.00145","0.00568","0.00906","UG_L","UG_L","","","0.128","0.090
6","0.228","110","0.216","0.0906","0.228","110","6.57","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","375-73-
5","PFBS","0.163","","TRG","Yes","Y","","Y","0.00203","0.00568","0.00906","UG_L","UG_L","","","0.0662","0.090
6","0.163","107","0.167","0.0906","0.163","107","10.6","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID
(PFHXA)","0.390","","TRG","Yes","Y","","Y","0.00247","0.00568","0.00906","UG_L","UG_L","","","0.300","0.0906
","0.390","99.0","0.386","0.0906","0.390","99.0","1.01","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID
(PFHPA)","0.164","","TRG","Yes","Y","","Y","0.000669","0.00568","0.00906","UG_L","UG_L","","","0.0556","0.09
06","0.164","120","0.158","0.0906","0.164","120","0.837","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC
ACID
(PFHXS)","0.678","","TRG","Yes","Y","H","Y","0.00107","0.00568","0.00906","UG_L","UG_L","","","0.549","0.090
6","0.678","142","0.593","0.0906","0.678","142","93.8","70","130","25","","*","*"
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID
(PFOA)","0.653","","TRG","Yes","Y","","Y","0.000737","0.00568","0.00906","UG_L","UG_L","","","0.582","0.0906"
,"0.653","78.3","0.645","0.0906","0.653","78.3","4.97","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","1763-23-
1","HEPTADECAFLUOROACTANESULFONIC ACID SOLUTION
","0.158","","TRG","Yes","Y","","Y","0.000914","0.00568","0.00906","UG_L","UG_L","","","0.0744","0.0906","0.15
8","92.0","0.155","0.0906","0.158","92.0","2.04","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","375-95-1","PERFLUORONONANOIC ACID
(PFNA)","0.0994","","TRG","Yes","Y","","Y","0.000917","0.00568","0.00906","UG_L","UG_L","","","0.00162","0.0
906","0.0994","108","0.0869","0.0906","0.0994","108","7.79","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","335-76-2","PERFLUORODECANOIC ACID
(PFDA)","0.0917","","TRG","Yes","Y","","Y","0.00169","0.00568","0.00906","UG_L","UG_L","","","","0.0906","0.0
917","101","0.0857","0.0906","0.0917","101","0.995","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","754-91-
6","PFOSA","0.0919","","TRG","Yes","Y","","Y","0.00200","0.00568","0.00906","UG_L","UG_L","","","","","0.0906","
0.0919","101","0.0916","0.0906","0.0919","101","5.77","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","2355-31-
9","MeFOSAA","0.0918","","TRG","Yes","Y","","Y","0.00187","0.00568","0.00906","UG_L","UG_L","","","","","0.090
6","0.0918","101","0.0796","0.0906","0.0918","101","8.03","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","335-77-
3","PFDS","0.106","","TRG","Yes","Y","","Y","0.00139","0.00568","0.00906","UG_L","UG_L","","","","0.0906","0.1
06","117","0.0980","0.0906","0.106","117","1.72","60","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC
ACID
(PFUNA)","0.0978","","TRG","Yes","Y","","Y","0.00119","0.00568","0.00906","UG_L","UG_L","","","","0.0906","0.
0978","108","0.0859","0.0906","0.0978","108","6.70","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","2991-50-
6","EtFOSAA","0.0973","","TRG","Yes","Y","","Y","0.00155","0.00568","0.00906","UG_L","UG_L","","","","0.0906
","0.0973","107","0.0886","0.0906","0.0973","107","2.84","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID
(PFDOA)","0.101","","TRG","Yes","Y","","Y","0.000897","0.00568","0.00906","UG_L","UG_L","","","","0.0906","0.
101","111","0.0867","0.0906","0.101","111","8.45","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","72629-94-
8","PFTrDA","0.101","","TRG","Yes","Y","","Y","0.000560","0.00568","0.00906","UG_L","UG_L","","","","0.0906",

"0.101","112","0.0965","0.0906","0.101","112","0.889","60","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","376-06-7","PFTeDA","0.0926","","TRG","Yes","Y","","Y","0.000855","0.00568","0.00906","UG_L","UG_L","","","","0.0906","0.0926","102","0.0880","0.0906","0.0926","102","0.976","70","130","25","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C3-PFBA","13C3-PFBA","91.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","91.4","91.4","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C3-PFPeA","13C3-PFPeA","104","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","104","104","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C3-PFBS","13C3-PFBS","123","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","123","123","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C2-PFHxA","13C2-PFHxA","91.8","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","91.8","91.8","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C4-PFHpA","13C4-PFHpA","77.5","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","77.5","77.5","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","18O2-PFHxS","18O2-PFHxS","78.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","78.4","78.4","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C2-PFOA","13C2-PFOA","85.8","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","85.8","85.8","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C8-PFOS","13C8-PFOS","97.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","97.9","97.9","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C5-PFNA","13C5-PFNA","78.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","78.4","78.4","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C2-PFDA","13C2-PFDA","75.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","75.4","75.4","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C8-PFOSA","13C8-PFOSA","54.8","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","54.8","54.8","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","84.2","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","84.2","84.2","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C2-PFUnA","13C2-PFUnA","69.8","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","69.8","69.8","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","103","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","103","103","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C2-PFDoA","13C2-PFDoA","76.5","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","76.5","76.5","","","","","","50","150","","","","",""
"B7J0071-MSD1","537_MOD","10/16/17","16:50","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","87.2","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","87.2","87.2","","","","","","50","150","","","","",""
"B7J0077-BLK1","537","10/15/17","21:55","N","NA","000","375-73-5","PFBS","","","TRG","Yes","N","U","Y","0.000443","0.00500","0.0100","UG_L","UG_L","","","","","","","","","","","","","","","

","","","","","","","","","
","","","","","","","","","
"B7J0077-BLK1","537","10/15/17","21:55","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","0.00119","","TRG","Yes","Y","J","Y","0.000663","0.00500","0.0100","UG_L","UG_L","","","","","","","","","

