NAVFAC
Naval Facilities Engineering Command

Groundwater Sample Results, Level 2 Laboratory Report, Level 4 Laboratory Report, Electronic Data Deliverable, Data Validation Report, Sample Location Report, SDG 1800127

Former NSY Mare Island, CA

March 2021

February 07, 2018

Vista Work Order No. 1800127

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 January 17, 2018. This sample set was analyzed on a standard turn-around time, under your Project Name 'BRAC PFAS,Mare Island, Vallejo, CA-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,

Martha Maier
Laboratory Director

Vista Work Order No. 1800127
Case Narrative

Sample Condition on Receipt:

One blank water sample and eight 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.

Analytical Notes:

Modified EPA Method 537

The following samples contained particulate and were centrifuged prior to extraction:

Laboratory ID	Sample Name
1800127-02	IRSite1-GW-01W53A-20180116
1800127-03	IRSite1-GW-MW80A-20180116
1800127-04	IRSite1-GW-01W28B-20180116
1800127-05	IRSite1-GW-01W38AR-20180116
1800127-06	IRSite1-GW-MW86A-20180116
1800127-07	IRSite1-GW-MW85A-20180116
1800127-08	DUP02-20180116

The 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 Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 of the LOQ concentrations. The recoveries of PFTrDA and PFTeDA were > 130% in the LCSD. These analytes were not detected in the samples. The recoveries of all other analytes were within the acceptance criteria.

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

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1800127-01	EB02-20180116	Modified EPA Method 537	13C2-PFUnA	H	47.8
1800127-01	EB02-20180116	Modified EPA Method 537	13C2-PFTeDA	H	45.2

H = Recovery was outside laboratory acceptance criteria.

TABLE OF CONTENTS

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1800127-01	EB02-20180116	16-Jan-18 12:00	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-02	IRSite1-GW-01W53A-20180116	16-Jan-18 08:00	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-03	IRSite1-GW-MW80A-20180116	16-Jan-18 08:40	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-04	IRSite1-GW-01W28B-20180116	16-Jan-18 09:20	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-05	IRSite1-GW-01W38AR-20180116	16-Jan-18 09:40	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-06	IRSite1-GW-MW86A-20180116	16-Jan-18 10:30	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-07	IRSite1-GW-MW85A-20180116	16-Jan-18 11:00	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-08	DUP02-20180116	16-Jan-18 11:05	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-09	IRSite1-GW-MW82A-20180116	16-Jan-18 11:30	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Aqueous

Laboratory Data

Lab Sample: B8A0140-BLK1
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.895	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFHxA	ND	1.09	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFHpA	ND	0.296	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFHxS	ND	0.474	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFOA	ND	0.326	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFOS	ND	0.404	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFNA	ND	0.405	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFDA	ND	0.745	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
MeFOSAA	ND	0.825	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFUnA	ND	0.525	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
EtFOSAA	ND	0.685	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFDoA	ND	0.396	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFTrDA	ND	0.247	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFTeDA	ND	0.378	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	109	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFHxA	IS	112	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C4-PFHpA	IS	91.4	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
18O2-PFHxS	IS	94.3	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFOA	IS	92.1	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C8-PFOS	IS	103	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C5-PFNA	IS	99.7	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFDA	IS	56.4	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
d3-MeFOSAA	IS	58.2	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFUnA	IS	56.4	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
d5-EtFOSAA	IS	60.4	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFDoA	IS	63.3	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFTeDA	IS	57.5	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	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:	B8A0140-BS1/B8A0140-BSD1	Date Extracted:	25-Jan-18
Project:	BRAC PFAS,Mare Island, Vallejo, CA-TO 0008	QC Batch:	B8A0140	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.250/0.250 L		

Analyte	LCS (ng/L)	LCS Spike Amt	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike Amt	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBS	37.8	40.0	94.5		41.5	40.0	104	9.39		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFHxA	37.4	40.0	93.4		39.9	40.0	99.6	6.40		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFHpA	36.2	40.0	90.6		42.2	40.0	106	15.3		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFHxS	36.8	40.0	91.9		39.0	40.0	97.6	6.03		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFOA	32.9	40.0	82.3		36.8	40.0	92.0	11.2		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFOS	43.8	40.0	110		37.7	40.0	94.3	15.0		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFNA	38.3	40.0	95.8		39.0	40.0	97.5	1.75		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFDA	30.6	40.0	76.6		42.6	40.0	107	32.7		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
MeFOSAA	32.6	40.0	81.5		37.1	40.0	92.7	12.8		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFUnA	41.4	40.0	103		33.6	40.0	84.0	20.7		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
EtFOSAA	40.0	40.0	100		35.9	40.0	89.8	10.8		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFDoA	52.1	40.0	130		42.5	40.0	106	20.3		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFTrDA	48.7	40.0	122		52.7	40.0	132	7.96	H	60-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFTeDA	42.0	40.0	105		57.2	40.0	143	30.7	H	70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C3-PFBS	IS	109		104		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFHxA	IS	102		94.3		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C4-PFHpA	IS	104		98.7		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
18O2-PFHxS	IS	112		111		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFOA	IS	94.4		85.0		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C8-PFOS	IS	89.6		91.8		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C5-PFNA	IS	84.6		81.9		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFDA	IS	81.2		58.2		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
d3-MeFOSAA	IS	101		64.8		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFUnA	IS	69.8		58.4		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
d5-EtFOSAA	IS	100		67.3		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFDoA	IS	70.2		65.7		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFTeDA	IS	71.0		50.9		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1

Sample ID: EB02-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Blank Water
Date Collected: 16-Jan-18 12:00

Laboratory Data

Lab Sample: 1800127-01
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.826	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFHxA	ND	1.01	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFHpA	ND	0.273	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFHxS	ND	0.437	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFOA	ND	0.301	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFOS	ND	0.373	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFNA	ND	0.374	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFDA	ND	0.688	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
MeFOSAA	ND	0.762	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFUnA	ND	0.485	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
EtFOSAA	ND	0.633	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFDoA	ND	0.366	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFTrDA	ND	0.228	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFTeDA	ND	0.349	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	93.5	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFHxA	IS	89.0	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C4-PFHpA	IS	81.8	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
18O2-PFHxS	IS	89.3	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFOA	IS	87.2	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C8-PFOS	IS	85.7	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C5-PFNA	IS	68.7	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFDA	IS	72.8	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
d3-MeFOSAA	IS	56.6	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFUnA	IS	47.8	50 - 150	H	B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
d5-EtFOSAA	IS	52.8	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFDoA	IS	53.7	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFTeDA	IS	45.2	50 - 150	H	B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	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: IRSite1-GW-01W53A-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 08:00

Laboratory Data

Lab Sample: 1800127-02
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	8.27	0.849	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFHxA	62.9	1.03	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFHpA	35.6	0.280	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFHxS	96.5	0.449	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFOA	75.8	0.309	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFOS	20.7	0.383	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFNA	2.40	0.384	2.37	3.79	J	B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFDA	ND	0.706	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
MeFOSAA	ND	0.782	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFUnA	ND	0.498	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
EtFOSAA	ND	0.649	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFDoA	ND	0.375	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFTrDA	ND	0.234	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFTeDA	ND	0.358	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	105	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFHxA	IS	93.6	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C4-PFHpA	IS	97.6	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
18O2-PFHxS	IS	107	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFOA	IS	83.4	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C8-PFOS	IS	93.5	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C5-PFNA	IS	92.6	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFDA	IS	92.6	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
d3-MeFOSAA	IS	84.4	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFUnA	IS	75.5	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
d5-EtFOSAA	IS	86.3	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFDoA	IS	88.2	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFTeDA	IS	74.6	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	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: IRSite1-GW-MW80A-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 08:40

Laboratory Data

Lab Sample: 1800127-03
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.953	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFHxA	29.1	1.16	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFHpA	10.1	0.315	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFHxS	4.64	0.504	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFOA	120	0.347	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFOS	ND	0.430	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFNA	ND	0.431	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFDA	ND	0.794	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
MeFOSAA	ND	0.879	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFUnA	ND	0.559	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
EtFOSAA	ND	0.730	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFDoA	ND	0.422	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFTrDA	ND	0.263	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFTeDA	ND	0.402	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	111	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFHxA	IS	95.6	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C4-PFHpA	IS	109	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
18O2-PFHxS	IS	99.0	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFOA	IS	96.9	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C8-PFOS	IS	101	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C5-PFNA	IS	83.2	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFDA	IS	90.1	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
d3-MeFOSAA	IS	58.2	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFUnA	IS	57.5	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
d5-EtFOSAA	IS	75.2	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFDoA	IS	76.0	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFTeDA	IS	63.3	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	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: IRSite1-GW-01W28B-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 09:20

Laboratory Data

Lab Sample: 1800127-04
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.810	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFHxA	ND	0.987	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFHpA	ND	0.268	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFHxS	ND	0.429	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFOA	ND	0.295	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFOS	ND	0.365	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFNA	ND	0.367	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFDA	ND	0.675	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
MeFOSAA	ND	0.747	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFUnA	ND	0.475	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
EtFOSAA	ND	0.620	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFDoA	ND	0.359	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFTrDA	ND	0.224	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFTeDA	ND	0.342	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	106	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFHxA	IS	100	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C4-PFHpA	IS	92.1	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
18O2-PFHxS	IS	99.8	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFOA	IS	94.4	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C8-PFOS	IS	78.2	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C5-PFNA	IS	83.0	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFDA	IS	92.3	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
d3-MeFOSAA	IS	87.2	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFUnA	IS	109	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
d5-EtFOSAA	IS	85.7	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFDoA	IS	93.1	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFTeDA	IS	94.0	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	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: IRSite1-GW-01W38AR-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 09:40

Laboratory Data

Lab Sample: 1800127-05
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	12.5	0.841	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFHxA	62.7	1.02	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFHpA	33.0	0.278	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFHxS	35.8	0.445	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFOA	124	0.306	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFOS	78.3	0.379	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFNA	ND	0.380	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFDA	ND	0.700	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
MeFOSAA	ND	0.775	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFUnA	ND	0.493	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
EtFOSAA	5.96	0.643	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFDoA	ND	0.372	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFTrDA	ND	0.232	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFTeDA	ND	0.355	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFHxA	IS	103	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C4-PFHpA	IS	111	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
18O2-PFHxS	IS	106	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFOA	IS	92.9	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C8-PFOS	IS	96.6	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C5-PFNA	IS	81.7	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFDA	IS	89.3	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
d3-MeFOSAA	IS	93.2	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFUnA	IS	99.2	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
d5-EtFOSAA	IS	84.7	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFDoA	IS	83.7	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFTeDA	IS	104	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	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: IRSite1-GW-MW86A-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 10:30

Laboratory Data

Lab Sample: 1800127-06
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.839	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFHxA	21.9	1.02	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFHpA	5.35	0.277	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFHxS	ND	0.444	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFOA	26.2	0.305	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFOS	0.938	0.378	2.34	3.75	J	B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFNA	ND	0.380	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFDA	ND	0.699	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
MeFOSAA	ND	0.774	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFUnA	ND	0.492	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
EtFOSAA	ND	0.642	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFDoA	ND	0.371	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFTrDA	ND	0.232	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFTeDA	ND	0.354	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	93.0	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFHxA	IS	83.4	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C4-PFHpA	IS	91.9	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
18O2-PFHxS	IS	106	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFOA	IS	87.4	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C8-PFOS	IS	88.9	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C5-PFNA	IS	82.2	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFDA	IS	67.4	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
d3-MeFOSAA	IS	66.9	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFUnA	IS	78.9	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
d5-EtFOSAA	IS	67.2	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFDoA	IS	70.7	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFTeDA	IS	50.4	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	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: IRSite1-GW-MW85A-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 11:00

Laboratory Data

Lab Sample: 1800127-07
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.938	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFHxA	22.6	1.14	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFHpA	7.37	0.310	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFHxS	ND	0.496	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFOA	10.6	0.341	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFOS	ND	0.423	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFNA	ND	0.425	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFDA	ND	0.781	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
MeFOSAA	ND	0.865	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFUnA	ND	0.550	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
EtFOSAA	ND	0.718	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFDoA	ND	0.415	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFTrDA	ND	0.259	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFTeDA	ND	0.396	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	101	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFHxA	IS	91.4	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C4-PFHpA	IS	93.0	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
18O2-PFHxS	IS	107	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFOA	IS	95.6	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C8-PFOS	IS	88.0	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C5-PFNA	IS	100	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFDA	IS	87.8	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
d3-MeFOSAA	IS	69.3	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFUnA	IS	68.0	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
d5-EtFOSAA	IS	69.6	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFDoA	IS	75.1	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFTeDA	IS	77.0	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	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: DUP02-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 11:05

Laboratory Data

Lab Sample: 1800127-08
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.880	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFHxA	21.5	1.07	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFHpA	7.45	0.291	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFHxS	ND	0.466	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFOA	11.5	0.320	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFOS	ND	0.397	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFNA	ND	0.398	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFDA	ND	0.733	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
MeFOSAA	ND	0.811	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFUnA	ND	0.516	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
EtFOSAA	ND	0.674	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFDoA	ND	0.389	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFTrDA	ND	0.243	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFTeDA	ND	0.371	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	101	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFHxA	IS	97.9	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C4-PFHpA	IS	99.1	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
18O2-PFHxS	IS	101	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFOA	IS	92.0	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C8-PFOS	IS	93.9	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C5-PFNA	IS	79.2	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFDA	IS	101	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
d3-MeFOSAA	IS	61.2	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFUnA	IS	78.9	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
d5-EtFOSAA	IS	68.2	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFDoA	IS	68.4	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFTeDA	IS	66.2	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	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: IRSite1-GW-MW82A-20180116 **Modified EPA Method 537**

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 11:30

Laboratory Data

Lab Sample: 1800127-09
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	2.22	0.854	2.39	3.82	J	B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFHxA	14.6	1.04	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFHpA	8.41	0.282	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFHxS	4.38	0.452	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFOA	9.34	0.311	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFOS	12.8	0.385	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFNA	0.825	0.386	2.39	3.82	J	B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFDA	ND	0.711	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
MeFOSAA	ND	0.787	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFUnA	ND	0.501	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
EtFOSAA	ND	0.654	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFDoA	ND	0.378	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFTrDA	ND	0.236	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFTeDA	ND	0.360	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	107	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFHxA	IS	103	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C4-PFHpA	IS	98.8	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
18O2-PFHxS	IS	106	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFOA	IS	95.1	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C8-PFOS	IS	88.5	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C5-PFNA	IS	91.4	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFDA	IS	82.8	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
d3-MeFOSAA	IS	64.3	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFUnA	IS	93.7	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
d5-EtFOSAA	IS	85.1	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFDoA	IS	86.7	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFTeDA	IS	71.4	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	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
Alaska Department of Environmental Conservation	17-013
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	1322288
New Hampshire Environmental Accreditation Program	207717
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	9077
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.

Vista Analytical

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

Vista PM: Martha Maier

1800127
0.5°C

CHAIN OF CUSTODY RECORD

DATE: 1/16/2018
PAGE: 1 OF 1

LABORATORY CLIENT: AMEC Foster Wheeler E & I, Inc.	CLIENT PROJECT NAME / NUMBER: BRAC PFAS, Mare Island, Vallejo, CA - TO 0008
ADDRESS: 9210 Sky Park Court	PROJECT CONTACT: Corey Guerrant/Marie Bevier
CITY: San Diego, CA 92123	SAMPLER(S): (SIGNATURE)
TEL: 503.639.3400 / E-Mail: corey.guerrant@woodplc.com / E-MAIL: marie.bevier@amecfw.com	P.O. NO.: KMEA PO 658 / 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.
+ Turbidity ~ 38 NTU

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	QC Level	PFOA, PFOS, and PFBS (U.S. EPA 537 Mod.) GW	PFOA, PFOS, and PFBS (U.S. EPA 537) DW Supply
	EB02-20180116	1/16/18	12:00	BW	3		X	
	IRSite1-GW-01W53A-20180116		8:40	GW	3		X	
	IRSite1-GW-MW80A-20180116		8:40		3		X	
	IRSite1-GW-01W28B-20180116		9:20		3		X	
	IRSite1-GW-01W38AR-20180116		9:40		3	IV	X	
	IRSite1-GW-MW86A-20180116		10:30		3		X	
	IRSite1-GW-MW85A-20180116		11:00		3		X+	
	DUP02-20180116		11:05		3		X+	
	IRSite1-GW-MW82A-20180116		11:30		3		X	

Relinquished by: (Signature)	Received by: (Signature) / Carrier Tracking Number: FedEx	Date: 1/16/18	Time: 14:00
Relinquished by: (Signature) FedEx	Received by: (Signature) 1/17/18	Date: 1/18/18 1/17/18 IA	Time: 0949
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1800127 **TAT** Std

Samples Arrival:	**Date/Time** 1/17/18 0933	**Initials:** IA	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 01/18/18 1554	**Initials:** JBLB	**Location:** WR **Shelf/Rack:** E2

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

Temp °C: 0.6 (uncorrected)	**Time:** 0959	**Thermometer ID:** IR-4
Temp °C: 0.5 (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 2 of 2 Trk # 7893 7584 3547	✓		
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:

February 07, 2018

Vista Work Order No. 1800127

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 January 17, 2018. This sample set was analyzed on a standard turn-around time, under your Project Name 'BRAC PFAS,Mare Island, Vallejo, CA-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,

Martha Maier
Laboratory Director

Vista Work Order No. 1800127
Case Narrative

Sample Condition on Receipt:

One blank water sample and eight 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.

Analytical Notes:

Modified EPA Method 537

The following samples contained particulate and were centrifuged prior to extraction:

Laboratory ID	Sample Name
1800127-02	IRSite1-GW-01W53A-20180116
1800127-03	IRSite1-GW-MW80A-20180116
1800127-04	IRSite1-GW-01W28B-20180116
1800127-05	IRSite1-GW-01W38AR-20180116
1800127-06	IRSite1-GW-MW86A-20180116
1800127-07	IRSite1-GW-MW85A-20180116
1800127-08	DUP02-20180116

The 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 Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) were extracted and analyzed with the preparation batch. No analytes were detected in the Method Blank above 1/2 of the LOQ concentrations. The recoveries of PFTrDA and PFTeDA were > 130% in the LCSD. These analytes were not detected in the samples. The recoveries of all other analytes were within the acceptance criteria.

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

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1800127-01	EB02-20180116	Modified EPA Method 537	13C2-PFUnA	H	47.8
1800127-01	EB02-20180116	Modified EPA Method 537	13C2-PFTeDA	H	45.2

H = Recovery was outside laboratory acceptance criteria.

TABLE OF CONTENTS

Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1800127-01	EB02-20180116	16-Jan-18 12:00	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-02	IRSite1-GW-01W53A-20180116	16-Jan-18 08:00	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-03	IRSite1-GW-MW80A-20180116	16-Jan-18 08:40	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-04	IRSite1-GW-01W28B-20180116	16-Jan-18 09:20	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-05	IRSite1-GW-01W38AR-20180116	16-Jan-18 09:40	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-06	IRSite1-GW-MW86A-20180116	16-Jan-18 10:30	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-07	IRSite1-GW-MW85A-20180116	16-Jan-18 11:00	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-08	DUP02-20180116	16-Jan-18 11:05	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL
1800127-09	IRSite1-GW-MW82A-20180116	16-Jan-18 11:30	17-Jan-18 09:33	HDPE Bottle, 250 mL
				HDPE Bottle, 125 mL
				HDPE Bottle, 125 mL

ANALYTICAL RESULTS

Sample ID: Method Blank

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Aqueous

Laboratory Data

Lab Sample: B8A0140-BLK1
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.895	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFHxA	ND	1.09	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFHpA	ND	0.296	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFHxS	ND	0.474	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFOA	ND	0.326	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFOS	ND	0.404	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFNA	ND	0.405	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFDA	ND	0.745	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
MeFOSAA	ND	0.825	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFUnA	ND	0.525	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
EtFOSAA	ND	0.685	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFDoA	ND	0.396	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFTrDA	ND	0.247	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
PFTeDA	ND	0.378	2.50	4.00		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	109	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFHxA	IS	112	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C4-PFHpA	IS	91.4	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
18O2-PFHxS	IS	94.3	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFOA	IS	92.1	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C8-PFOS	IS	103	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C5-PFNA	IS	99.7	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFDA	IS	56.4	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
d3-MeFOSAA	IS	58.2	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFUnA	IS	56.4	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
d5-EtFOSAA	IS	60.4	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFDoA	IS	63.3	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	1
13C2-PFTeDA	IS	57.5	50 - 150		B8A0140	25-Jan-18	0.250 L	30-Jan-18 20:44	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:	B8A0140-BS1/B8A0140-BSD1	Date Extracted:	25-Jan-18
Project:	BRAC PFAS,Mare Island, Vallejo, CA-TO 0008	QC Batch:	B8A0140	Column:	BEH C18
Matrix:	Aqueous	Samp Size:	0.250/0.250 L		

Analyte	LCS (ng/L)	LCS Spike Amt	LCS % Rec	LCS Quals	LCSD (ng/L)	LCSD Spike Amt	LCSD % Rec	RPD	LCSD Quals	%Rec Limits	RPD Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
PFBS	37.8	40.0	94.5		41.5	40.0	104	9.39		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFHxA	37.4	40.0	93.4		39.9	40.0	99.6	6.40		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFHpA	36.2	40.0	90.6		42.2	40.0	106	15.3		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFHxS	36.8	40.0	91.9		39.0	40.0	97.6	6.03		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFOA	32.9	40.0	82.3		36.8	40.0	92.0	11.2		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFOS	43.8	40.0	110		37.7	40.0	94.3	15.0		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFNA	38.3	40.0	95.8		39.0	40.0	97.5	1.75		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFDA	30.6	40.0	76.6		42.6	40.0	107	32.7		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
MeFOSAA	32.6	40.0	81.5		37.1	40.0	92.7	12.8		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFUnA	41.4	40.0	103		33.6	40.0	84.0	20.7		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
EtFOSAA	40.0	40.0	100		35.9	40.0	89.8	10.8		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFDoA	52.1	40.0	130		42.5	40.0	106	20.3		70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFTrDA	48.7	40.0	122		52.7	40.0	132	7.96	H	60-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1
PFTeDA	42.0	40.0	105		57.2	40.0	143	30.7	H	70-130	200	30-Jan-18 20:21	1	30-Jan-18 20:32	1

Labeled Standards	Type	LCS % Rec	LCS Quals	LCSD % Rec	LCSD Quals	Limits	LCS Analyzed	LCS Dil	LCSD Analyzed	LCSD Dil
13C3-PFBS	IS	109		104		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFHxA	IS	102		94.3		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C4-PFHpA	IS	104		98.7		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
18O2-PFHxS	IS	112		111		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFOA	IS	94.4		85.0		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C8-PFOS	IS	89.6		91.8		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C5-PFNA	IS	84.6		81.9		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFDA	IS	81.2		58.2		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
d3-MeFOSAA	IS	101		64.8		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFUnA	IS	69.8		58.4		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
d5-EtFOSAA	IS	100		67.3		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFDoA	IS	70.2		65.7		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1
13C2-PFTeDA	IS	71.0		50.9		50-150	30-Jan-18 20:21	1	30-Jan-18 20:32	1

Sample ID: EB02-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Blank Water
Date Collected: 16-Jan-18 12:00

Laboratory Data

Lab Sample: 1800127-01
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.826	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFHxA	ND	1.01	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFHpA	ND	0.273	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFHxS	ND	0.437	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFOA	ND	0.301	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFOS	ND	0.373	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFNA	ND	0.374	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFDA	ND	0.688	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
MeFOSAA	ND	0.762	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFUnA	ND	0.485	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
EtFOSAA	ND	0.633	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFDoA	ND	0.366	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFTrDA	ND	0.228	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
PFTeDA	ND	0.349	2.31	3.69		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	93.5	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFHxA	IS	89.0	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C4-PFHpA	IS	81.8	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
18O2-PFHxS	IS	89.3	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFOA	IS	87.2	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C8-PFOS	IS	85.7	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C5-PFNA	IS	68.7	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFDA	IS	72.8	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
d3-MeFOSAA	IS	56.6	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFUnA	IS	47.8	50 - 150	H	B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
d5-EtFOSAA	IS	52.8	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFDoA	IS	53.7	50 - 150		B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	1
13C2-PFTeDA	IS	45.2	50 - 150	H	B8A0140	25-Jan-18	0.271 L	30-Jan-18 20:55	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: IRSite1-GW-01W53A-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 08:00

Laboratory Data

Lab Sample: 1800127-02
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	8.27	0.849	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFHxA	62.9	1.03	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFHpA	35.6	0.280	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFHxS	96.5	0.449	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFOA	75.8	0.309	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFOS	20.7	0.383	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFNA	2.40	0.384	2.37	3.79	J	B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFDA	ND	0.706	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
MeFOSAA	ND	0.782	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFUnA	ND	0.498	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
EtFOSAA	ND	0.649	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFDoA	ND	0.375	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFTrDA	ND	0.234	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
PFTeDA	ND	0.358	2.37	3.79		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	105	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFHxA	IS	93.6	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C4-PFHpA	IS	97.6	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
18O2-PFHxS	IS	107	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFOA	IS	83.4	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C8-PFOS	IS	93.5	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C5-PFNA	IS	92.6	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFDA	IS	92.6	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
d3-MeFOSAA	IS	84.4	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFUnA	IS	75.5	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
d5-EtFOSAA	IS	86.3	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFDoA	IS	88.2	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	1
13C2-PFTeDA	IS	74.6	50 - 150		B8A0140	25-Jan-18	0.264 L	30-Jan-18 21:06	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: IRSite1-GW-MW80A-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 08:40

Laboratory Data

Lab Sample: 1800127-03
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.953	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFHxA	29.1	1.16	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFHpA	10.1	0.315	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFHxS	4.64	0.504	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFOA	120	0.347	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFOS	ND	0.430	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFNA	ND	0.431	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFDA	ND	0.794	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
MeFOSAA	ND	0.879	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFUnA	ND	0.559	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
EtFOSAA	ND	0.730	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFDoA	ND	0.422	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFTrDA	ND	0.263	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
PFTeDA	ND	0.402	2.66	4.26		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	111	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFHxA	IS	95.6	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C4-PFHpA	IS	109	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
18O2-PFHxS	IS	99.0	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFOA	IS	96.9	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C8-PFOS	IS	101	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C5-PFNA	IS	83.2	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFDA	IS	90.1	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
d3-MeFOSAA	IS	58.2	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFUnA	IS	57.5	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
d5-EtFOSAA	IS	75.2	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFDoA	IS	76.0	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	1
13C2-PFTeDA	IS	63.3	50 - 150		B8A0140	25-Jan-18	0.235 L	30-Jan-18 21:18	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: IRSite1-GW-01W28B-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 09:20

Laboratory Data

Lab Sample: 1800127-04
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.810	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFHxA	ND	0.987	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFHpA	ND	0.268	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFHxS	ND	0.429	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFOA	ND	0.295	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFOS	ND	0.365	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFNA	ND	0.367	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFDA	ND	0.675	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
MeFOSAA	ND	0.747	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFUnA	ND	0.475	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
EtFOSAA	ND	0.620	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFDoA	ND	0.359	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFTrDA	ND	0.224	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
PFTeDA	ND	0.342	2.26	3.62		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	106	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFHxA	IS	100	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C4-PFHpA	IS	92.1	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
18O2-PFHxS	IS	99.8	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFOA	IS	94.4	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C8-PFOS	IS	78.2	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C5-PFNA	IS	83.0	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFDA	IS	92.3	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
d3-MeFOSAA	IS	87.2	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFUnA	IS	109	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
d5-EtFOSAA	IS	85.7	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFDoA	IS	93.1	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	1
13C2-PFTeDA	IS	94.0	50 - 150		B8A0140	25-Jan-18	0.276 L	30-Jan-18 21:29	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: IRSite1-GW-01W38AR-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 09:40

Laboratory Data

Lab Sample: 1800127-05
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	12.5	0.841	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFHxA	62.7	1.02	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFHpA	33.0	0.278	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFHxS	35.8	0.445	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFOA	124	0.306	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFOS	78.3	0.379	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFNA	ND	0.380	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFDA	ND	0.700	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
MeFOSAA	ND	0.775	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFUnA	ND	0.493	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
EtFOSAA	5.96	0.643	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFDoA	ND	0.372	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFTrDA	ND	0.232	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
PFTeDA	ND	0.355	2.35	3.76		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	110	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFHxA	IS	103	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C4-PFHpA	IS	111	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
18O2-PFHxS	IS	106	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFOA	IS	92.9	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C8-PFOS	IS	96.6	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C5-PFNA	IS	81.7	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFDA	IS	89.3	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
d3-MeFOSAA	IS	93.2	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFUnA	IS	99.2	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
d5-EtFOSAA	IS	84.7	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFDoA	IS	83.7	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	1
13C2-PFTeDA	IS	104	50 - 150		B8A0140	25-Jan-18	0.266 L	30-Jan-18 21:41	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: IRSite1-GW-MW86A-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 10:30

Laboratory Data

Lab Sample: 1800127-06
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.839	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFHxA	21.9	1.02	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFHpA	5.35	0.277	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFHxS	ND	0.444	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFOA	26.2	0.305	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFOS	0.938	0.378	2.34	3.75	J	B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFNA	ND	0.380	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFDA	ND	0.699	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
MeFOSAA	ND	0.774	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFUnA	ND	0.492	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
EtFOSAA	ND	0.642	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFDoA	ND	0.371	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFTrDA	ND	0.232	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
PFTeDA	ND	0.354	2.34	3.75		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	93.0	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFHxA	IS	83.4	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C4-PFHpA	IS	91.9	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
18O2-PFHxS	IS	106	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFOA	IS	87.4	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C8-PFOS	IS	88.9	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C5-PFNA	IS	82.2	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFDA	IS	67.4	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
d3-MeFOSAA	IS	66.9	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFUnA	IS	78.9	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
d5-EtFOSAA	IS	67.2	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFDoA	IS	70.7	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	1
13C2-PFTeDA	IS	50.4	50 - 150		B8A0140	25-Jan-18	0.267 L	30-Jan-18 21:52	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: IRSite1-GW-MW85A-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 11:00

Laboratory Data

Lab Sample: 1800127-07
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.938	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFHxA	22.6	1.14	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFHpA	7.37	0.310	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFHxS	ND	0.496	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFOA	10.6	0.341	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFOS	ND	0.423	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFNA	ND	0.425	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFDA	ND	0.781	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
MeFOSAA	ND	0.865	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFUnA	ND	0.550	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
EtFOSAA	ND	0.718	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFDoA	ND	0.415	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFTrDA	ND	0.259	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
PFTeDA	ND	0.396	2.63	4.19		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	101	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFHxA	IS	91.4	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C4-PFHpA	IS	93.0	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
18O2-PFHxS	IS	107	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFOA	IS	95.6	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C8-PFOS	IS	88.0	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C5-PFNA	IS	100	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFDA	IS	87.8	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
d3-MeFOSAA	IS	69.3	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFUnA	IS	68.0	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
d5-EtFOSAA	IS	69.6	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFDoA	IS	75.1	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	1
13C2-PFTeDA	IS	77.0	50 - 150		B8A0140	25-Jan-18	0.238 L	30-Jan-18 22:04	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: DUP02-20180116

Modified EPA Method 537

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 11:05

Laboratory Data

Lab Sample: 1800127-08
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	ND	0.880	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFHxA	21.5	1.07	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFHpA	7.45	0.291	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFHxS	ND	0.466	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFOA	11.5	0.320	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFOS	ND	0.397	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFNA	ND	0.398	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFDA	ND	0.733	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
MeFOSAA	ND	0.811	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFUnA	ND	0.516	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
EtFOSAA	ND	0.674	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFDoA	ND	0.389	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFTrDA	ND	0.243	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
PFTeDA	ND	0.371	2.46	3.93		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	101	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFHxA	IS	97.9	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C4-PFHpA	IS	99.1	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
18O2-PFHxS	IS	101	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFOA	IS	92.0	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C8-PFOS	IS	93.9	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C5-PFNA	IS	79.2	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFDA	IS	101	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
d3-MeFOSAA	IS	61.2	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFUnA	IS	78.9	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
d5-EtFOSAA	IS	68.2	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFDoA	IS	68.4	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	1
13C2-PFTeDA	IS	66.2	50 - 150		B8A0140	25-Jan-18	0.254 L	30-Jan-18 22:15	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: IRSite1-GW-MW82A-20180116 **Modified EPA Method 537**

Client Data

Name: KMEA
Project: BRAC PFAS,Mare Island, Vallejo, CA-TO 0008
Matrix: Groundwater
Date Collected: 16-Jan-18 11:30

Laboratory Data

Lab Sample: 1800127-09
Date Received: 17-Jan-18 09:33
Column: BEH C18

Analyte	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBS	2.22	0.854	2.39	3.82	J	B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFHxA	14.6	1.04	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFHpA	8.41	0.282	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFHxS	4.38	0.452	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFOA	9.34	0.311	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFOS	12.8	0.385	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFNA	0.825	0.386	2.39	3.82	J	B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFDA	ND	0.711	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
MeFOSAA	ND	0.787	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFUnA	ND	0.501	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
EtFOSAA	ND	0.654	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFDoA	ND	0.378	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFTrDA	ND	0.236	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
PFTeDA	ND	0.360	2.39	3.82		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBS	IS	107	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFHxA	IS	103	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C4-PFHpA	IS	98.8	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
18O2-PFHxS	IS	106	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFOA	IS	95.1	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C8-PFOS	IS	88.5	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C5-PFNA	IS	91.4	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFDA	IS	82.8	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
d3-MeFOSAA	IS	64.3	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFUnA	IS	93.7	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
d5-EtFOSAA	IS	85.1	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFDoA	IS	86.7	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	1
13C2-PFTeDA	IS	71.4	50 - 150		B8A0140	25-Jan-18	0.262 L	30-Jan-18 22:27	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
Alaska Department of Environmental Conservation	17-013
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	1322288
New Hampshire Environmental Accreditation Program	207717
New Jersey Department of Environmental Protection	CA003
New York Department of Health	11411
Oregon Laboratory Accreditation Program	4042-008
Pennsylvania Department of Environmental Protection	014
Texas Commission on Environmental Quality	T104704189-17-8
Virginia Department of General Services	9077
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.