(PFHXA)","0.0390","","TRG","Yes","Y","B","Y","0.000663","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0390","97.6","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","0.0375","","TRG","Yes","Y","","Y","0.000533","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0375","93.6","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","0.0335","","TRG","Yes","Y","","Y","0.000415","0.00500","0.0100","UG_L","UG_L","","","","0.0364","0.0335","92.1","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID (PFOA)","0.0381","","TRG","Yes","Y","","Y","0.00108","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0381","95.4","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","0.0415","","TRG","Yes","Y","","Y","0.00144","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0415","104","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","1763-23-1","HEPTADECAFLUOROACTANESULFONIC ACID SOLUTION","0.0352","","TRG","Yes","Y","","Y","0.00104","0.00500","0.0100","UG_L","UG_L","","","","0.0370","0.0352","95.0","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","0.0356","","TRG","Yes","Y","","Y","0.00128","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0356","89.0","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","2355-31-9","MeFOSAA","0.0420","","TRG","Yes","Y","","Y","0.00304","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0420","105","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","2991-50-6","EtFOSAA","0.0451","","TRG","Yes","Y","","Y","0.00193","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0451","113","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","0.0337","","TRG","Yes","Y","","Y","0.000255","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0337","84.3","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","0.0331","","TRG","Yes","Y","","Y","0.000952","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0331","82.7","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","72629-94-8","PFTrDA","0.0336","","TRG","Yes","Y","","Y","0.000943","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0336","83.9","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","376-06-7","PFTeDA","0.0375","","TRG","Yes","Y","","Y","0.000777","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0375","93.7","","","","","","","70","130","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","13C2-PFHxA","13C2-PFHxA","94.8","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","94.8","94.8","","","","","","70","130","","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","13C2-PFDA","13C2-PFDA","101","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","101","101","","","","","","70","130","","","","",""
"B7J0077-BS1","537","10/15/17","21:18","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","83.4","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","83.4","83.4","","","","","","70","130","","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","375-73-5","PFBS","0.0328","","TRG","Yes","Y","","Y","0.000443","0.00500","0.0100","UG_L","UG_L","","","","0.0354","0.0328","92.7","","","","","","0.819","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","0.0366","","TRG","Yes","Y","B","Y","0.000663","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0366","91.5","","","","","6.41","70","130","","","",""

"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID (PFHPA)","0.0372","","TRG","Yes","Y","","Y","0.000533","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0372","92.9","","","","","0.753","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC ACID (PFHXS)","0.0332","","TRG","Yes","Y","","Y","0.000415","0.00500","0.0100","UG_L","UG_L","","","","0.0364","0.0332","91.3","","","","","","0.839","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID (PFOA)","0.0381","","TRG","Yes","Y","","Y","0.00108","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0381","95.4","","","","","","0.000336","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","375-95-1","PERFLUORONONANOIC ACID (PFNA)","0.0402","","TRG","Yes","Y","","Y","0.00144","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0402","100","","","","","","3.20","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","1763-23-1","HEPTADECAFLUOROACTANESULFONIC ACID SOLUTION","0.0374","","TRG","Yes","Y","","Y","0.00104","0.00500","0.0100","UG_L","UG_L","","","","0.0370","0.0374","101","","","","","","6.26","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","335-76-2","PERFLUORODECANOIC ACID (PFDA)","0.0382","","TRG","Yes","Y","","Y","0.00128","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0382","95.5","","","","","","7.00","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","2355-31-9","MeFOSAA","0.0310","","TRG","Yes","Y","","Y","0.00304","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0310","77.4","","","","","","30.2","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","2991-50-6","EtFOSAA","0.0348","","TRG","Yes","Y","","Y","0.00193","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0348","87.0","","","","","","25.8","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID (PFUNA)","0.0364","","TRG","Yes","Y","","Y","0.000255","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0364","90.9","","","","","","7.54","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID (PFDOA)","0.0329","","TRG","Yes","Y","","Y","0.000952","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0329","82.2","","","","","","0.638","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","72629-94-8","PFTrDA","0.0332","","TRG","Yes","Y","","Y","0.000943","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0332","83.0","","","","","","1.03","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","376-06-7","PFTeDA","0.0391","","TRG","Yes","Y","","Y","0.000777","0.00500","0.0100","UG_L","UG_L","","","","0.0400","0.0391","97.8","","","","","","4.21","70","130","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","13C2-PFHxA","13C2-PFHxA","91.2","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","91.2","91.2","","","","","","70","130","","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","13C2-PFDA","13C2-PFDA","92.3","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","92.3","92.3","","","","","","70","130","","","","",""
"B7J0077-BSD1","537","10/15/17","21:30","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","77.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","77.9","77.9","","","","","","70","130","","","","",""
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","375-22-4","PFBA","","","TRG","Yes","N","U","Y","0.000729","0.00500","0.00800","UG_L","UG_L",""
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","2706-90-3","PFPeA","","","TRG","Yes","N","U","Y","0.00128","0.00500","0.00800","UG_L","UG_L",""
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","375-73-5","PFBS","","","TRG","Yes","N","U","Y","0.00179","0.00500","0.00800","UG_L","UG_L","

","","","","","","","","","
","","","","","","","","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","","","TRG","Yes","N","U","Y","0.00218","0.00500","0.00800","UG_L","UG_L","","","","","","","","","

","","","","
","","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C3-PFBS","13C3-PFBS","95.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","95.4","95.4","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C2-PFHxA","13C2-PFHxA","87.5","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","87.5","87.5","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C4-PFHpA","13C4-PFHpA","86.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","86.9","86.9","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","18O2-PFHxS","18O2-PFHxS","89.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","89.9","89.9","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C2-PFOA","13C2-PFOA","82.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","82.4","82.4","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C8-PFOS","13C8-PFOS","102","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","102","102","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C5-PFNA","13C5-PFNA","83.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","83.4","83.4","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C2-PFDA","13C2-PFDA","72.7","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","72.7","72.7","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C8-PFOSA","13C8-PFOSA","53.6","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","53.6","53.6","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","64.4","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","64.4","64.4","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C2-PFUnA","13C2-PFUnA","70.7","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","70.7","70.7","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","73.0","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","73.0","73.0","","","","","","50","150","","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C2-PFDoA","13C2-PFDoA","62.0","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","62.0","62.0","","","","","","50","150","","","","",""
","","
"B7J0092-BLK1","537_MOD","10/26/17","13:10","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","63.1","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","63.1","63.1","","","","","","50","150","","","","","",""
","","
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","375-22-4","PFBA","0.0699","","TRG","Yes","Y","","Y","0.000729","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0699","87.3","","","","","","","70","130","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","2706-90-3","PFPeA","0.0707","","TRG","Yes","Y","","Y","0.00128","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0707","88.3","","","","","","","70","130","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","375-73-5","PFBS","0.0714","","TRG","Yes","Y","","Y","0.00179","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0714","89.2","","","","","","","70","130","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","307-24-4","PERFLUOROHEXANOIC ACID (PFHXA)","0.0741","","TRG","Yes","Y","","Y","0.00218","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.

0741","92.7","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","375-85-9","PERFLUOROHEPTANOIC ACID
(PFHPA)","0.0708","","TRG","Yes","Y","","Y","0.000591","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0
.0708","88.5","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","355-46-4","PERFLUOROHEXANESULFONIC
ACID
(PFHXS)","0.0743","","TRG","Yes","Y","","Y","0.000947","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0
.0743","92.9","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","335-67-1","PERFLUOROOCTANOIC ACID
(PFOA)","0.0667","","TRG","Yes","Y","","Y","0.000651","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.
0667","83.4","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","1763-23-
1","HEPTADECAFLUOROACTANESULFONIC ACID SOLUTION
","0.0606","","TRG","Yes","Y","","Y","0.000807","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0606","7
5.7","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","375-95-1","PERFLUORONONANOIC ACID
(PFNA)","0.0696","","TRG","Yes","Y","","Y","0.000810","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.
0696","87.1","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","335-76-2","PERFLUORODECANOIC ACID
(PFDA)","0.0818","","TRG","Yes","Y","","Y","0.00149","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.0
818","102","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","754-91-
6","PFOSA","0.0596","","TRG","Yes","Y","","Y","0.00177","0.00500","0.00800","UG_L","UG_L","","","","0.0800","
0.0596","74.6","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","2355-31-
9","MeFOSAA","0.0715","","TRG","Yes","Y","","Y","0.00165","0.00500","0.00800","UG_L","UG_L","","","","0.080
0","0.0715","89.4","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","335-77-
3","PFDS","0.0997","","TRG","Yes","Y","","Y","0.00123","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.
0997","125","","","","","","","60","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","2058-94-8","PERFLUOROUNDECANOIC ACID
(PFUNA)","0.0707","","TRG","Yes","Y","","Y","0.00105","0.00500","0.00800","UG_L","UG_L","","","","0.0800","0.
0707","88.3","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","2991-50-
6","EtFOSAA","0.0622","","TRG","Yes","Y","","Y","0.00137","0.00500","0.00800","UG_L","UG_L","","","","0.0800
","0.0622","77.8","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","307-55-1","PERFLUORODODECANOIC ACID
(PFDOA)","0.0766","","TRG","Yes","Y","","Y","0.000792","0.00500","0.00800","UG_L","UG_L","","","","0.0800","
0.0766","95.7","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","72629-94-
8","PFTrDA","0.0917","","TRG","Yes","Y","","Y","0.000494","0.00500","0.00800","UG_L","UG_L","","","","0.0800
","0.0917","115","","","","","","","60","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","376-06-
7","PFTeDA","0.0582","","TRG","Yes","Y","","Y","0.000755","0.00500","0.00800","UG_L","UG_L","","","","0.0800
","0.0582","72.8","","","","","","","70","130","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C3-PFBA","13C3-
PFBA","89.9","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","89.9","89.9","","","","","","50","150","",
"","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C3-PFPeA","13C3-
PFPeA","79.3","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","79.3","79.3","","","","","","50","150","
","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C3-PFBS","13C3-
PFBS","81.8","","IS","Yes","Y","","Y","","","","PCT_REC","","","","","100","81.8","81.8","","","","","","50","150","",
"","","",""

"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C2-PFHxA","13C2-PFHxA","83.1","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","83.1","83.1","","","","","","50","150","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C4-PFHpA","13C4-PFHpA","84.8","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","84.8","84.8","","","","","","50","150","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","18O2-PFHxS","18O2-PFHxS","82.4","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","82.4","82.4","","","","","","50","150","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C2-PFOA","13C2-PFOA","82.5","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","82.5","82.5","","","","","","50","150","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C8-PFOS","13C8-PFOS","97.7","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","97.7","97.7","","","","","","50","150","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C5-PFNA","13C5-PFNA","81.7","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","81.7","81.7","","","","","","50","150","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C2-PFDA","13C2-PFDA","68.7","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","68.7","68.7","","","","","","50","150","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C8-PFOSA","13C8-PFOSA","57.8","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","57.8","57.8","","","","","","50","150","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","d3-MeFOSAA","d3-MeFOSAA","57.6","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","57.6","57.6","","","","","","50","150","","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C2-PFUnA","13C2-PFUnA","66.4","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","66.4","66.4","","","","","","50","150","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","d5-EtFOSAA","d5-EtFOSAA","61.9","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","61.9","61.9","","","","","","50","150","","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C2-PFDoA","13C2-PFDoA","66.6","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","66.6","66.6","","","","","","50","150","","","","",""
"B7J0092-BS1","537_MOD","10/26/17","12:03","N","NA","000","13C2-PFTeDA","13C2-PFTeDA","92.0","","IS","Yes","Y","","Y","","","","","PCT_REC","","","","","100","92.0","92.0","","","","","","50","150","","","","","",""

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

AMEC Foster Wheeler, Inc.
7376 SW Durham Road
Portland, OR 97224
Attn: Ms. Marina Mitchell

November 17, 2017

SUBJECT: Former Chase Field, Data Validation

Dear Ms. Mitchell,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on November 14, 2017. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #39837:

SDG #	Fraction
1701432, 1701439	Perfluorinated Alkyl Acids

The data validation was performed under Stage 2B & 4 guidelines. The analyses were validated using the following documents, as applicable to each method:

- Final Sampling and Analysis Plan for Initial Assessment of Perfluorinated Compounds or Per- and Polyfluoroalkyl Substances Sites at Various Base Realignment and Closure Installations, June 2017
- U.S. Department of Defense Quality Systems Manual for Environmental Laboratories, Version 5.1, 2017
- USEPA, National Functional Guidelines for Organic Superfund Methods Data Review, January 2017

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist

1,603 pages-ADV 1 WEEK TAT EDD Attachment 1

90/10 (client select)

LDC #39837 (AMEC Foster Wheeler-Portland, OR / Former Chase Field)

LDC	SDG#	DATE REC'D	(1) DATE DUE	PFAs (537)																																	
Matrix:	Water/Soil			W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	1701432	11/14/17	11/21/17	4	0																																
A	1701432	11/14/17	11/21/17	3	0																																
B	1701439	11/14/17	11/21/17	4	0																																
Total	T/PG			11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11

Shaded cells indicate Stage 4 validation (all other cells are Stage 2B review). These sample counts do not include DL, RE, MS, MSD, or DUP's.