Vista Analytical

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

Vista PM: Martha Maier

1800127
0.5°C

CHAIN OF CUSTODY RECORD

DATE: 1/16/2018
PAGE: 1 OF 1

LABORATORY CLIENT: AMEC Foster Wheeler E & I, Inc.	CLIENT PROJECT NAME / NUMBER: BRAC PFAS, Mare Island, Vallejo, CA - TO 0008
ADDRESS: 9210 Sky Park Court	PROJECT CONTACT: Corey Guerrant/Marie Bevier
CITY: San Diego, CA 92123	SAMPLER(S): (SIGNATURE)
TEL: 503.639.3400 / E-Mail: corey.guerrant@woodplc.com / E-MAIL: marie.bevier@amecfw.com	P.O. NO.: KMEA PO 658 / 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.
+ Turbidity ~ 38 NTU

REQUESTED ANALYSIS

LAB USE ONLY	SAMPLE ID	SAMPLING DATE	SAMPLING TIME	Matrix	#Cont	QC Level	PFOA, PFOS, and PFBS (U.S. EPA 537 Mod.) GW	PFOA, PFOS, and PFBS (U.S. EPA 537) DW Supply
	EB02-20180116	1/16/18	12:00	BW	3		X	
	IRSite1-GW-01W53A-20180116		8:40	GW	3		X	
	IRSite1-GW-MW80A-20180116		8:40		3		X	
	IRSite1-GW-01W28B-20180116		9:20		3		X	
	IRSite1-GW-01W38AR-20180116		9:40		3	IV	X	
	IRSite1-GW-MW86A-20180116		10:30		3		X	
	IRSite1-GW-MW85A-20180116		11:00		3		X+	
	DUP02-20180116		11:05		3		X+	
	IRSite1-GW-MW82A-20180116		11:30		3		X	

Relinquished by: (Signature)	Received by: (Signature) / Carrier Tracking Number: FedEx	Date: 1/16/18	Time: 14:00
Relinquished by: (Signature) FedEx	Received by: (Signature) 1/17/18	Date: ~~1/18/18~~ IA 1/17/18	Time: 0949
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Vista Analytical Laboratory

Sample Log-in Checklist

Vista Work Order #: 1800127 **TAT** Std

Samples Arrival:	**Date/Time** 1/17/18 0933	**Initials:** IA	**Location:** WR-2 **Shelf/Rack:** N/A
Logged In:	**Date/Time** 01/18/18 1554	**Initials:** JBLB	**Location:** WR **Shelf/Rack:** E2

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

Temp °C: 0.6	(uncorrected)	**Time:** 0959	**Thermometer ID:** IR-4
Temp °C: 0.5	(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 2 of 2 Trk # 7893 7584 3547	✓		
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:

EXTRACTION INFORMATION

Process Sheet

Workorder: 1800127

Prep Expiration: 2018-Jan-30
Client: KMEA

Workorder Due: 07-Feb-18 00:00

TAT: 21

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

Prep Batch: BSA0140

Prep Data Entered: 1.26.18 JR
Date and Initials

Version: 537 (14 Analyte)
DoD: DoD QSM 5.1

Initial Sequence: S8A0087

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1800127-01	"A"	☑	☑	EB02-20180116		WR-2 E-2	HDPE Bottle, 250 mL
1800127-02		☑	☑	IRSite1-GW-01W53A-20180116		WR-2 E-2	HDPE Bottle, 250 mL
1800127-03		☑	☑	IRSite1-GW-MW80A-20180116		WR-2 E-2	HDPE Bottle, 250 mL
1800127-04		☑	☑	IRSite1-GW-01W28B-20180116		WR-2 E-2	HDPE Bottle, 250 mL
1800127-05		☑	☑	IRSite1-GW-01W38AR-20180116		WR-2 E-2	HDPE Bottle, 250 mL
1800127-06		☑	☑	IRSite1-GW-MW86A-20180116		WR-2 E-2	HDPE Bottle, 250 mL
1800127-07		☑	☑	IRSite1-GW-MW85A-20180116		WR-2 E-2	HDPE Bottle, 250 mL
1800127-08		☑	☑	DUP02-20180116		WR-2 E-2	HDPE Bottle, 250 mL
1800127-09		☑	☑	IRSite1-GW-MW82A-20180116		WR-2 E-2	HDPE Bottle, 250 mL

Placed in WR B-1 JC 1.24.18

Instrument to request dilutions of extracts when running on foamy appearing samples 1:10 JC 1.24.18

Pre-Prep Check Out: HB 1/24/18

Pre-Prep Check In: ~~NA~~ JC 1.24.18

Prep Check Out: KC 1/25/18

Prep Check In: NA

Prep Reconciled Initals/Date: HB 1/24/18

Spike Reconciled Initals/Date: KC 1/25/18

VialBoxID: Ring Leader Hector

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS

Method: 537M PFAS DOD (LOQ as mRL)

B8A0140

Chemist: KC

Prep Date/Time: ~~24-Jan-18 11:08~~ 25 8:00 KC 1/25/18

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: HB 1/24/18 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
☐	B8A0140-BLK1 (A)(C)	5	2	0	4	NA	NA	(0.250)	KC MA 1/25/18	KC 7R 1/25/18	KC 7R 1/25/18
☐	B8A0140-BS1 (A)	5	2	0	4	↓	↓	(0.250)	↓	↓	↓
☐	B8A0140-BSD1 (A)	5	2	0	4	↓	↓	(0.250)	↓	↓	↓
☐	1800127-01	4	2	0	6	298.58	27.84	0.27074	↓	↓	↓
☒	1800127-02 (B)	7	2	0	6	291.56	27.87	0.26369	↓	↓	↓
☒	1800127-03 (B)	6	2	0	6	262.64	27.93	0.23471	↓	↓	↓
☒	1800127-04	7	2	0	20 HB 1.27.18	304.00	27.91	0.27609	↓	↓	↓
☒	1800127-05 (B)	6	2	0	10	293.37	27.24	0.26613	↓	↓	↓
☒	1800127-06 (B)	6	2	0	16	293.85	27.26	0.26659	↓	↓	↓
☒	1800127-07 (B)	7	2	0	26	266.34	27.86	0.23848	↓	↓	↓
☒	1800127-08	7	2	0	28	282.16	27.91	0.25425	↓	↓	↓
☐	1800127-09	6	2	0	10	289.82	27.81	0.26201	↓	↓	↓
☐	1800139-01 (C)	7	2	0	4	301.78	27.11	0.27467	↓	↓	↓
☐	1800139-02	7	2	0	4	301.50	27.56	0.27394	↓	↓	↓

IS: 172601, 10µL (V6)

(C) ISSUP: 172701, 20mL (V3)

NS: 172103, 10mL (V3)

RS: 17L2332, 10µL (V6)

SPE Chem: Strata-X-AW 33µm 200mg/6mL

Ele SOLV: MeOH/.5%NH4OH in MeOH

Final Volume(s) 1 mL

Notes (A) 1.25 grams Trizma preservative added to QCs. HB 1/24/18

(B) Sample is foamy TR 1-24-18

(C) ISsup added. KC 1/25/18

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

Batch: B8A0140

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1800127-01	0.27074	NA	NA	1000	25-Jan-18 08:00	KC			Blank Water	537M PFAS DOD (LOQ as
1800127-02	0.26369			1000	25-Jan-18 08:00	KC			Groundwater	537M PFAS DOD (LOQ as
1800127-03	0.23471			1000	25-Jan-18 08:00	KC			Groundwater	537M PFAS DOD (LOQ as
1800127-04	0.27609			1000	25-Jan-18 08:00	KC			Groundwater	537M PFAS DOD (LOQ as
1800127-05	0.26613			1000	25-Jan-18 08:00	KC			Groundwater	537M PFAS DOD (LOQ as
1800127-06	0.26659			1000	25-Jan-18 08:00	KC			Groundwater	537M PFAS DOD (LOQ as
1800127-07	0.23848			1000	25-Jan-18 08:00	KC			Groundwater	537M PFAS DOD (LOQ as
1800127-08	0.25425			1000	25-Jan-18 08:00	KC			Groundwater	537M PFAS DOD (LOQ as
1800127-09	0.26201			1000	25-Jan-18 08:00	KC			Groundwater	537M PFAS DOD (LOQ as
1800139-01	0.27467			1000	25-Jan-18 08:00	KC			Drinking Water	537M PFAS
1800139-02	0.27394			1000	25-Jan-18 08:00	KC			Surface Water	537M PFAS
B8A0140-BLK1	0.25			1000	25-Jan-18 08:00	KC				QC
B8A0140-BS1	0.25			1000	25-Jan-18 08:00	KC	17L2103	10		QC
B8A0140-BSD1	0.25			1000	25-Jan-18 08:00	KC	17L2103	10		QC

JR 1.26.18

SAMPLE DATA – MODIFIED EPA METHOD 537

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-49.qld

Last Altered: Saturday, February 03, 2018 15:55:33 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:02:29 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_49, Date: 30-Jan-2018, Time: 20:44:00, ID: B8A0140-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.30e3	0.250		2.56				
2	5	PFHxA	313.2 > 268.9		3.33e3	0.250		3.05				
3	7	PFHpA	363.0 > 318.9		7.27e3	0.250		3.68				
4	8	L-PFHxS	398.9 > 79.6	3.71e0	8.32e2	0.250		3.80	3.81	0.0557	0.0816	
5	11	L-PFOA	413 > 368.7		1.19e4	0.250		4.20				
6	14	PFNA	463.0 > 418.8		9.28e3	0.250		4.65				
7	16	L-PFOS	499 > 79.9		2.39e3	0.250		4.75				
8	18	PFDA	513 > 468.8		6.62e3	0.250		5.03				
9	21	N-MeFOSAA	570.1 > 419		3.28e3	0.250		5.20				
10	22	N-EtFOSAA	584.2 > 419		3.64e3	0.250		5.30				
11	23	PFUdA	563.0 > 518.9	3.07e1	8.37e3	0.250		5.36	5.33	0.0459	0.0613	

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-49.qld

Last Altered: Saturday, February 03, 2018 15:55:33 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:02:48 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_49, Date: 30-Jan-2018, Time: 20:44:00, ID: B8A0140-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		7.22e3	0.250		5.65				
2	27	PFTrDA	662.9 > 618.9		2.99e3	0.250		5.90				
3	28	PFTeDA	712.9 > 668.8		2.99e3	0.250		6.12				
4	36	13C3-PFBS	302. > 98.8	1.30e3	1.09e4	0.250	0.109	2.56	2.55	1.49	54.6783	109.4
5	37	13C2-PFHxA	315 > 269.8	3.33e3	1.09e4	0.250	0.684	3.05	3.04	3.83	22.3913	112.0
6	38	13C4-PFHpA	367.2 > 321.8	7.27e3	1.09e4	0.250	0.732	3.68	3.66	8.37	45.7132	91.4
7	39	18O2-PFHxS	403.0 > 102.6	8.32e2	2.77e3	0.250	0.318	3.80	3.81	3.75	47.1418	94.3
8	40	13C2-6:2 FTS	429.1 > 408.9	2.40e3	1.15e4	0.250	0.263	4.15	4.13	2.61	39.6666	79.3
9	41	13C2-PFOA	414.9 > 369.7	1.19e4	1.15e4	0.250	1.120	4.20	4.18	12.9	46.0445	92.1
10	42	13C5-PFNA	468.2 > 422.9	9.28e3	1.01e4	0.250	0.921	4.65	4.62	11.5	49.8320	99.7
11	43	13C8-PFOSA	506.1 > 77.7	1.74e3	1.42e4	0.250	0.245	4.70	4.68	1.53	25.0832	50.2
12	44	13C8-PFOS	507.0 > 79.9	2.39e3	2.24e3	0.250	1.034	4.75	4.70	13.3	51.5170	103.0
13	45	13C2-PFDA	515.1 > 469.9	6.62e3	1.09e4	0.250	1.080	5.03	4.99	7.61	28.1977	56.4
14	46	13C2-8:2 FTS	529.1 > 508.7	1.60e3	1.09e4	0.250	0.165	5.00	4.96	1.84	44.7120	89.4
15	47	d3-N-MeFOSAA	573.3 > 419	3.28e3	1.42e4	0.250	0.398	5.20	5.14	2.89	29.1020	58.2
16	48	d5-N-EtFOSAA	589.3 > 419	3.64e3	1.42e4	0.250	0.425	5.30	5.30	3.21	30.2102	60.4
17	49	13C2-PFUdA	565 > 519.8	8.37e3	1.42e4	0.250	1.047	5.36	5.32	7.39	28.2064	56.4
18	50	13C2-PFDoA	615.0 > 569.7	7.22e3	1.42e4	0.250	0.805	5.65	5.60	6.37	31.6577	63.3
19	52	13C2-PFTeDA	714.8 > 669.6	2.99e3	1.42e4	0.250	0.367	6.12	6.07	2.64	28.7587	57.5
20	57	13C4-PFBA	217. > 171.8	9.23e3	9.23e3	0.250	1.000	1.30	1.31	12.5	50.0000	100.0
21	58	13C5-PFHxA	318 > 272.9	1.09e4	1.09e4	0.250	1.000	3.05	3.04	12.5	50.0000	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.77e3	2.77e3	0.250	1.000	3.80	3.81	12.5	50.0000	100.0
23	60	13C8-PFOA	421.3 > 376	1.15e4	1.15e4	0.250	1.000	4.20	4.18	12.5	50.0000	100.0
24	61	13C9-PFNA	472.2 > 426.9	1.01e4	1.01e4	0.250	1.000	4.65	4.62	12.5	50.0000	100.0
25	62	13C4-PFOS	503 > 79.9	2.24e3	2.24e3	0.250	1.000	4.60	4.70	12.5	50.0000	100.0
26	63	13C6-PFDA	519.1 > 473.7	1.09e4	1.09e4	0.250	1.000	5.03	4.99	12.5	50.0000	100.0
27	64	13C7-PFUdA	570.1 > 524.8	1.42e4	1.42e4	0.250	1.000	5.36	5.32	12.5	50.0000	100.0
28	65	Total PFHxS	398.9 > 79.6	3.71e0	8.32e2	0.250		3.70		0.0557	0.0816	
29	66	Total PFOA	413 > 368.7	0.00e0	1.19e4	0.250		4.20		0.000		
30	67	Total PFOS	499 > 79.9	0.00e0	2.39e3	0.250		4.70		0.000		
31	68	Total N-MeFOSAA	570.1 > 419	0.00e0	3.28e3	0.250		5.20		0.000		
32	69	Total N-EtFOSAA	584.2 > 419	0.00e0	3.64e3	0.250		5.30		0.000		

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

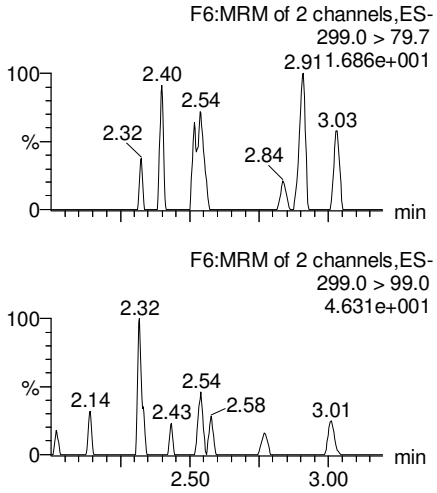
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-49.qld

Last Altered: Saturday, February 03, 2018 15:55:33 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:02:48 Pacific Standard Time

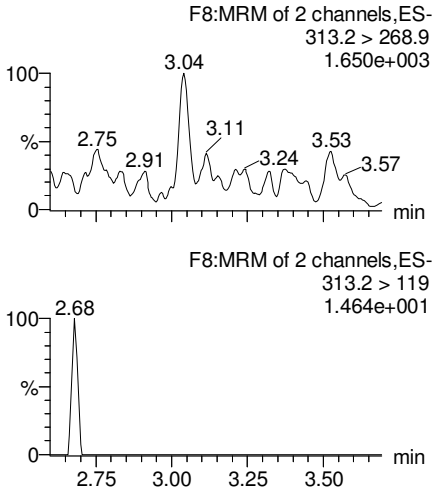
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_49, Date: 30-Jan-2018, Time: 20:44:00, ID: B8A0140-BLK1 Method Blank 0.25, Description: Method Blank

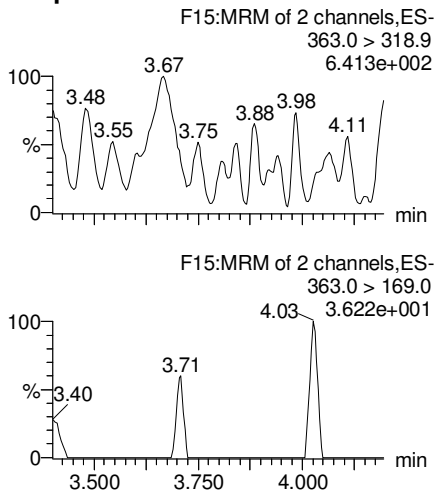
PFBS



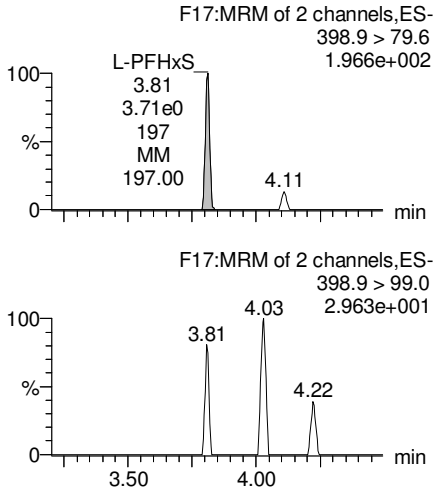
PFHxA



PFHpA



Total PFHxS



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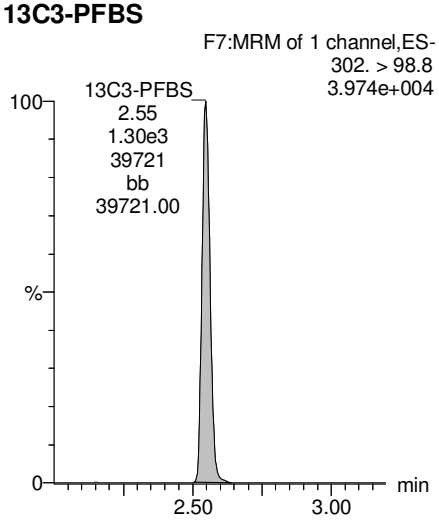

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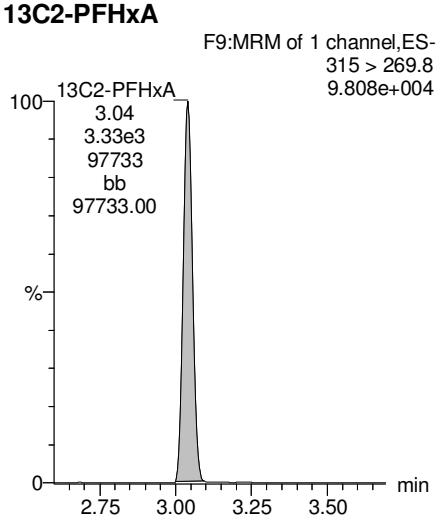

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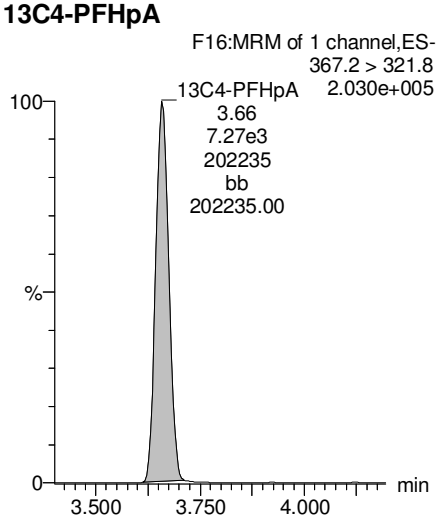