V:\LOGIN\AMEC FW\Chase Field\39837ST.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Former Chase Field

LDC Report Date: November 15, 2017

Parameters: Perfluorinated Alkyl Acids

Validation Level: Stage 2B & 4

Laboratory: Vista Analytical Laboratory

Sample Delivery Group (SDG): 1701432

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
Site 3-GW-03GW01-20171004	1701432-06	Water	10/04/17
Site 4-GW-04GW03-20171004	1701432-08	Water	10/04/17
Site 4-GW-04GW02-20171004	1701432-10	Water	10/04/17
Site 3-GW-MW1-20171005	1701432-13	Water	10/05/17
Site 3-DW-421648-20171005**	1701432-15**	Water	10/05/17
DUP01_20171005**	1701432-16**	Water	10/05/17
Site 3-GW-03GW03-20171005**	1701432-18**	Water	10/05/17
Site 4-GW-04GW02-20171004MS	1701432-10MS	Water	10/04/17
Site 4-GW-04GW02-20171004MSD	1701432-10MSD	Water	10/04/17

**Indicates sample underwent Stage 4 validation

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Sampling and Analysis Plan for Initial Assessment of Per-fluorinated Compounds (PFCS) or Per- and Polyfluoroalkyl Substances (PFAS) Sites at Various Base Realignment and Closure (BRAC) Installations (June 2017), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Perfluorinated Alkyl Acids by Environmental Protection Agency (EPA) Method 537

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results. Samples appended with a double asterisk on the cover page were subjected to Stage 4 data validation, which is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. LC/MS Instrument Performance Check

Instrument performance was checked as applicable.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

Initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

For each calibration point, the percent differences (%D) for their true value were less than or equal to 30.0% for all compounds.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all compounds.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks with the following exceptions:

Blank ID	Extraction Date	Compound	Concentration	Associated Samples
B7J0077-BLK1	10/13/17	PFHxA	0.00119 ug/L	Site 3-DW-421648-20171005** DUP01_20171005**

Sample concentrations were compared to concentrations detected in the laboratory blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated method blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
Site 3-DW-421648-20171005**	PFHxA	0.00125 ug/L	0.00494U ug/L
DUP01_20171005**	PFHxA	0.00189 ug/L	0.00485U ug/L

VI. Field Blanks

Samples EB01_20171002, EB02_20171002, EB03_20171003, EB04_2017003, EB05_2017004, and EB06_20171005 were identified as equipment blanks. No contaminants were found with the following exceptions:

Blank ID	Collection Date	Compound	Concentration	Associated Samples
EB01_20171002	10/02/17	PFHxA	0.00112 ug/L	Site 3-DW-421648-20171005** DUP01_20171005**
EB04_20171003	10/03/17	PFHxS	0.00213 ug/L	Site 4-GW-04GW02-20171004
EB05_20171004	10/04/17	PFHxS	0.00203 ug/L	Site 3-GW-03GW01-20171004 Site 4-GW-04GW03-20171004 Site 4-GW-04GW02-20171004

Sample FB05_2017004 (from SDG 1701439) was identified as a field blank. No contaminants were found.

Sample concentrations were compared to concentrations detected in the field blanks. The sample concentrations were either not detected or were significantly greater (>5X blank contaminants) than the concentrations found in the associated field blanks with the following exceptions:

Sample	Compound	Reported Concentration	Modified Final Concentration
Site 3-DW-421648-20171005**	PFHxA	0.00125 ug/L	0.00494U ug/L
DUP01_20171005**	PFHxA	0.00189 ug/L	0.00485U ug/L

VII. Surrogates

Surrogates were added to all drinking water samples as required by the method. All surrogate recoveries (%R) were within QC limits.

VIII. Matrix Spike/Matrix Spike Duplicates

Matrix spike (MS) and matrix spike duplicate (MSD) sample analysis was performed on an associated project sample. Percent recoveries (%R) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	MS (%R) (Limits)	MSD (%R) (Limits)	Flag	A or P
Site 4-GW-04GW02-20171004MS/MSD (Site 4-GW-04GW02-20171004)	PFHxS	51.3 (70-130)	142 (70-130)	J (all detects)	A

Relative percent differences (RPD) were within QC limits with the following exceptions:

Spike ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
Site 4-GW-04GW02-20171004MS/MSD (Site 4-GW-04GW02-20171004)	PFHxS	93.8 (≤30)	J (all detects)	A

IX. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

X. Field Duplicates

Samples Site 3-DW-421648-20171005** and DUP01_20171005** were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ug/L)		RPD (Limits)	Differences (Limits)	Flag	A or P
	Site 3-DW-421648-20171005**	DUP01_20171005**				
PFHxA	0.00125	0.00189	-	0.00064 (≤0.00988)	-	-

XI. Internal Standards

All internal standard areas and retention times were within QC limits.

XII. Compound Quantitation

All compound quantitations met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

The laboratory limit of quantitation (LOQ), limit of detection (LOD), and detection limit (DL) are higher than the QAPP LOQ, LOD, and DL.

XIII. Target Compound Identifications

All target compound identifications met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

XIV. System Performance

The system performance was acceptable for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

XV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

Due to MS/MSD %R and RPD, data were qualified as estimated in one sample.

Due to laboratory blank contamination, data were qualified as not detected in two samples.

Due to equipment blank contamination, data were qualified as not detected in two samples.

The quality control criteria reviewed, other than those discussed above, were met and are considered acceptable. Sample results that were found to be estimated (J) are usable for limited purposes only. Based upon the data validation all other results are considered valid and usable for all purposes.

Former Chase Field
Perfluorinated Alkyl Acids - Data Qualification Summary - SDG 1701432

Sample	Compound	Flag	A or P	Reason
Site 4-GW-04GW02-20171004	PFHxS	J (all detects)	A	Matrix spike/Matrix spike duplicate (%R)(RPD)

Former Chase Field
Perfluorinated Alkyl Acids - Laboratory Blank Data Qualification Summary - SDG 1701432

Sample	Compound	Modified Final Concentration	A or P
Site 3-DW-421648-20171005**	PFHxA	0.00494U ug/L	A
DUP01_20171005**	PFHxA	0.00485U ug/L	A

Former Chase Field
Perfluorinated Alkyl Acids - Field Blank Data Qualification Summary - SDG 1701432

Sample	Compound	Modified Final Concentration	A or P
Site 3-DW-421648-20171005**	PFHxA	0.00494U ug/L	A
DUP01_20171005**	PFHxA	0.00485U ug/L	A

LDC #: 39837A96 **VALIDATION COMPLETENESS WORKSHEET** Date: 11/14/17
SDG #: 1701432 Stage 2B/4 Page: 1 of 1
Laboratory: Vista Analytical Laboratory Reviewer: 9
2nd Reviewer:

METHOD: LC/MS Perfluorinated Alkyl Acids (EPA Method 537)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A A	%RSD ≤ 20%, r² True %D ≤ 30% ICV ≤ 30%
IV.	Continuing calibration	A	CCV ≤ 30%
V.	Laboratory Blanks	SW	
VI.	Field blanks	SW	see WS for EB. FRB05_20171005 (1701439)
VII.	Surrogate spikes	A	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	A	LCS/D
X.	Field duplicates	SW	D = 5+6
XI.	Internal standards	SW	
XII.	Compound quantitation RL/LOQ/LODs	SW	Not reviewed for Stage 2B validation
XIII.	Target compound identification	A	Not reviewed for Stage 2B validation
XIV.	System performance	A	Not reviewed for Stage 2B validation
XV.	Overall assessment of data	A	

Note: A = Acceptable ND = No compounds detected D = Duplicate SB=Source blank
N = Not provided/applicable R = Rinsate TB = Trip blank OTHER:
SW = See worksheet FB = Field blank EB = Equipment blank
** Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
1 2	Site 3-GW-03GW01-20171004	1701432-06	Water	10/04/17
2 3	Site 4-GW-04-GW03-20171004	1701432-08	Water	10/04/17
3 2	Site 4-GW-04-GW02-20171004	1701432-10	Water	10/04/17
4 2	Site 3-GW-MW01-20171005	1701432-13	Water	10/05/17
5 1	Site 3-DW-421648-20171005**	1701432-15**	Water	10/05/17
6 1	DUP01_20171005**	1701432-16**	Water	10/05/17
7 2	Site 3-GW-03GW03-20171005**	1701432-18**	Water	10/05/17
8 2	Site 4-GW-04-GW02-20171004MS	1701432-10MS	Water	10/04/17
9 2	Site 4-GW-04-GW02-20171004MSD	1701432-10MSD	Water	10/04/17
10				
11 1	BTJ0077-BLK1			
12 2	BTJ0071-BLK1			
13 3	BTJ0092-BLK1			
14				

LDC #: 39837A96

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: 9
2nd Reviewer: JVC

Method: LCMS (EPA Method 537)

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
II. LC/MS Instrument performance check				
Were the instrument performance reviewed and found to be within the specified criteria?	✓			
Were all samples analyzed within the 12 hour clock criteria?	✓			
IIIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit criteria of ≥ 0.990?	✓			
Were all analytes within 70-130% or percent differences (%D) ≤30% of their true value for each calibration standard	✓			
IIIb. Initial Calibration Verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 30%?	✓			
IV. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) of the continuing calibration ≤ 30%?	✓			
V. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks? If yes, please see the Blanks validation completeness worksheet.	✓			
VI. Field blanks				
Were field blanks identified in this SDG?	✓			
Were target compounds detected in the field blanks?	✓			
VIII. Matrix spike/Matrix spike duplicates				
Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG? If no, indicate which matrix does not have an associated MS/MSD. Soil / Water.	✓			
Was a MS/MSD analyzed every 20 samples of each matrix?	✓			
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?		✓		
IX. Laboratory control samples				
Was an LCS analyzed for this SDG?	✓			

LDC #: 37837A96

VALIDATION FINDINGS CHECKLIST

Reviewer: 9
2nd Reviewer: JVG

Validation Area	Yes	No	NA	Findings/Comments
Was an LCS analyzed per extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
X. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓	✓		
Were target compounds detected in the field duplicates?.	✓			
XI. Internal standards				
Were internal standard area counts within ± 50% of the associated calibration standard?	✓	✓		
XII. Compound quantitation				
Were the correct internal standard (IS), quantitation ion and relative response factor (RRF) used to quantitate the compound?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XIII. Target compound identification				
Were relative retention times (RRT's) within ± 0.06 RRT units of the standard?	✓			
Did compound spectra meet specified EPA "Functional Guidelines" criteria?	✓			
Were chromatogram peaks verified and accounted for?	✓			
XIV. System performance				
System performance was found to be acceptable.	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

TARGET COMPOUND WORKSHEET

METHOD: PFOS/PFOAs

A. Perfluorohexanoic acid (PFHxA)				
B. Perfluoroheptanoic acid (PFHpA)				
C. Perfluorooctanoic acid (PFOA)				
D. Perfluorononanoic acid (PFNA)				
E. Perfluorodecanoic acid (PFDA)				
F. Perfluoroundecanoic acid (PFUnA)				
G. Perfluorododecanoic acid (PFDoA)				
H. Perfluorotridecanoic acid (PFTriA)				
I. Perfluorotetradecanoic acid (PFTeA)				
J. Perfluorobutanesulfonic acid (PFBS)				
K. Perfluorohexanesulfonic acid (PFHxS)				
L. Perfluoroheptanesulfonic acid (PFHpS)				
M. Perfluorooctanesulfonic acid (PFOS)				
N.Perfluorodecanesulfonic acid (PFDS)				
O. Perfluorooctane Sulfonamide (FOSA)				
P. Perfluorobutanoic acid (PFBA)				
Q. Perfluoropentanoic acis (PFPeA)				
R. 6:2FTS				
S. 8:2FTS				

LDC #: 39835A96

VALIDATION FINDINGS WORKSHEET
Blanks

Page: 1 of 1
Reviewer: 9
2nd Reviewer: JVG

METHOD: __ GC __✓__ HPLC/MS

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all samples associated with a given method blank?
Y N N/A Was a method blank performed for each matrix and whenever a sample extraction procedure was performed?
Y N N/A Was a method blank performed with each extraction batch?
Y N N/A Were any contaminants found in the method blanks? If yes, please see findings below.

Level IV/D Only

Y N N/A (Gasoline and aromatics only)Was a method blank analyzed with each 24 hour batch?
Y N N/A Was a method blank analyzed for each analytical / extraction batch of ≤20 samples?