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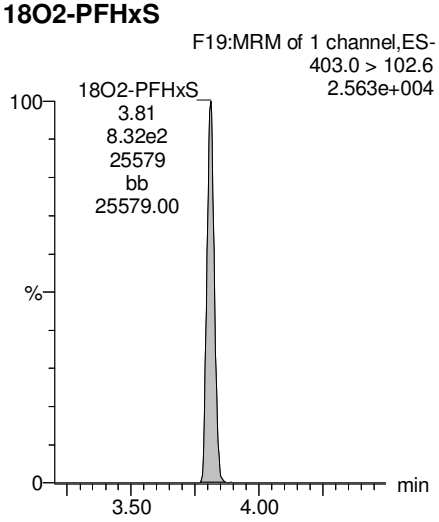

MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-49.qld

Last Altered: Saturday, February 03, 2018 15:55:33 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:02:48 Pacific Standard Time

Name: 180130M2_49, Date: 30-Jan-2018, Time: 20:44:00, ID: B8A0140-BLK1 Method Blank 0.25, Description: Method Blank

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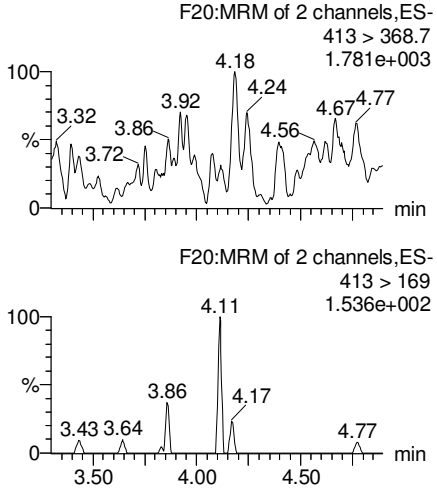

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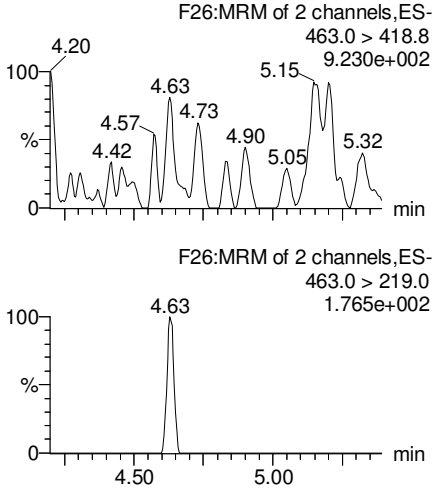
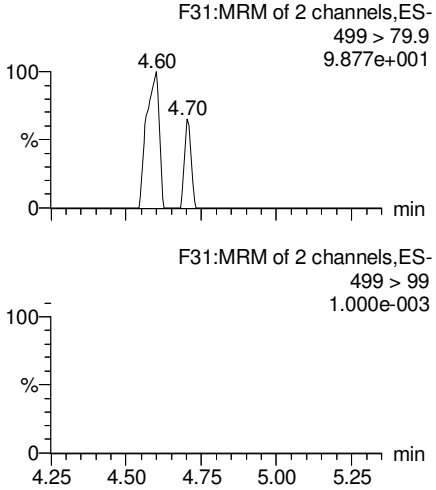


Total PFOS



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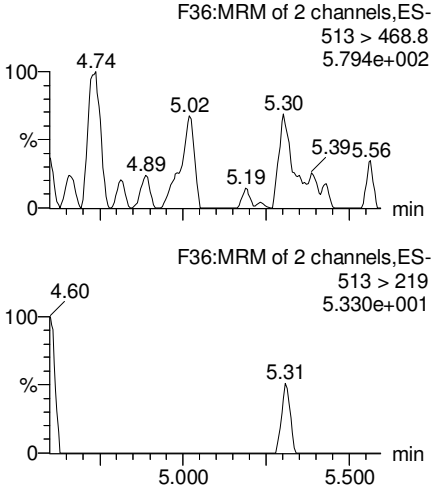

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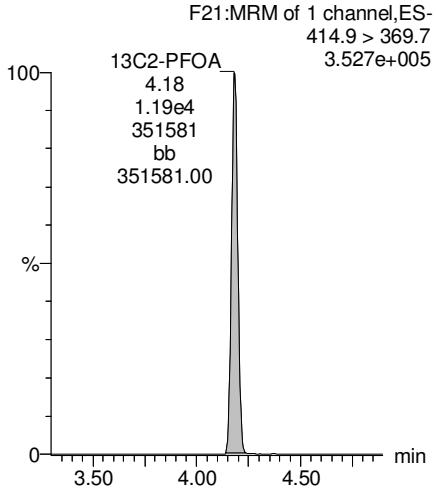

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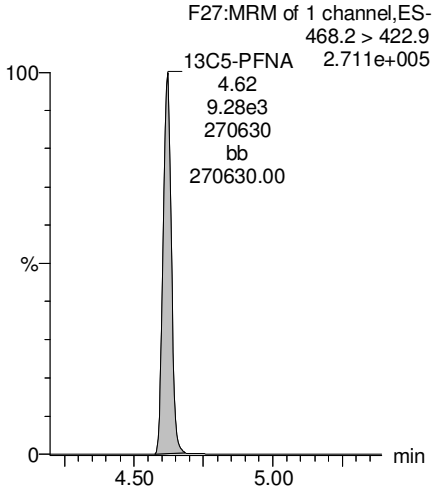

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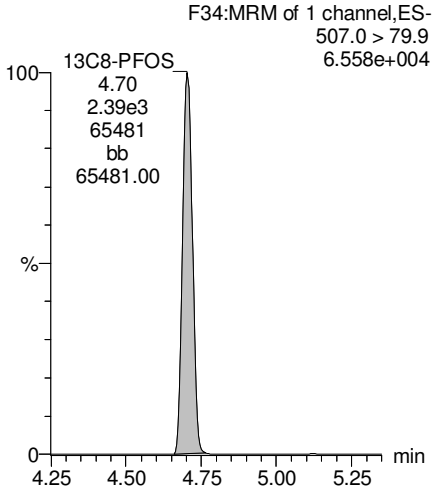
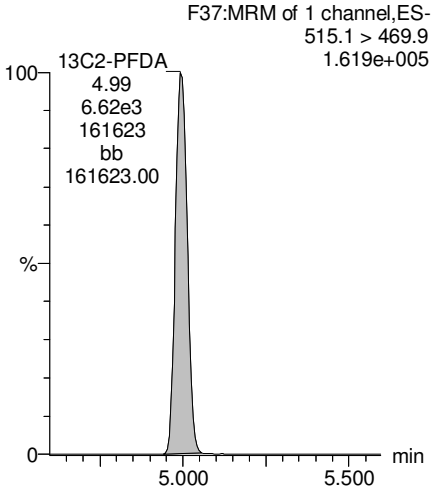


13C2-PFDA



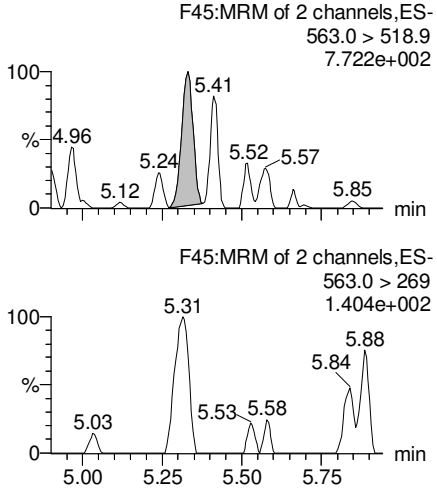
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-49.qld

Last Altered: Saturday, February 03, 2018 15:55:33 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:02:48 Pacific Standard Time

Name: 180130M2_49, Date: 30-Jan-2018, Time: 20:44:00, ID: B8A0140-BLK1 Method Blank 0.25, Description: Method Blank

PFUdA



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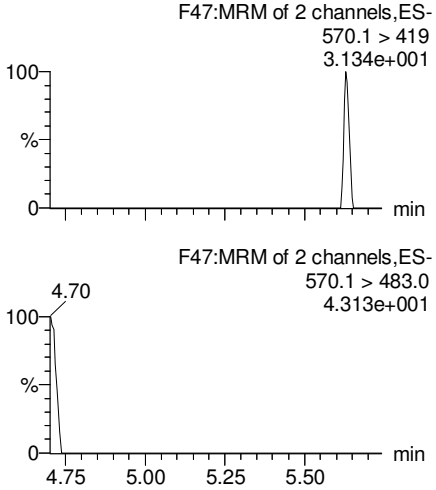

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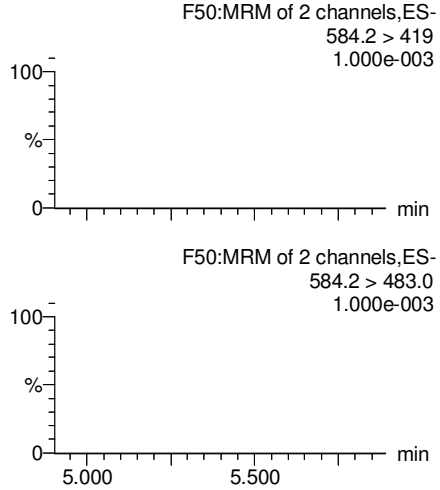
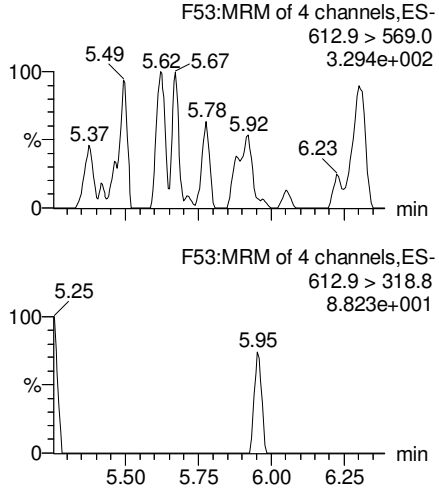


PFDoA



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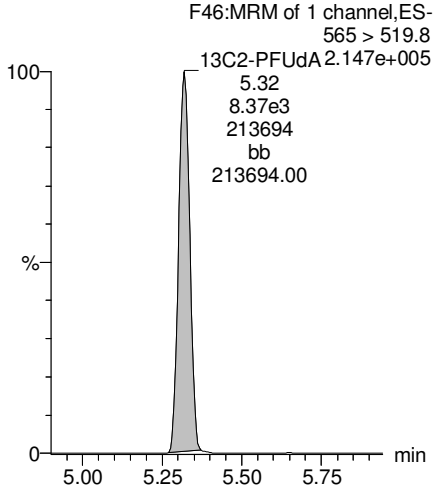

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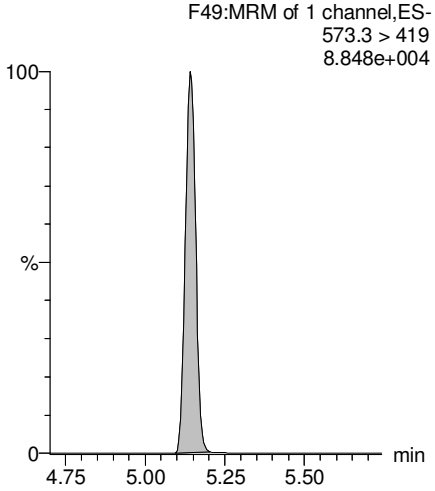

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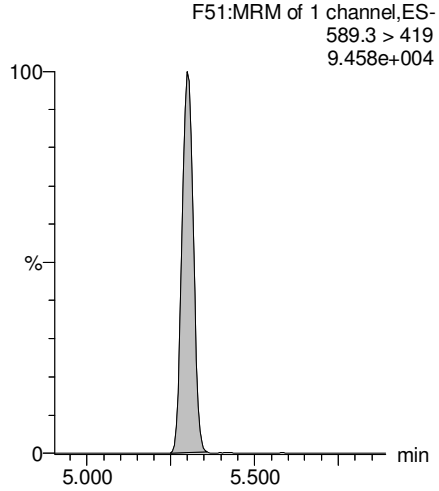
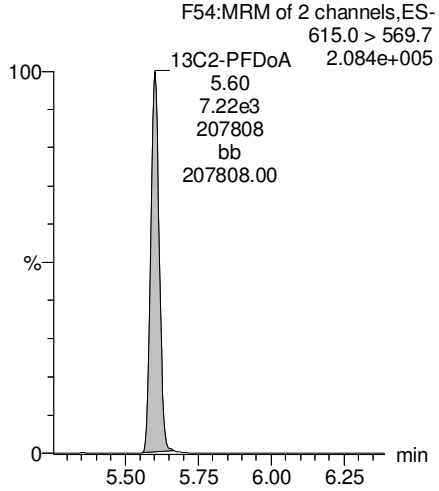


13C2-PFDoA



MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-49.qld

Last Altered: Saturday, February 03, 2018 15:55:33 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:02:48 Pacific Standard Time

Name: 180130M2_49, Date: 30-Jan-2018, Time: 20:44:00, ID: B8A0140-BLK1 Method Blank 0.25, Description: Method Blank

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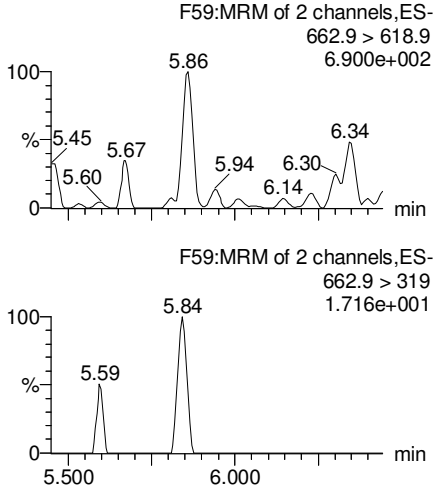

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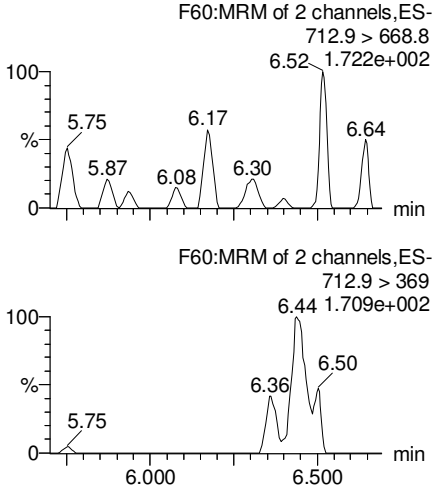

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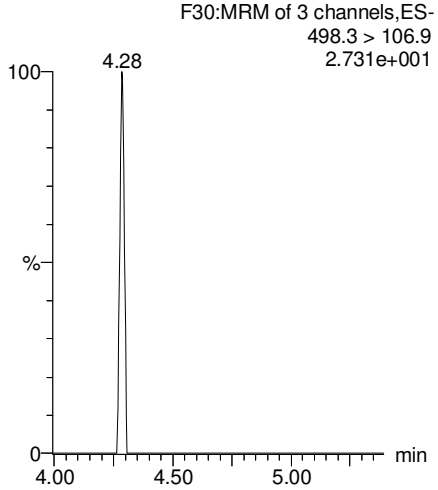
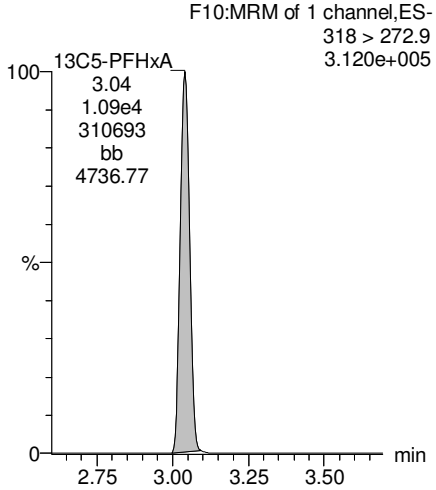


13C5-PFHxA



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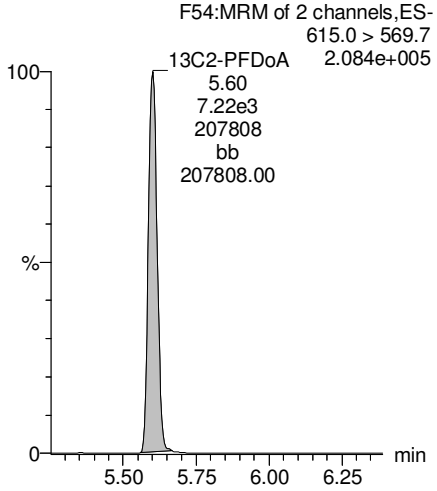

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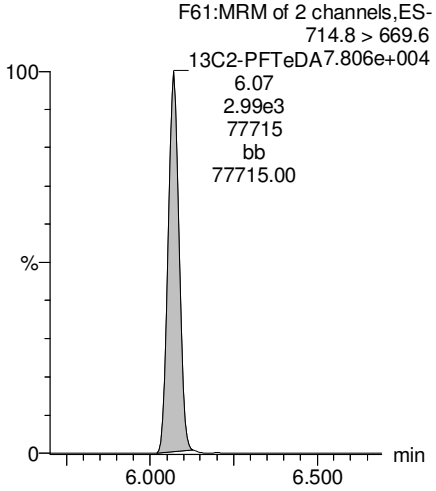
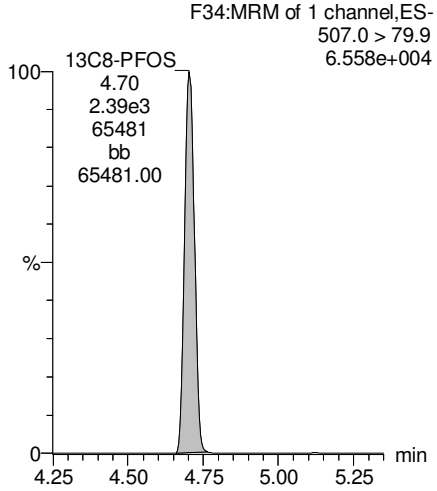