Blank extraction date: 10/13/17 **Blank analysis date:** 10/15/17 **Associated samples:** 5-6
Conc. units: NG/L

Compound	Blank ID	Sample Identification						
BT00TT-BK		5		6				
PFHxA	0.00119	0.00125/0.00494		0.00159/0.00485				

Blank extraction date:_____ **Blank analysis date:**_____ **Associated samples:**_____
Conc. units:_____

Compound	Blank ID	Sample Identification						

ALL CIRCLED RESULTS WERE NOT QUALIFIED. ALL RESULTS NOT CIRCLED WERE QUALIFIED BY THE FOLLOWING STATEMENT:
All contaminants within five times the method blank concentration were qualified as not detected, "U".

LDC #: 39837A96

VALIDATION FINDINGS WORKSHEET
Field Blanks

Reviewer: 9
2nd Reviewer: SW

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

EB02_20171002, EB03_20171003 and EB06_20171005 = ND

(Y) N N/A Were field blanks identified in this SDG?
(Y) N N/A Were target compounds detected in the field blanks?

Blank units: ug/L **Associated sample units:** ug/L
Sampling date: 10/2/17
Field blank type: (circle one) Trip Blank/Field Blank / Rinsate / Other: EB Associated Samples: 5-6

Compound	Blank ID	Sample Identification								
	EB01_20171002	Action Level	5	6						
PFHxA	0.00112	0.0056	0.00125/0.00494	0.00189/0.00485						

Blank units: ug/L **Associated sample units:** ug/L
Sampling date: 10/3/17
Field blank type: (circle one) Field Blank / Rinsate / Other: EB Associated Samples: 3

Compound	Blank ID	Sample Identification								
	EB04_2017003	Action Level								
PFHxS	0.00213	0.01065								

Blank units: ug/L **Associated sample units:** ug/L
Sampling date: 10/4/17
Field blank type: (circle one) Field Blank / Rinsate / Other: EB Associated Samples: 1 - 3

Compound	Blank ID	Sample Identification								
	EB05_2017004	Action Level	1							
PFHxS	0.00203	0.01015								

Privileged and Confidential

LDC #: 39837A96

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates

Page: 1 of 1
Reviewer: 9
2nd Reviewer: JV6

METHOD: __ GC ✓ HPLC ~~MS~~

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were a matrix spike (MS) and matrix spike duplicate (MSD) analyzed for each matrix in this SDG?

Y N N/A Was an MS/MSD analyzed every 20 samples for each matrix or whenever a sample extraction was performed?

Y N N/A Were the MS/MSD percent recoveries (%R) and relative percent differences (RPD) within QC limits?

#	MS/MSD ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	8/9	PFHxS	51.3 (70-130)	142 (70-130)	( )	3 (dets)	J/UJ/A
		↓	( )	( )	93.8 (≤30)		dets/A
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC#: 39837A96

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Page: 1 of 1
Reviewer: 9
2nd Reviewer: JW

METHOD: PFCs (Method 537 mod)

Compound	Concentration (ug/L)		(≤30) RPD	Difference	Limits	Qual
	5	6				
PFHxA	0.00125	0.00189		0.00064	≤0.00988	

LDC #: 39837A96

VALIDATION FINDINGS WORKSHEET
Internal Standards

Page: 1 of 1
Reviewer: 9
2nd Reviewer: JVG

METHOD: LC/MS PFCs

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Were all internal standard area counts within 50-150% limits?

Y N N/A Were the retention times of the internal standards within +/- 30 seconds of the retention times of the associated calibration standard?

#	Date	Sample ID	Internal Standard	Area (Limits)	RT (Limits)	Qualifications
		BZ10071-BK	13C8-PFOSA	49.3 (50-150)		J (all detects) A

LDC #: 39037A96

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and RLs

Reviewer: 9
2nd Reviewer: JVC

METHOD: LC/MS

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level IV/D Only

Y N N/A Were RLs adjusted for sample dilutions, dry weights, etc.?

#	Date	Sample ID	Finding	Associated Samples	Qualifications
			The laboratory limit of quantitation (LOQ), limit of detection (LOD), and detection limit (DL) are higher than the QAPP LOQ, LOD, and DL.		Text

Method: LC/MS PFCs

Calibration Date	Analyte	Standard	(X) Concentration	(Y) Area
10/15/2017	PFHxA Q2	1	0.050	0.0163138
		2	0.100	0.0282592
		3	0.200	0.0542646
		4	0.500	0.1030327
		5	1.000	0.2047553
		6	2.500	0.4836747
		7	5.000	1.0121985
		8	7.500	1.5125812
		9	10.000	2.0256968

Linear through the origin

	calculated	***Reported***
Constant	*0.000000*	0.0000
X Coefficient(s)	*2.020221E-01*	2.02105E-01
Correlation Coefficient	*0.999948*	
Coefficient of Determination (r^2)	*0.999895*	0.9986

LDC#: 39837A96

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: 9
2nd Reviewer: JNG

Method: LC/MS/MS PFCs

Calibration Date	System	Compound	Standard	(Y) Response	(X) Concentration
10/16/2017	Q4	PFOA	0	0.6885150	0.25
			s1	0.8251737	0.50
			s2	1.4842825	1.00
			s3	2.6060887	2.00
			s4	5.3262037	5.00
			s5	10.2938050	10.00
			s6	50.4021010	50.00
			s7	99.906131	100.00
			s9	229.659260	250.00

Regression Output		***Reported***
Constant	*1.603415*	*0.469792*
Std Err of Y Est		
R Squared	*0.998821*	*0.998193*
Degrees of Freedom		
X Coefficient(s)	*0.923608*	*0.947972*
Std Err of Coef.		
Correlation Coefficient	*0.999411*	
Coefficient of Determination (r^2)	*0.998821*	*0.998193*

LDC #: 39837A96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: 9
2nd Reviewer: JVC

METHOD: GC ✓ HPLC ~~✓~~ LC-3

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF - CF)/ave. CF
CF = A/C

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(Ical)/ CCV Conc.	Reported CF/Conc. CCV	Recalculated CF/Conc. CCV	Reported %D	Recalculated %D
1	IT101564.2.T	10/15/17	~~PFHxA~~	50.0	48.965	48.918	2.1	2.2
2	IT101LM#36	10/16/17	~~PFOA~~	10.0	11.6	11.5T	15T	15.T
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 39837A96