13C8-PFOS



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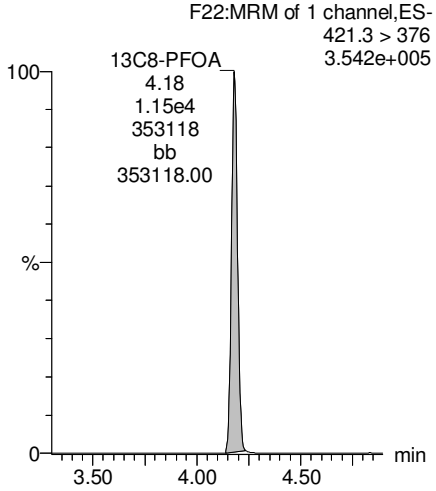

MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-49.qld

Last Altered: Saturday, February 03, 2018 15:55:33 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:02:48 Pacific Standard Time

Name: 180130M2_49, Date: 30-Jan-2018, Time: 20:44:00, ID: B8A0140-BLK1 Method Blank 0.25, Description: Method Blank

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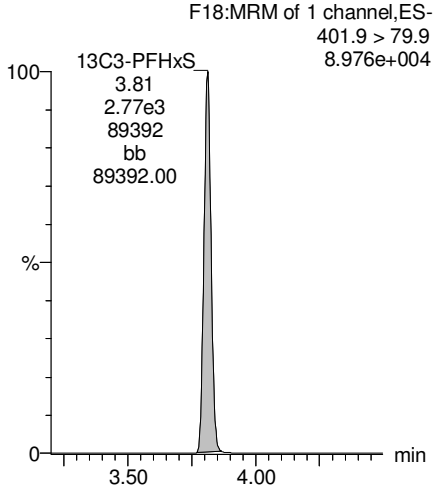

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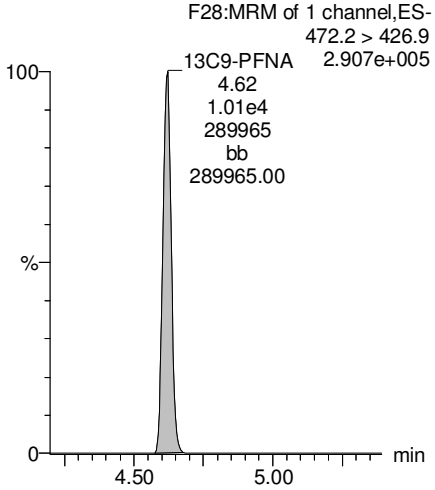
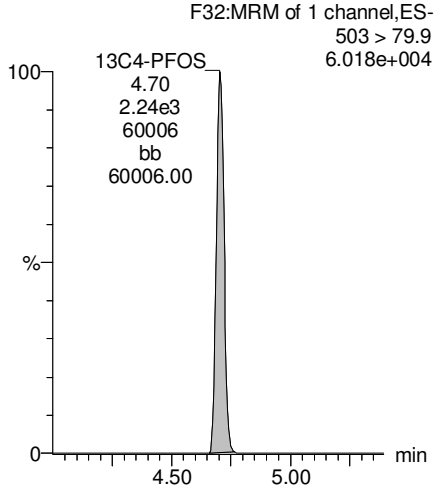
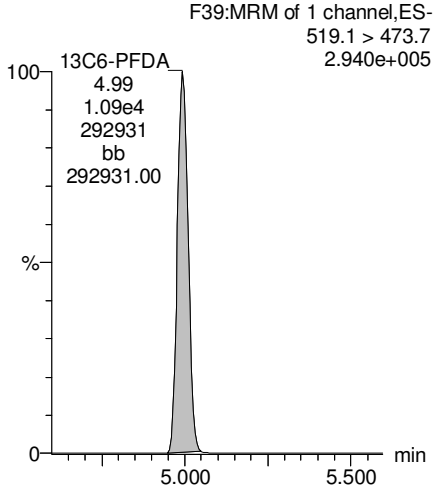


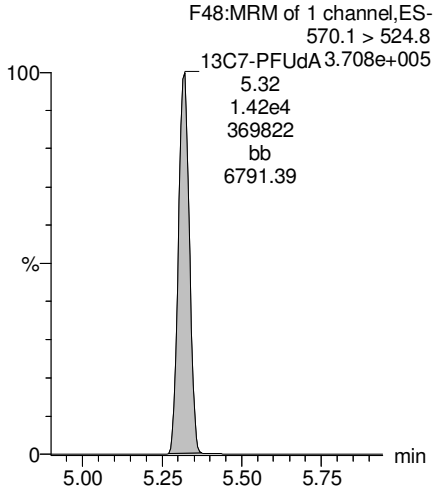
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-47.qld

Last Altered: Saturday, February 03, 2018 15:37:50 Pacific Standard Time
Printed: Saturday, February 03, 2018 15:58:34 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_47, Date: 30-Jan-2018, Time: 20:21:00, ID: B8A0140-BS1 OPR 0.25, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	1.60e3	1.17e3	0.250		2.56	2.54	17.1	37.7829	94.5
2	5	PFHxA	313.2 > 268.9	8.26e3	2.74e3	0.250		3.05	3.04	15.0	37.3783	93.4
3	7	PFHpA	363.0 > 318.9	6.46e3	7.48e3	0.250		3.68	3.66	10.8	36.2206	90.6
4	8	L-PFHxS	398.9 > 79.6	1.17e3	8.58e2	0.250		3.80	3.81	17.1	36.7544	91.9
5	11	L-PFOA	413 > 368.7	7.56e3	1.09e4	0.250		4.20	4.18	8.70	32.9133	82.3
6	14	PFNA	463.0 > 418.8	6.99e3	7.35e3	0.250		4.65	4.62	11.9	38.3074	95.8
7	16	L-PFOS	499 > 79.9	1.97e3	2.11e3	0.250		4.75	4.70	11.7	43.8045	109.5
8	18	PFDA	513 > 468.8	6.33e3	7.90e3	0.250		5.03	4.99	10.0	30.6275	76.6
9	21	N-MeFOSAA	570.1 > 419	3.43e3	3.36e3	0.250		5.20	5.15	12.8	32.5986	81.5
10	22	N-EtFOSAA	584.2 > 419	3.15e3	3.59e3	0.250		5.30	5.30	11.0	40.0426	100.1
11	23	PFUdA	563.0 > 518.9	5.98e3	6.15e3	0.250		5.36	5.31	12.2	41.3736	103.4

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-47.qld

Last Altered: Saturday, February 03, 2018 15:37:50 Pacific Standard Time
Printed: Saturday, February 03, 2018 15:58:49 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_47, Date: 30-Jan-2018, Time: 20:21:00, ID: B8A0140-BS1 OPR 0.25, Description: OPR

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0	7.36e3	4.75e3	0.250		5.65	5.60	19.4	52.0681	130.2
2	27	PFTrDA	662.9 > 618.9	8.02e3	2.19e3	0.250		5.90	5.85	45.8	48.6845	121.7
3	28	PFTeDA	712.9 > 668.8	4.25e3	2.19e3	0.250		6.12	6.07	24.2	42.0085	105.0
4	36	13C3-PFBS	302. > 98.8	1.17e3	9.85e3	0.250	0.109	2.56	2.55	1.49	54.5627	109.1
5	37	13C2-PFHxA	315 > 269.8	2.74e3	9.85e3	0.250	0.684	3.05	3.04	3.48	20.3666	101.8
6	38	13C4-PFHpA	367.2 > 321.8	7.48e3	9.85e3	0.250	0.732	3.68	3.66	9.48	51.8110	103.6
7	39	18O2-PFHxS	403.0 > 102.6	8.58e2	2.41e3	0.250	0.318	3.80	3.81	4.45	55.9397	111.9
8	40	13C2-6:2 FTS	429.1 > 408.9	2.29e3	1.03e4	0.250	0.263	4.15	4.12	2.79	42.3916	84.8
9	41	13C2-PFOA	414.9 > 369.7	1.09e4	1.03e4	0.250	1.120	4.20	4.18	13.2	47.2049	94.4
10	42	13C5-PFNA	468.2 > 422.9	7.35e3	9.43e3	0.250	0.921	4.65	4.62	9.74	42.3075	84.6
11	43	13C8-PFOSA	506.1 > 77.7	1.56e3	8.41e3	0.250	0.245	4.70	4.68	2.32	37.8922	75.8
12	44	13C8-PFOS	507.0 > 79.9	2.11e3	2.27e3	0.250	1.034	4.75	4.70	11.6	44.8237	89.6
13	45	13C2-PFDA	515.1 > 469.9	7.90e3	9.01e3	0.250	1.080	5.03	4.99	11.0	40.5853	81.2
14	46	13C2-8:2 FTS	529.1 > 508.7	1.40e3	9.85e3	0.250	0.165	5.00	4.96	1.78	43.1878	86.4
15	47	d3-N-MeFOSAA	573.3 > 419	3.36e3	8.41e3	0.250	0.398	5.20	5.14	5.00	50.2551	100.5
16	48	d5-N-EtFOSAA	589.3 > 419	3.59e3	8.41e3	0.250	0.425	5.30	5.30	5.33	50.2195	100.4
17	49	13C2-PFUdA	565 > 519.8	6.15e3	8.41e3	0.250	1.047	5.36	5.32	9.14	34.9144	69.8
18	50	13C2-PFDoA	615.0 > 569.7	4.75e3	8.41e3	0.250	0.805	5.65	5.60	7.07	35.1114	70.2
19	52	13C2-PFTeDA	714.8 > 669.6	2.19e3	8.41e3	0.250	0.367	6.12	6.07	3.26	35.5154	71.0
20	57	13C4-PFBA	217. > 171.8	8.56e3	8.56e3	0.250	1.000	1.30	1.31	12.5	50.0000	100.0
21	58	13C5-PFHxA	318 > 272.9	9.85e3	9.85e3	0.250	1.000	3.05	3.04	12.5	50.0000	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.41e3	2.41e3	0.250	1.000	3.80	3.80	12.5	50.0000	100.0
23	60	13C8-PFOA	421.3 > 376	1.03e4	1.03e4	0.250	1.000	4.20	4.18	12.5	50.0000	100.0
24	61	13C9-PFNA	472.2 > 426.9	9.43e3	9.43e3	0.250	1.000	4.65	4.62	12.5	50.0000	100.0
25	62	13C4-PFOS	503 > 79.9	2.27e3	2.27e3	0.250	1.000	4.60	4.70	12.5	50.0000	100.0
26	63	13C6-PFDA	519.1 > 473.7	9.01e3	9.01e3	0.250	1.000	5.03	4.99	12.5	50.0000	100.0
27	64	13C7-PFUdA	570.1 > 524.8	8.41e3	8.41e3	0.250	1.000	5.36	5.31	12.5	50.0000	100.0
28	65	Total PFHxS	398.9 > 79.6	1.17e3	8.58e2	0.250		3.70		17.1	36.7544	
29	66	Total PFOA	413 > 368.7	7.56e3	1.09e4	0.250		4.20		8.70	32.9133	
30	67	Total PFOS	499 > 79.9	1.97e3	2.11e3	0.250		4.70		11.7	43.8045	
31	68	Total N-MeFOSAA	570.1 > 419	3.43e3	3.36e3	0.250		5.20		12.8	32.5986	
32	69	Total N-EtFOSAA	584.2 > 419	3.15e3	3.59e3	0.250		5.30		11.0	40.0426	

MSF 2/3/18

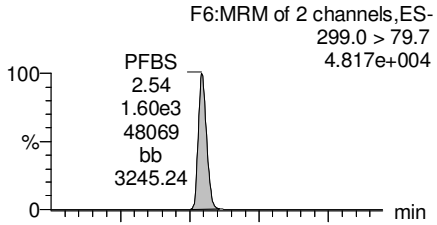
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-47.qld

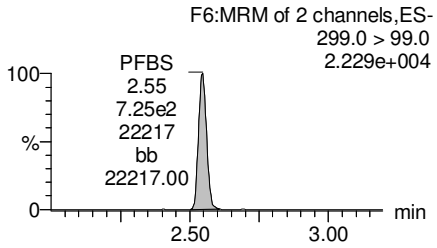
Last Altered: Saturday, February 03, 2018 15:37:50 Pacific Standard Time
Printed: Saturday, February 03, 2018 15:58:49 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_47, Date: 30-Jan-2018, Time: 20:21:00, ID: B8A0140-BS1 OPR 0.25, Description: OPR

PFBS





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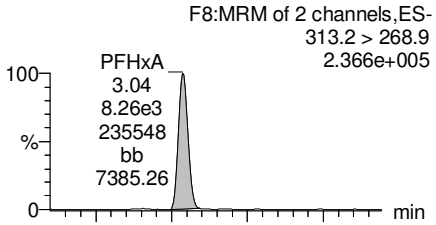

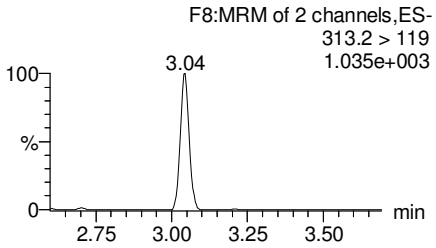

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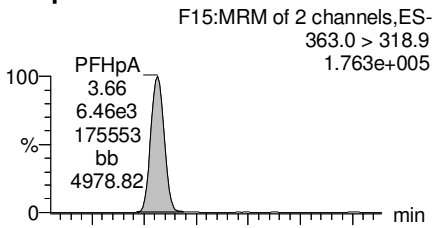

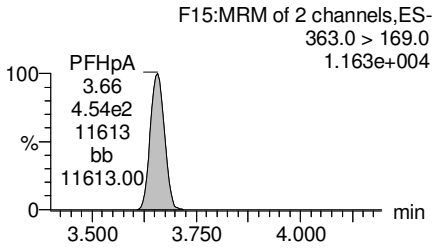

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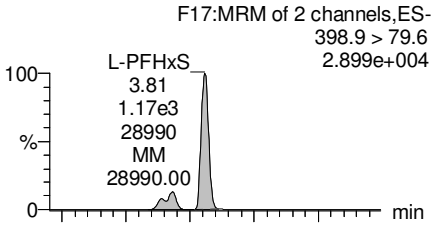

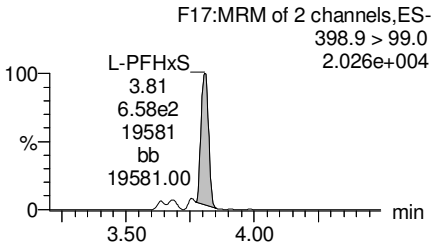

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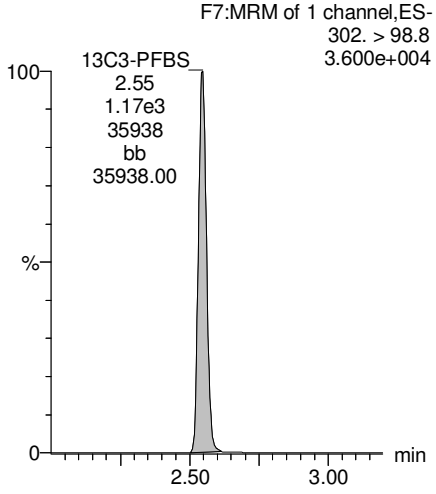
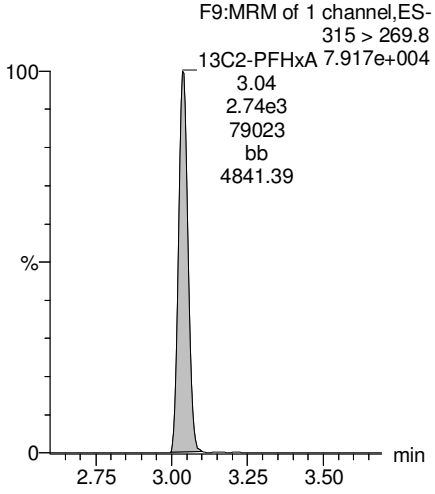
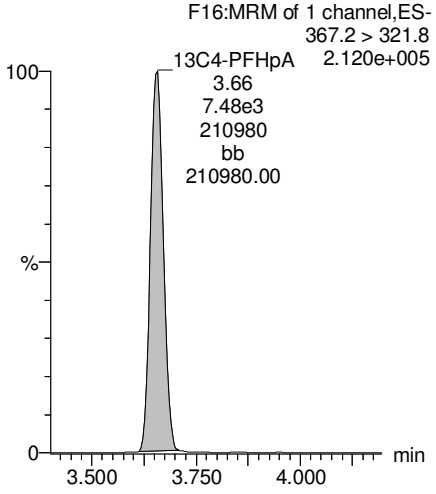


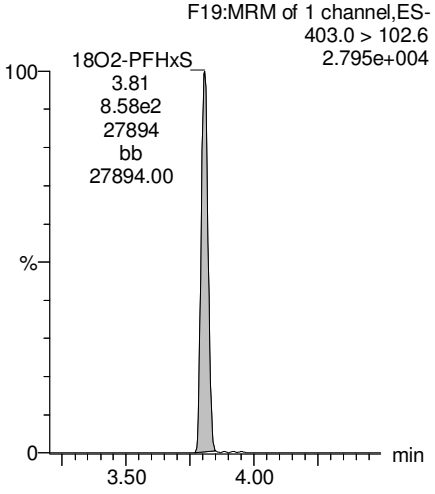
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



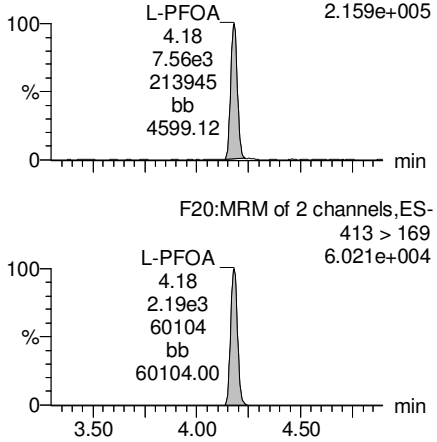
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-47.qld