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: G
2nd reviewer: JDe

METHOD: __ GC √ HPLC / MS

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 5

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
13C2-PFHxA		39.5257	39.846	101	101	0
13C2-PFOA		V	38.953	98.5	98.5	V
d5-N-EtFOSAA		158.10276	161.430	102	102	V

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

LDC #: 39885A96

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Page: 1 of 1
Reviewer: 9
2nd Reviewer: MB

METHOD: ___ GC ✓ HPLC (LCMS)

The percent recoveries (%R) and relative percent differences (RPD) of the matrix spike and matrix spike duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC - SC)/SA Where SSC = Spiked sample concentration SC = Sample concentration
SA = Spike added
RPD =(({SSCMS - SSCMSD} * 2) / (SSCMS + SSCMSD))*100 MS = Matrix spike MSD = Matrix spike duplicate

MS/MSD samples: 8/9

Compound	Spike Added (µg/L)		Sample Conc. (µg/L)	Spike Sample Concentration (µg/L)		Matrix spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	---	MS	MSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)											
Diesel (8015)											
Benzene (8021B)											
Methane (RSK-175)											
2,4-D (8151)											
Dinoseb (8151)											
Naphthalene (8310)											
Anthracene (8310)											
HMX (8330)											
2,4,6-Trinitrotoluene (8330)											
PFHxA	0.0854	0.0906	0.300	0.386	0.390	100.0	100.7	99.0	99.3	1.01	1.03

Comments: Refer to Matrix Spike/Matrix Spike Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 37837A96

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicate Results Verification

Reviewer: Q
2nd Reviewer: JR

METHOD: __ GC ✓ HPLC / MS

The percent recoveries (%R) and Relative Percent difference (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

% Recovery = 100* (SSC-SC)/SA

RPD = I SSCLCS - SSCLCSD I * 2/(SSCLCS + SSCLCSD)

Where: SSC = Spiked sample concentration
SA = Spike added
LCS = Laboratory control sample percent recovery
SC = Concentration
LCSD = Laboratory control sample duplicate percent recovery

LCS/LCSD samples: BTN0077

Compound	Spike Added (µg/L)		Spiked Sample Concentration (µg/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Gasoline (8015)										
Diesel (8015)										
Benzene (8021B)										
Methane (RSK-175)										
2,4-D (8151)										
Dinoseb (8151)										
Naphthalene (8310)										
Anthracene (8310)										
HMX (8330)										
2,4,6-Trinitrotoluene (8330)										
~~PFHxA~~	0.0400	0.0400	0.0390	0.0366	97.6	97.5	91.5	91.5	6.41	6.35

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 34887A96

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: 9
2nd Reviewer: JJG

METHOD: __ GC ✓ HPLC/MS

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 5 Compound Name PFHxA

Concentration = $\frac{(3.40e1)(10.^0)(1)}{(5.64e3)(0.202105)(0.253)(1000)}$

$= 0.0125$ µg/L

#	Sample ID	Compound	Reported Concentrations (µg/L)	Recalculated Results Concentrations ( )	Qualifications
	5	PFHxA	0.0125		

Comments: _____

SAMPCAL.wpd

LDC Report# 39837B96

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Former Chase Field

LDC Report Date: November 15, 2017

Parameters: Perfluorinated Alkyl Acids

Validation Level: Stage 2B

Laboratory: Vista Analytical Laboratory

Sample Delivery Group (SDG): 1701439

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
FRB05_20171005	1701439-01	Water	10/05/17
Site 3-GW-03GW02-20171005	1701439-02	Water	10/05/17
Site 4-GW-04GW01-20171006	1701439-04	Water	10/06/17
FRB06_20171006	1701439-05	Water	10/06/17

Introduction

This Data Validation Report (DVR) presents data validation findings and results for the associated samples listed on the cover page. Data validation was performed in accordance with the Final Sampling and Analysis Plan for Initial Assessment of Per-fluorinated Compounds (PFCS) or Per- and Polyfluoroalkyl Substances (PFAS) Sites at Various Base Realignment and Closure (BRAC) Installations (June 2017), the U.S. Department of Defense (DoD) Quality Systems Manual (QSM) for Environmental Laboratories, Version 5.1 (2017), and a modified outline of the USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (January 2017). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Perfluorinated Alkyl Acids by Environmental Protection Agency (EPA) Method 537

All sample results were subjected to Stage 2B data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers utilized during data validation:

J (Estimated): The compound or analyte was analyzed for and positively identified by the laboratory; however the reported concentration is estimated due to non-conformances discovered during data validation.

U (Non-detected): The compound or analyte was analyzed for and positively identified by the laboratory; however the compound or analyte should be considered non-detected at the reported concentration due to the presence of contaminants detected in the associated blank(s).

UJ (Non-detected estimated): The compound or analyte was reported as not detected by the laboratory; however the reported quantitation/detection limit is estimated due to non-conformances discovered during data validation.

R (Rejected): The sample results were rejected due to gross non-conformances discovered during data validation. Data qualified as rejected is not usable.

NA (Not Applicable): The non-conformance discovered during data validation demonstrates a high bias, while the affected compound or analyte in the associated sample(s) was reported as not detected by the laboratory and did not warrant the qualification of the data.

A qualification summary table is provided at the end of this report if data has been qualified. Flags are classified as P (protocol) or A (advisory) to indicate whether the flag is due to a laboratory deviation from a specified protocol or is of technical advisory nature.

I. Sample Receipt and Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

II. LC/MS Instrument Performance Check

Instrument performance was checked as applicable.

All ion abundance requirements were met.

III. Initial Calibration and Initial Calibration Verification

Initial calibration was performed as required by the method.

For compounds where average relative response factors (RRFs) were utilized, the percent relative standard deviations (%RSD) were less than or equal to 20.0%.

In the case where the laboratory used a calibration curve to evaluate the compounds, all coefficients of determination (r^2) were greater than or equal to 0.990.

For each calibration point, the percent differences (%D) for their true value were less than or equal to 30.0% for all compounds.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 30.0% for all compounds.

IV. Continuing Calibration

Continuing calibration was performed at required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all compounds.

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB06_20171005 (from SDG 1701432) was identified as an equipment blank. No contaminants were found.

Samples FRB05_20171005 and FRB06_20171006 were identified as field rinsate blanks. No contaminants were found.

VII. Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for the samples in this SDG, and therefore matrix spike and matrix spike duplicate analyses were not performed for this SDG.

VIII. Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

IX. Field Duplicates

No field duplicates were identified in this SDG.