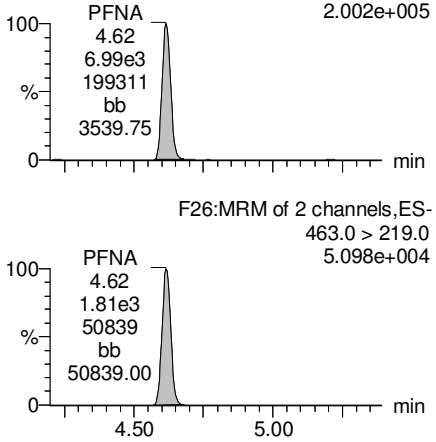
Last Altered: Saturday, February 03, 2018 15:37:50 Pacific Standard Time
Printed: Saturday, February 03, 2018 15:58:49 Pacific Standard Time

Name: 180130M2_47, Date: 30-Jan-2018, Time: 20:21:00, ID: B8A0140-BS1 OPR 0.25, Description: OPR

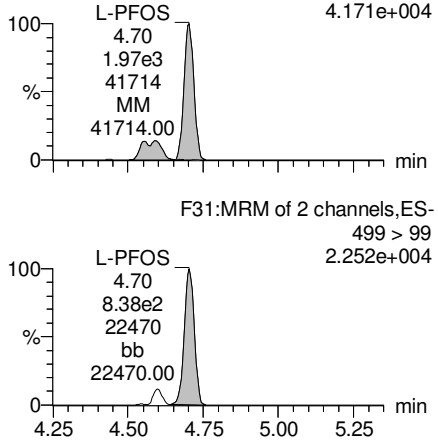
Total PFOA



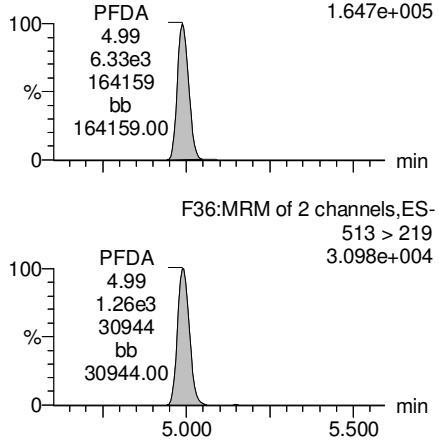
PFNA



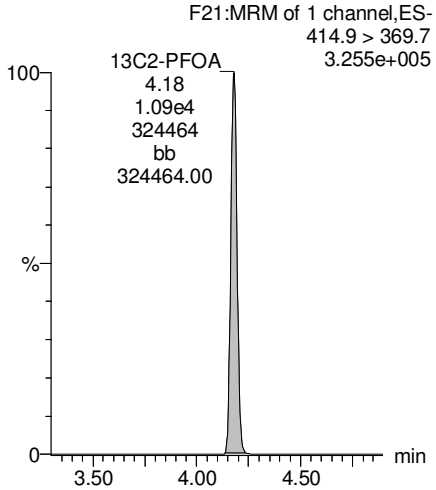
Total PFOS



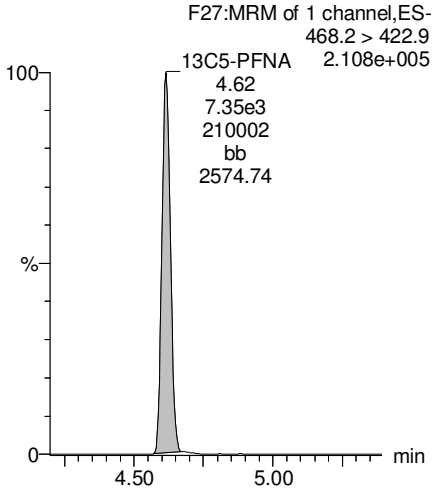
PFDA



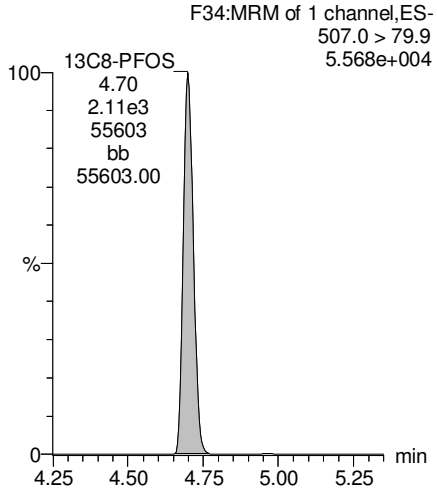
13C2-PFOA



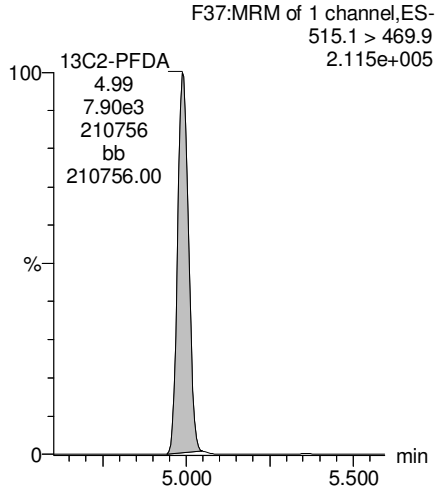
13C5-PFNA



13C8-PFOS



13C2-PFDA



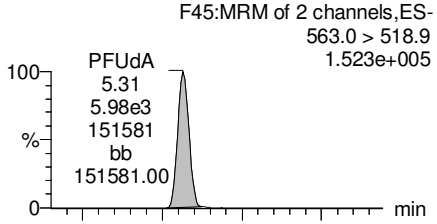
MSF 2/3/18

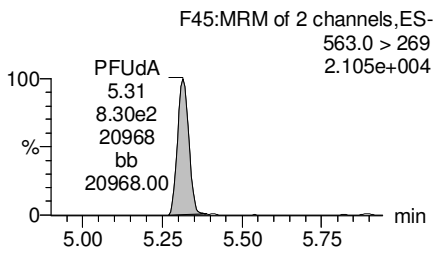
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-47.qld

Last Altered: Saturday, February 03, 2018 15:37:50 Pacific Standard Time
Printed: Saturday, February 03, 2018 15:58:49 Pacific Standard Time

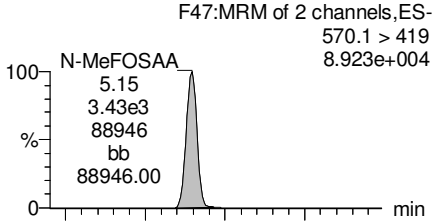
Name: 180130M2_47, Date: 30-Jan-2018, Time: 20:21:00, ID: B8A0140-BS1 OPR 0.25, Description: OPR

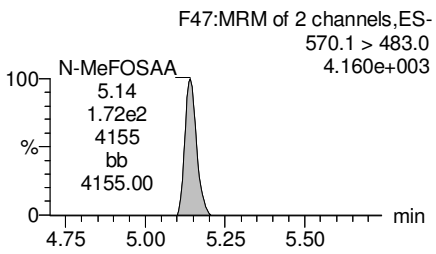
PFUdA



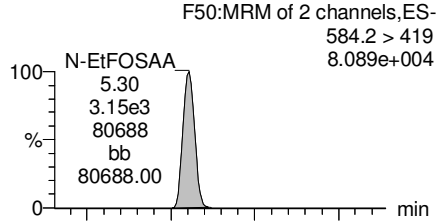


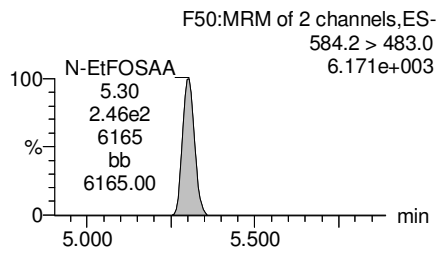
N-MeFOSAA



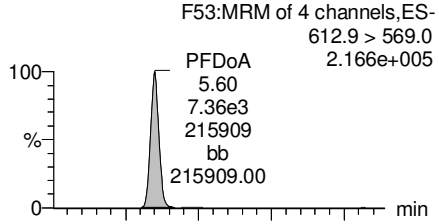


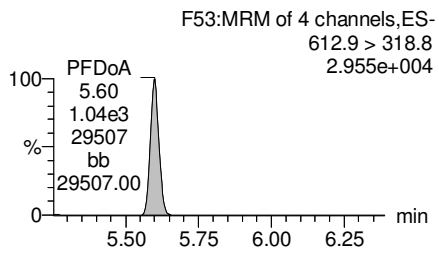
N-EtFOSAA



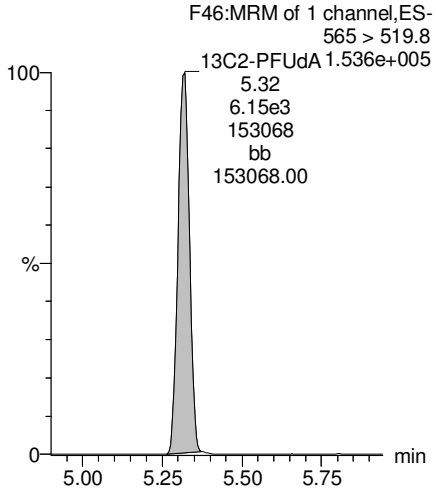


PFDoA

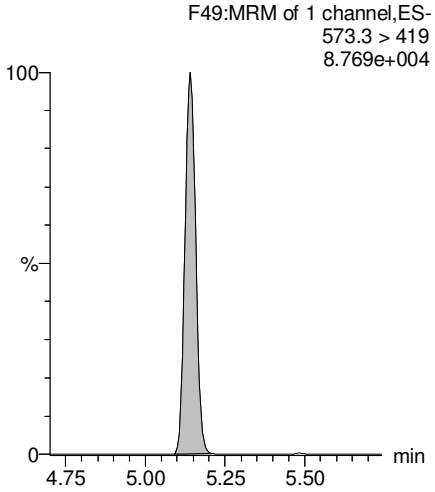




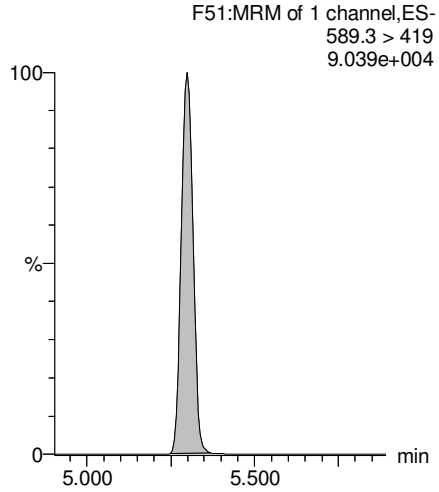
13C2-PFUdA



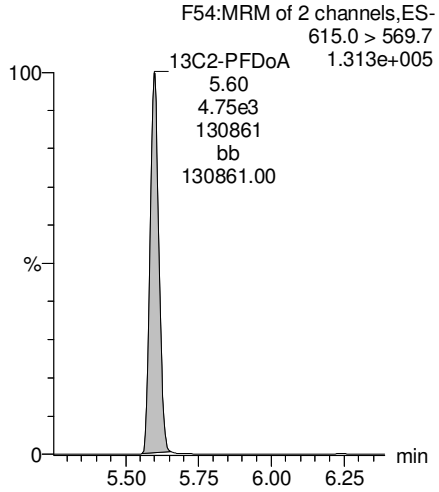
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



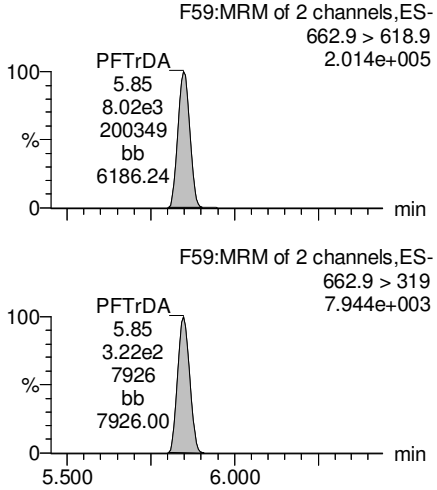
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-47.qld

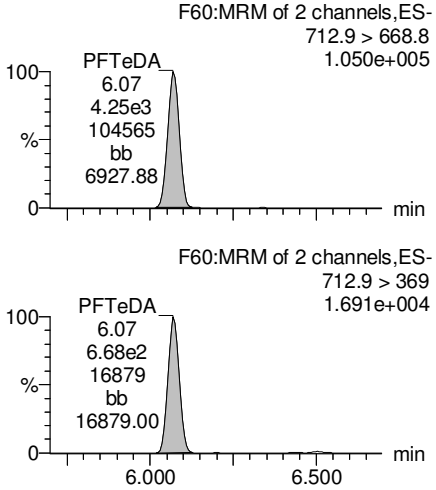
Last Altered: Saturday, February 03, 2018 15:37:50 Pacific Standard Time
Printed: Saturday, February 03, 2018 15:58:49 Pacific Standard Time

Name: 180130M2_47, Date: 30-Jan-2018, Time: 20:21:00, ID: B8A0140-BS1 OPR 0.25, Description: OPR

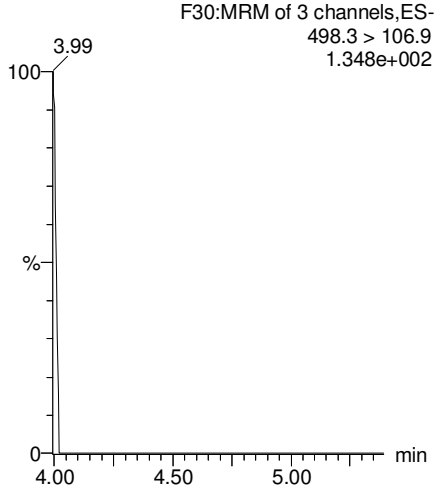
PFTrDA



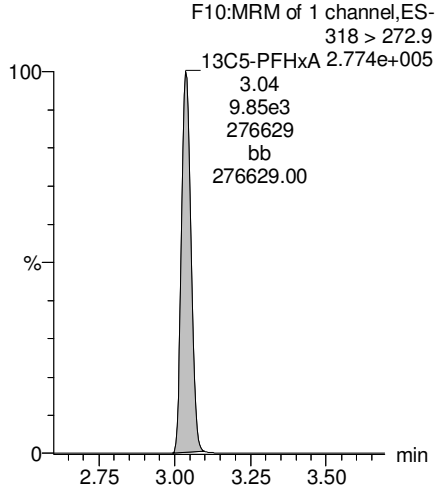
PFTeDA



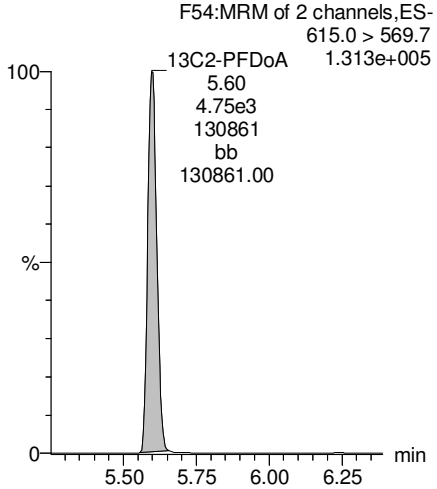
TCDA



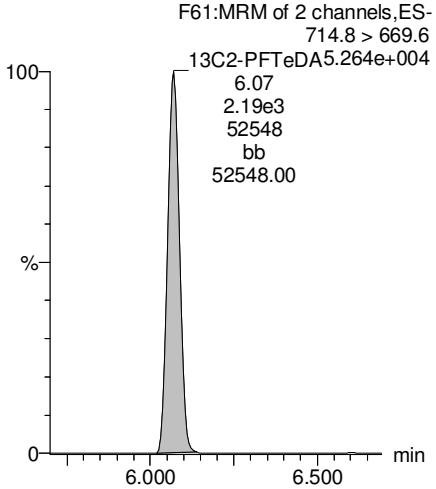
13C5-PFHxA



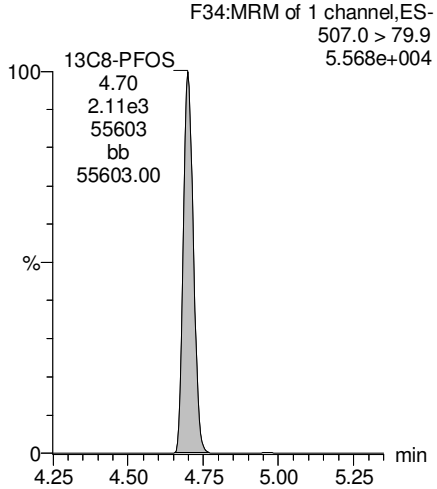
13C2-PFDoA



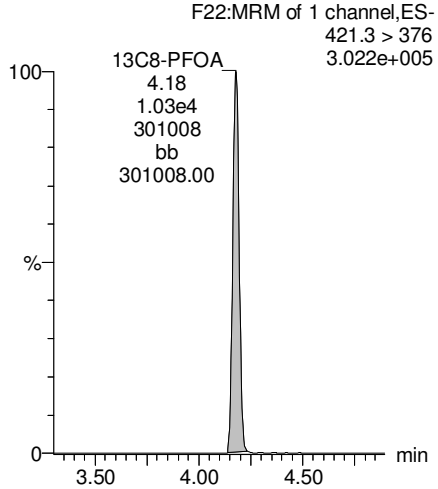
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



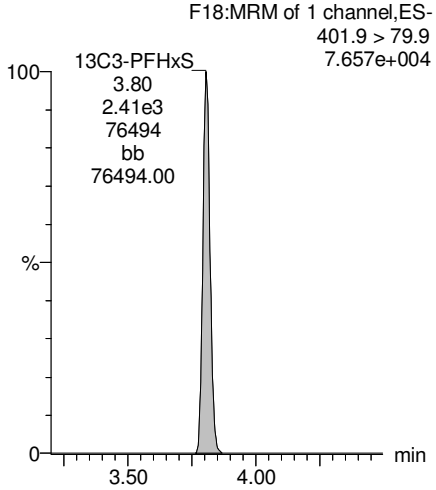
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-47.qld

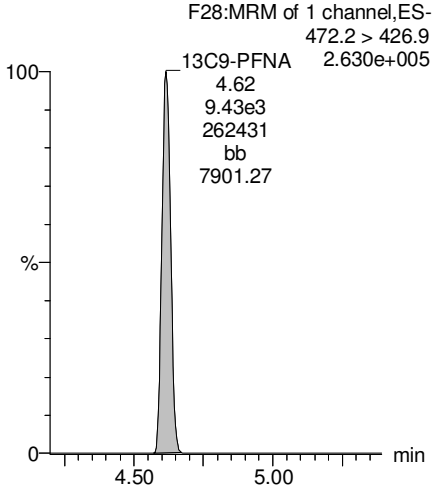
Last Altered: Saturday, February 03, 2018 15:37:50 Pacific Standard Time
Printed: Saturday, February 03, 2018 15:58:49 Pacific Standard Time

Name: 180130M2_47, Date: 30-Jan-2018, Time: 20:21:00, ID: B8A0140-BS1 OPR 0.25, Description: OPR

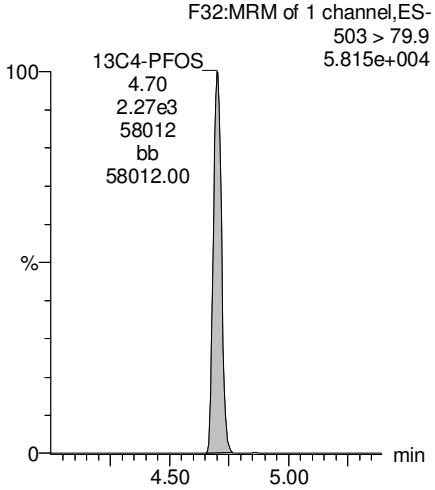
13C3-PFHxS



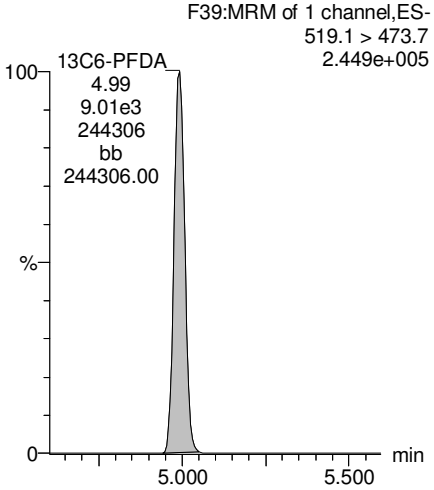
13C9-PFNA



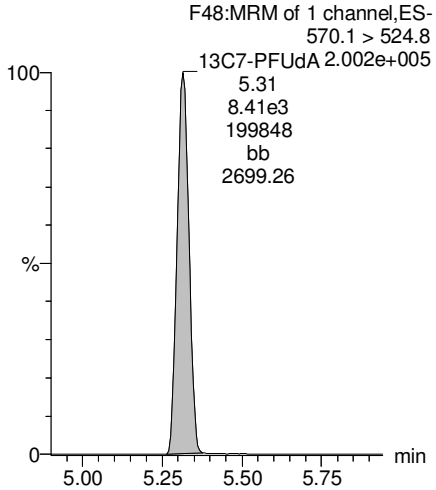
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-48.qld

Last Altered: Saturday, February 03, 2018 15:44:45 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:00:14 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_48, Date: 30-Jan-2018, Time: 20:32:30, ID: B8A0140-BSD1 LCSD 0.25, Description: LCSD

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	1.63e3	1.09e3	0.250		2.56	2.55	18.7	41.5035	103.8
2	5	PFHxA	313.2 > 268.9	7.93e3	2.47e3	0.250		3.05	3.04	16.0	39.8512	99.6
3	7	PFHpA	363.0 > 318.9	6.97e3	6.93e3	0.250		3.68	3.66	12.6	42.2314	105.6
4	8	L-PFHxS	398.9 > 79.6	1.22e3	8.38e2	0.250		3.80	3.81	18.1	39.0409	97.6
5	11	L-PFOA	413 > 368.7	7.34e3	9.44e3	0.250		4.20	4.18	9.72	36.8163	92.0
6	14	PFNA	463.0 > 418.8	7.95e3	8.22e3	0.250		4.65	4.62	12.1	38.9842	97.5
7	16	L-PFOS	499 > 79.9	1.79e3	2.22e3	0.250		4.75	4.70	10.1	37.7067	94.3
8	18	PFDA	513 > 468.8	6.59e3	5.94e3	0.250		5.03	4.99	13.9	42.6067	106.5
9	21	N-MeFOSAA	570.1 > 419	3.54e3	3.05e3	0.250		5.20	5.15	14.5	37.0639	92.7
10	22	N-EtFOSAA	584.2 > 419	2.67e3	3.39e3	0.250		5.30	5.30	9.85	35.9269	89.8
11	23	PFUdA	563.0 > 518.9	5.73e3	7.25e3	0.250		5.36	5.31	9.89	33.6138	84.0

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-48.qld

Last Altered: Saturday, February 03, 2018 15:44:45 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:00:30 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_48, Date: 30-Jan-2018, Time: 20:32:30, ID: B8A0140-BSD1 LCSD 0.25, Description: LCSD

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0	7.91e3	6.26e3	0.250		5.65	5.60	15.8	42.4670	106.2
2	27	PFTrDA	662.9 > 618.9	8.77e3	2.21e3	0.250		5.90	5.85	49.5	52.7209	131.8
3	28	PFTeDA	712.9 > 668.8	5.82e3	2.21e3	0.250		6.12	6.07	32.9	57.2360	143.1
4	36	13C3-PFBS	302. > 98.8	1.09e3	9.59e3	0.250	0.109	2.56	2.54	1.42	51.9567	103.9
5	37	13C2-PFHxA	315 > 269.8	2.47e3	9.59e3	0.250	0.684	3.05	3.04	3.23	18.8631	94.3
6	38	13C4-PFHpA	367.2 > 321.8	6.93e3	9.59e3	0.250	0.732	3.68	3.65	9.03	49.3443	98.7
7	39	18O2-PFHxS	403.0 > 102.6	8.38e2	2.37e3	0.250	0.318	3.80	3.81	4.42	55.4922	111.0
8	40	13C2-6:2 FTS	429.1 > 408.9	2.16e3	9.91e3	0.250	0.263	4.15	4.13	2.73	41.4795	83.0
9	41	13C2-PFOA	414.9 > 369.7	9.44e3	9.91e3	0.250	1.120	4.20	4.18	11.9	42.5101	85.0
10	42	13C5-PFNA	468.2 > 422.9	8.22e3	1.09e4	0.250	0.921	4.65	4.62	9.43	40.9626	81.9
11	43	13C8-PFOSA	506.1 > 77.7	1.49e3	1.18e4	0.250	0.245	4.70	4.68	1.58	25.7891	51.6
12	44	13C8-PFOS	507.0 > 79.9	2.22e3	2.34e3	0.250	1.034	4.75	4.70	11.9	45.9248	91.8
13	45	13C2-PFDA	515.1 > 469.9	5.94e3	9.45e3	0.250	1.080	5.03	4.99	7.85	29.0997	58.2
14	46	13C2-8:2 FTS	529.1 > 508.7	1.28e3	9.59e3	0.250	0.165	5.00	4.96	1.66	40.3718	80.7
15	47	d3-N-MeFOSAA	573.3 > 419	3.05e3	1.18e4	0.250	0.398	5.20	5.14	3.22	32.4230	64.8
16	48	d5-N-EtFOSAA	589.3 > 419	3.39e3	1.18e4	0.250	0.425	5.30	5.30	3.58	33.6742	67.3
17	49	13C2-PFUdA	565 > 519.8	7.25e3	1.18e4	0.250	1.047	5.36	5.32	7.65	29.2242	58.4
18	50	13C2-PFDoA	615.0 > 569.7	6.26e3	1.18e4	0.250	0.805	5.65	5.60	6.61	32.8258	65.7
19	52	13C2-PFTeDA	714.8 > 669.6	2.21e3	1.18e4	0.250	0.367	6.12	6.07	2.34	25.4744	50.9
20	57	13C4-PFBA	217. > 171.8	8.62e3	8.62e3	0.250	1.000	1.30	1.31	12.5	50.0000	100.0
21	58	13C5-PFHxA	318 > 272.9	9.59e3	9.59e3	0.250	1.000	3.05	3.04	12.5	50.0000	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.37e3	2.37e3	0.250	1.000	3.80	3.81	12.5	50.0000	100.0
23	60	13C8-PFOA	421.3 > 376	9.91e3	9.91e3	0.250	1.000	4.20	4.18	12.5	50.0000	100.0
24	61	13C9-PFNA	472.2 > 426.9	1.09e4	1.09e4	0.250	1.000	4.65	4.62	12.5	50.0000	100.0
25	62	13C4-PFOS	503 > 79.9	2.34e3	2.34e3	0.250	1.000	4.60	4.70	12.5	50.0000	100.0
26	63	13C6-PFDA	519.1 > 473.7	9.45e3	9.45e3	0.250	1.000	5.03	4.99	12.5	50.0000	100.0
27	64	13C7-PFUdA	570.1 > 524.8	1.18e4	1.18e4	0.250	1.000	5.36	5.31	12.5	50.0000	100.0
28	65	Total PFHxS	398.9 > 79.6	1.22e3	8.38e2	0.250		3.70		18.1	39.0409	
29	66	Total PFOA	413 > 368.7	7.34e3	9.44e3	0.250		4.20		9.72	36.8163	
30	67	Total PFOS	499 > 79.9	1.79e3	2.22e3	0.250		4.70		10.1	37.7067	
31	68	Total N-MeFOSAA	570.1 > 419	3.54e3	3.05e3	0.250		5.20		14.5	37.0639	
32	69	Total N-EtFOSAA	584.2 > 419	2.67e3	3.39e3	0.250		5.30		9.85	35.9269	

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

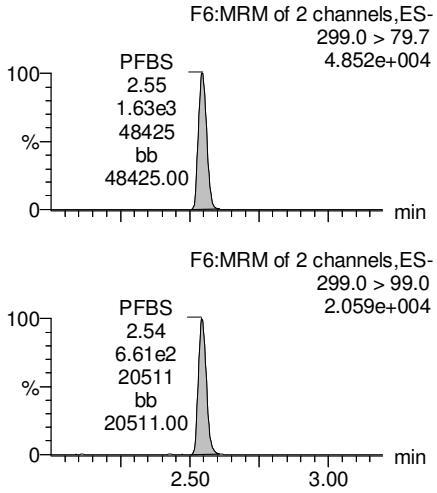
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-48.qld

Last Altered: Saturday, February 03, 2018 15:44:45 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:00:30 Pacific Standard Time

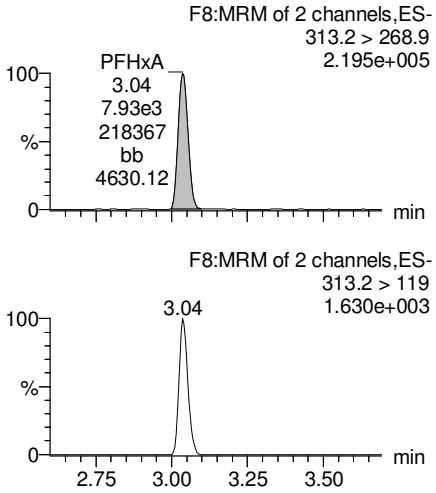
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_48, Date: 30-Jan-2018, Time: 20:32:30, ID: B8A0140-BSD1 LCSD 0.25, Description: LCSD

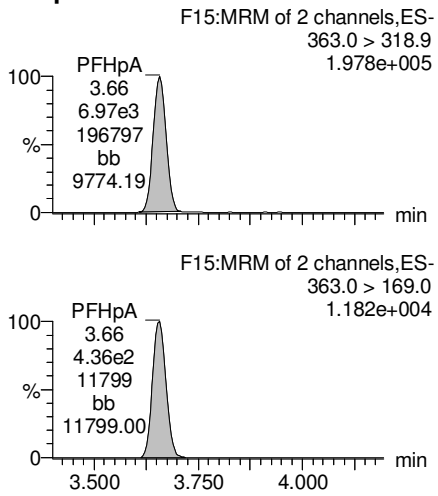
PFBS



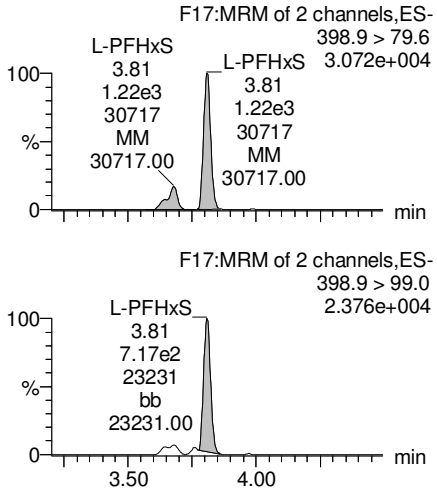
PFHxA



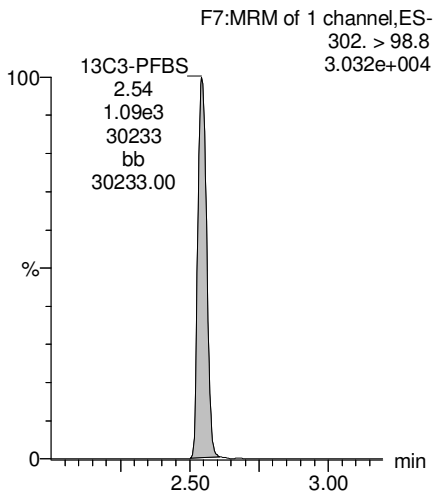
PFHpA



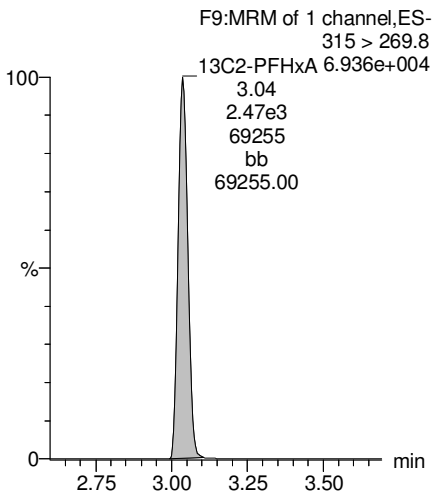
Total PFHxS



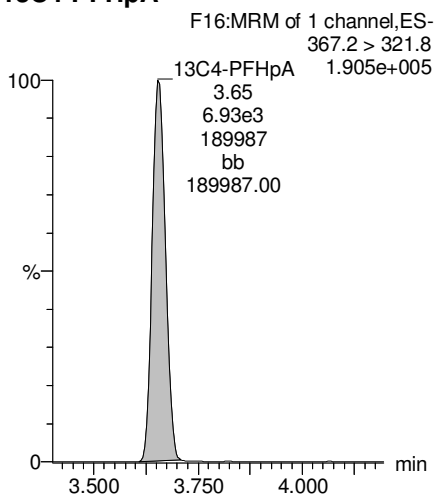
13C3-PFBS



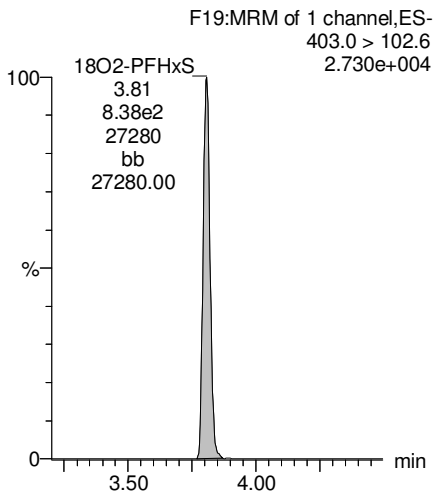
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



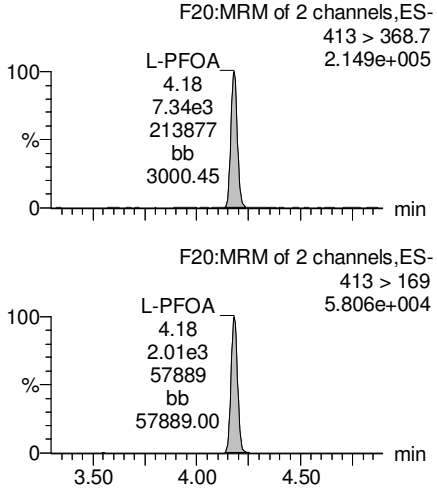
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-48.qld

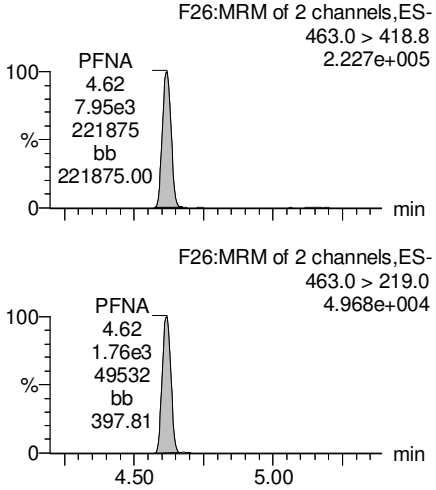
Last Altered: Saturday, February 03, 2018 15:44:45 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:00:30 Pacific Standard Time

Name: 180130M2_48, Date: 30-Jan-2018, Time: 20:32:30, ID: B8A0140-BSD1 LCSD 0.25, Description: LCSD