X. Internal Standards

All internal standard areas and retention times were within QC limits.

XI. Compound Quantitation

The laboratory limit of quantitation (LOQ), limit of detection (LOD), and detection limit (DL) are higher than the QAPP LOQ, LOD, and DL.

Raw data were not reviewed for Stage 2B validation.

XII. Target Compound Identifications

Raw data were not reviewed for Stage 2B validation.

XIII. System Performance

Raw data were not reviewed for Stage 2B validation.

XIV. Overall Assessment of Data

The analysis was conducted within all specifications of the method. No results were rejected in this SDG.

The quality control criteria reviewed were met and are considered acceptable. Based upon the data validation all results are considered valid and usable for all purposes.

Former Chase Field
Perfluorinated Alkyl Acids - Data Qualification Summary - SDG 1701439

No Sample Data Qualified in this SDG

Former Chase Field
Perfluorinated Alkyl Acids - Laboratory Blank Data Qualification Summary - SDG 1701439

No Sample Data Qualified in this SDG

Former Chase Field
Perfluorinated Alkyl Acids - Field Blank Data Qualification Summary - SDG 1701439

No Sample Data Qualified in this SDG

LDC #: 39837B96 **VALIDATION COMPLETENESS WORKSHEET** Date: 11/14/17
SDG #: 1701439 Stage 2B Page: 1 of 1
Laboratory: Vista Analytical Laboratory Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS Perfluorinated Alkyl Acids (EPA Method 537)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	GC/MS Instrument performance check	A	
III.	Initial calibration/ICV	A A	RSD ≤ 20% or r^2 True; %D ≤ 30%. ICV ≤ 30%
IV.	Continuing calibration	A	CCV ≤ 30%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	FB=1, 4. EB06_20171005 (1701432)
VII.	Surrogate spikes	N	Not used
VIII.	Matrix spike/Matrix spike duplicates	N	CS
IX.	Laboratory control samples	A	LCS/D
X.	Field duplicates	N	
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	N	
XIII.	Target compound identification	N	
XIV.	System performance	N	
XV.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	FRB05_20171005	1701439-01	Water	10/05/17
2	Site 3-GW-03GW02-20171005	1701439-02	Water	10/05/17
3	Site 4-GW-04GW01-20171006	1701439-04	Water	10/06/17
4	FRB06_20171006	1701439-05	Water	10/06/17
5				
6				
7				
8				
9				

Notes:

LDC #: 39837B96

VALIDATION FINDINGS WORKSHEET
Compound Quantitation and RLs

Page: 1 of 1
Reviewer: 9
2nd Reviewer: JVG

METHOD: LC/MS

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Level ~~IV/D~~ Only

Y N (N/A) Were RLs adjusted for sample dilutions, dry weights, etc.?

#	Date	Sample ID	Finding	Associated Samples	Qualifications
			The laboratory limit of quantitation (LOQ), limit of detection (LOD), and detection limit (DL) are higher than the QAPP LOQ, LOD, and DL.		Text

LDC #: 39837

EDD POPULATION COMPLETENESS WORKSHEET

Date: 11/15
Page: 1 of 1
2nd Reviewer: BA

The LDC job number listed above was entered by JE.

	EDD Process		Comments/Action
I.	EDD Completeness	-	
Ia.	- All methods present?	Y	
Ib.	- All samples present/match report?	Y	
Ic.	- All reported analytes present?	Y	
Id.	- 10% or 100% verification of EDD?	Y	
II.	EDD Preparation/Entry	-	
IIa.	- Carryover U/J?	—	
IIb.	- Reason Codes used? If so, note which codes.	Y	
IIc.	- Additional Information (QC Level, Validator, Validated Y/N, etc.)	Y	
III.	Reasonableness Checks	-	
IIIa.	- Do all qualified ND results have ND qualifier (e.g. UJ)?	Y	
IIIb.	- Do all qualified detect results have detect qualifier (e.g. J)?	Y	
IIIc.	- If reason codes are used, do all qualified results have reason code field populated, and vice versa?	Y	
IIId.	-Does the detect flag require changing for blank qualifier? If so, are all U results marked ND?	Y/Y	
IIIe.	- Do blank concentrations in report match EDD where data was qualified due to blank contamination?	Y	
IIIf.	- Were multiple results reported due to dilutions/reanalysis? If so, were results qualified appropriately?	+	
IIIg.	-Are there any discrepancies between the data packet and the EDD?	N	

Notes: *see discrepancy sheet

INSTALLATION_ID	SITE_NAME	LOCATION_NAME	LOCATION_TYPE	LOCATION_TYPE_DESC	COORD_X*	COORD_Y*	SAMPLE_NAME	SAMPLE_MATRIX	SAMPLE_MATRIX_DESC	COLLECT_DATE	ANALYTICAL_METHOD_GRP_DESC	SDG
CHASE_FIELD_NAS	TBC	421648	DW	Domestic Well	-97.653028	28.365972	DUP01_20171005	WG	Ground water	5-Oct-17	Perfluoroalkyl Compounds	1701432
CHASE_FIELD_NAS	TBC	421648	DW	Domestic Well	-97.653028	28.365972	SITE 3-DW-421648-20171005	WP	Drinking Water	5-Oct-17	Perfluoroalkyl Compounds	1701432
CHASE_FIELD_NAS	TBC	03GW01	WLM	Monitoring Well	-97.658889	28.366669	SITE 3-GW-03GW01-20171004	WG	Ground water	4-Oct-17	Perfluoroalkyl Compounds	1701432
CHASE_FIELD_NAS	TBC	03GW03	WLM	Monitoring Well	-97.657863	28.366173	SITE 3-GW-03GW03-20171005	WG	Ground water	5-Oct-17	Perfluoroalkyl Compounds	1701432
CHASE_FIELD_NAS	TBC	391085	WLM	Monitoring Well	-97.658612	28.371667	SITE 3-GW-MW1-20171005	WG	Ground water	5-Oct-17	Perfluoroalkyl Compounds	1701432
CHASE_FIELD_NAS	TBC	04GW02	WLM	Monitoring Well	-97.647267	28.353026	SITE 4-GW-04GW02-20171004	WG	Ground water	4-Oct-17	Perfluoroalkyl Compounds	1701432
CHASE_FIELD_NAS	TBC	04GW03	WLM	Monitoring Well	-97.646676	28.352515	SITE 4-GW-04GW03-20171004	WG	Ground water	4-Oct-17	Perfluoroalkyl Compounds	1701432