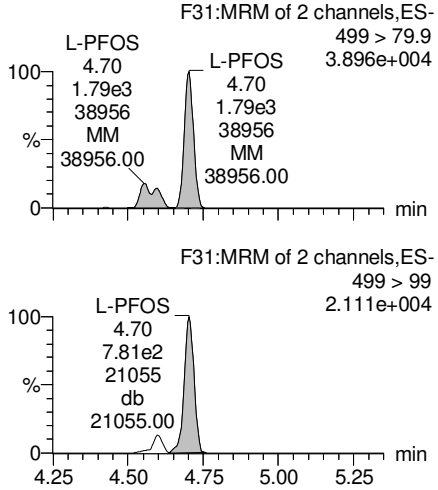
Total PFOA



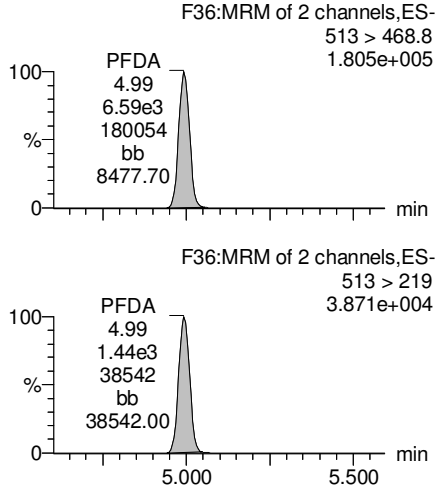
PFNA



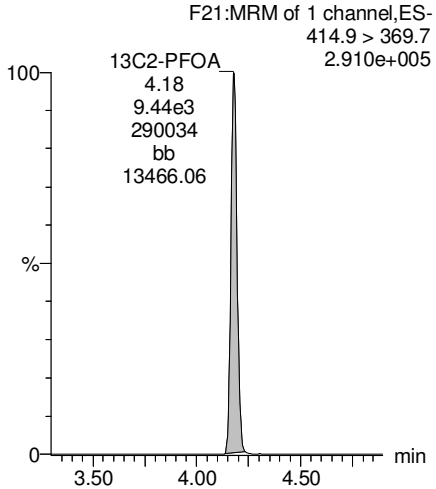
Total PFOS



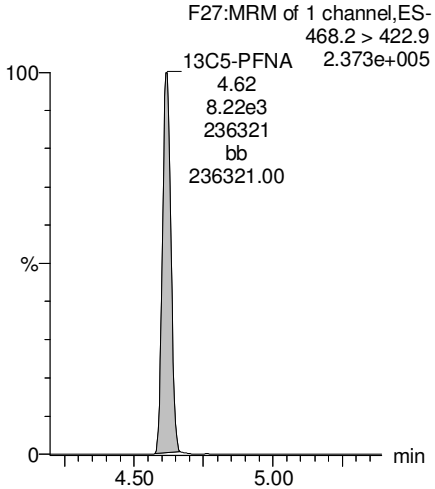
PFDA



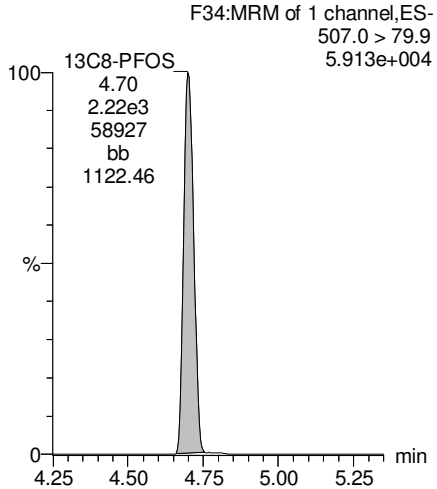
13C2-PFOA



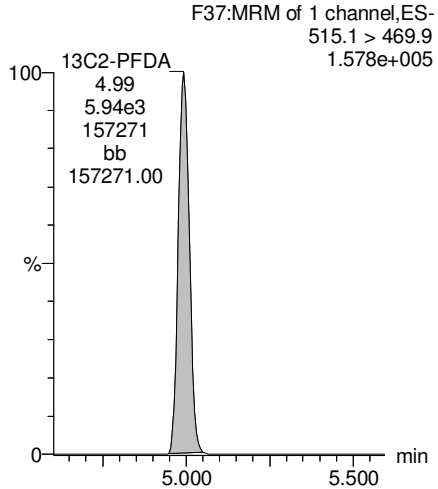
13C5-PFNA



13C8-PFOS



13C2-PFDA



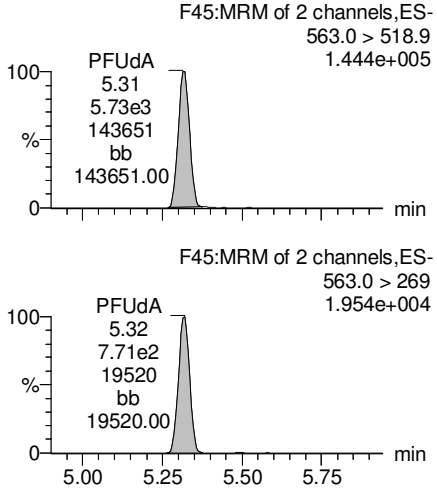
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-48.qld

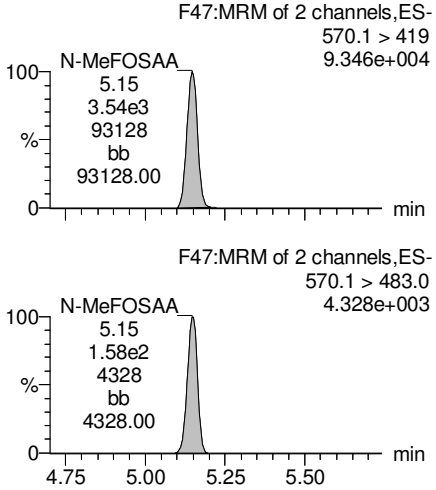
Last Altered: Saturday, February 03, 2018 15:44:45 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:00:30 Pacific Standard Time

Name: 180130M2_48, Date: 30-Jan-2018, Time: 20:32:30, ID: B8A0140-BSD1 LCSD 0.25, Description: LCSD

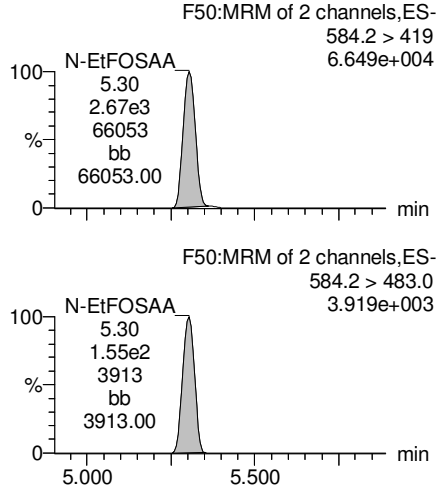
PFUdA



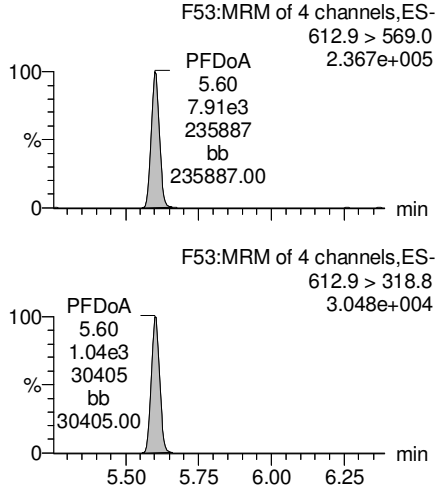
N-MeFOSAA



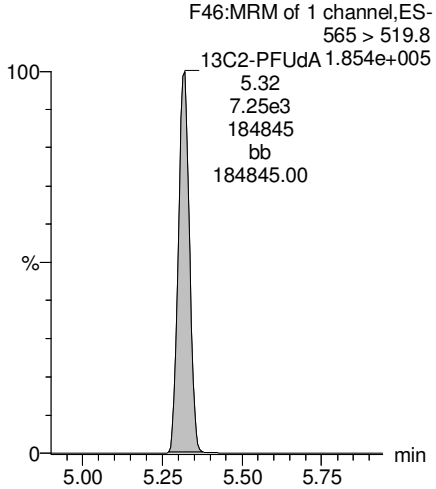
N-EtFOSAA



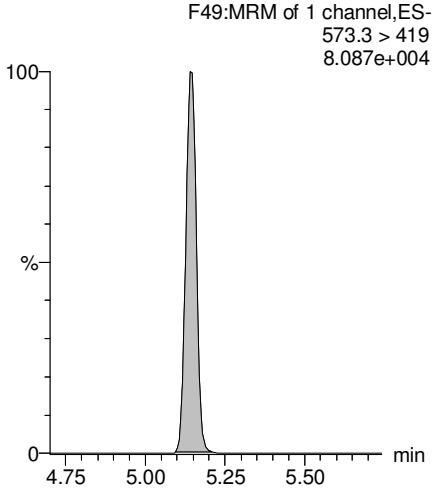
PFDoA



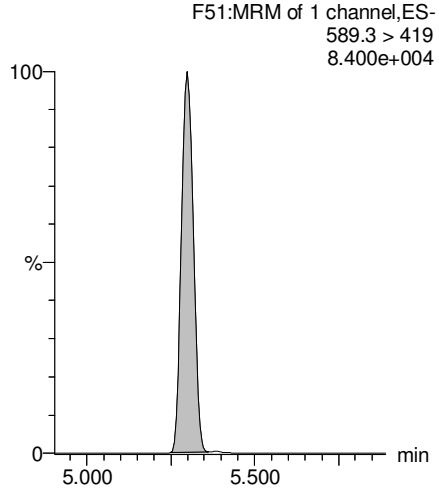
13C2-PFUdA



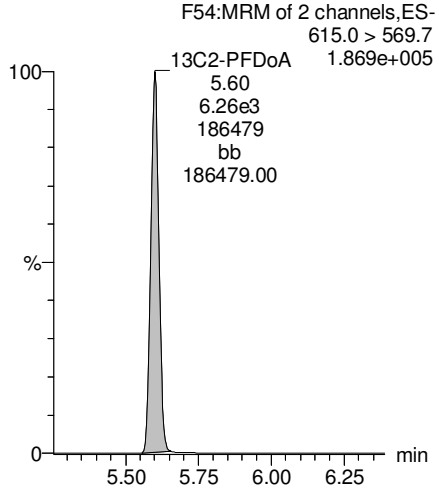
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



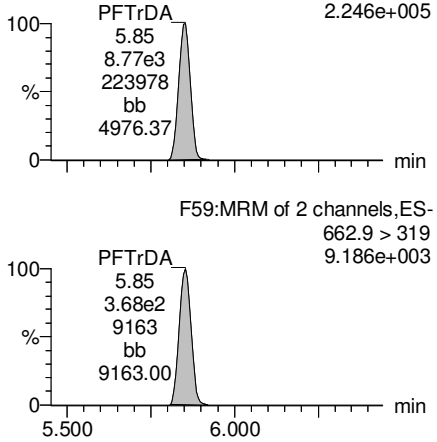
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-48.qld

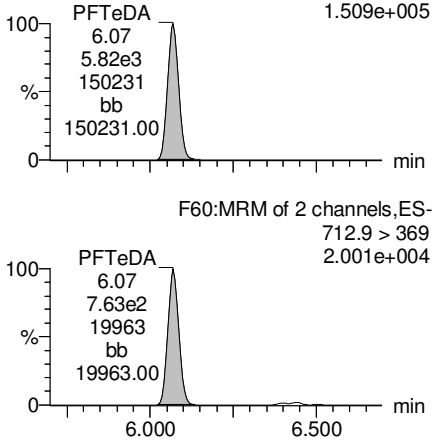
Last Altered: Saturday, February 03, 2018 15:44:45 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:00:30 Pacific Standard Time

Name: 180130M2_48, Date: 30-Jan-2018, Time: 20:32:30, ID: B8A0140-BSD1 LCSD 0.25, Description: LCSD

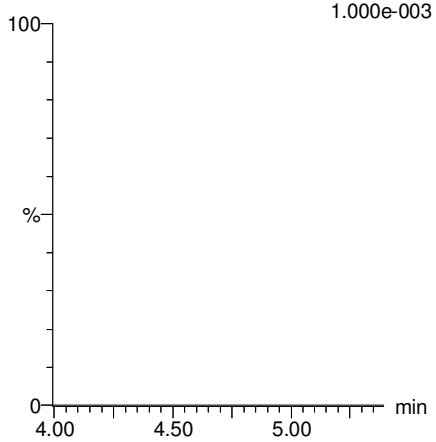
PFTrDA



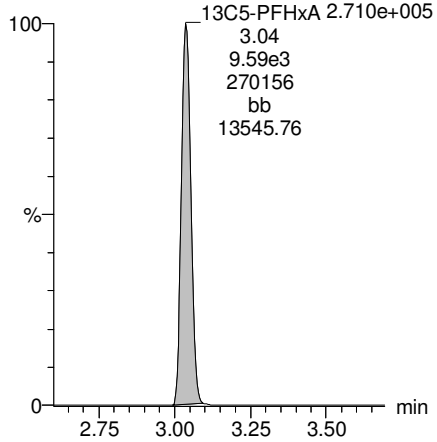
PFTeDA



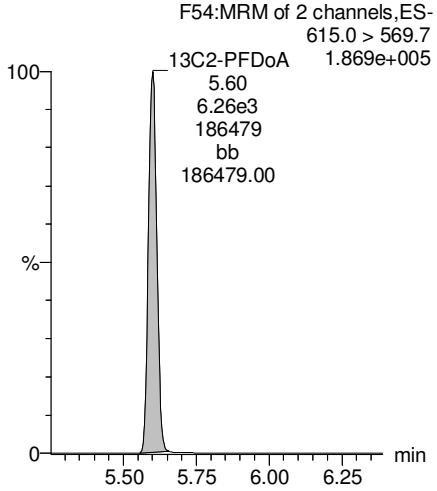
TCDA



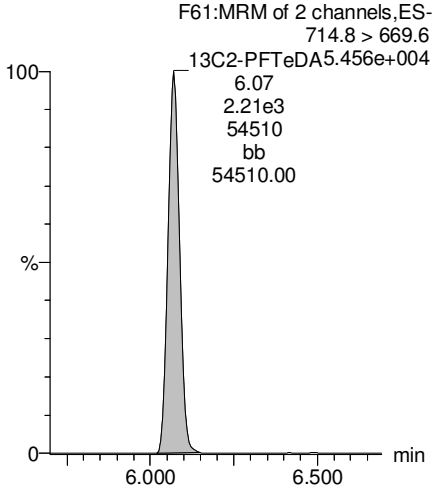
13C5-PFHxA



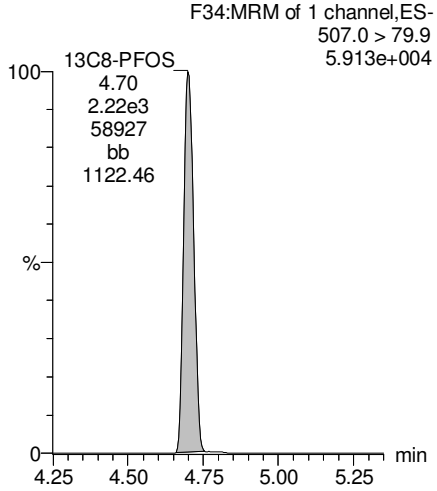
13C2-PFDoA



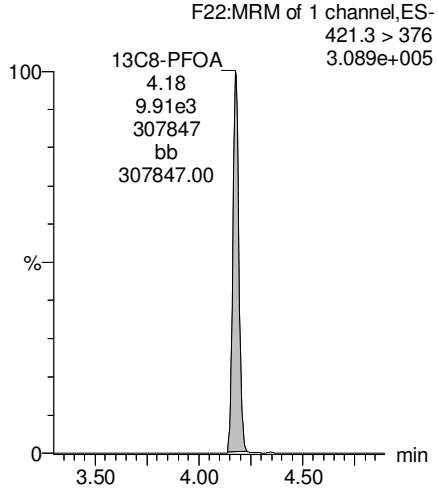
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



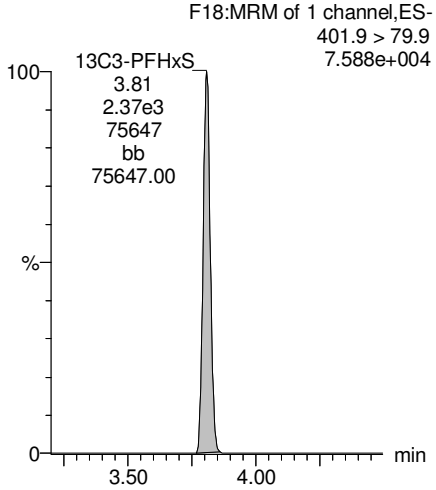
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-48.qld

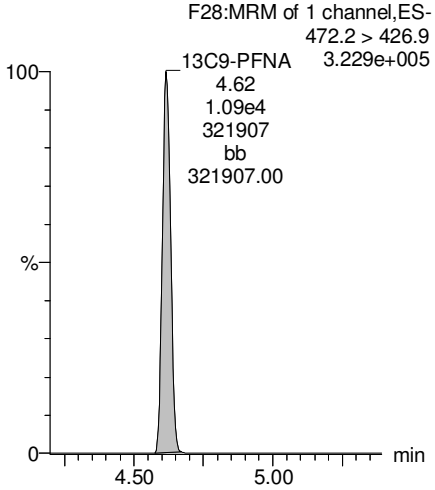
Last Altered: Saturday, February 03, 2018 15:44:45 Pacific Standard Time
Printed: Saturday, February 03, 2018 16:00:30 Pacific Standard Time

Name: 180130M2_48, Date: 30-Jan-2018, Time: 20:32:30, ID: B8A0140-BSD1 LCSD 0.25, Description: LCSD

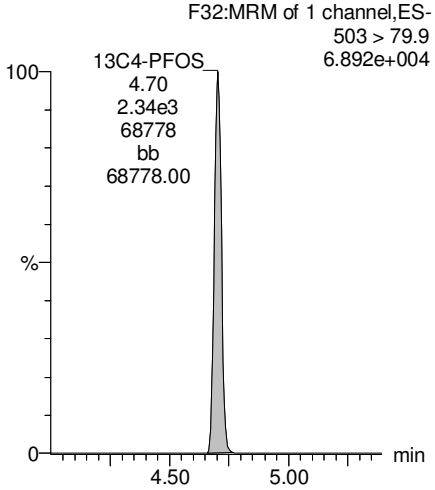
13C3-PFHxS



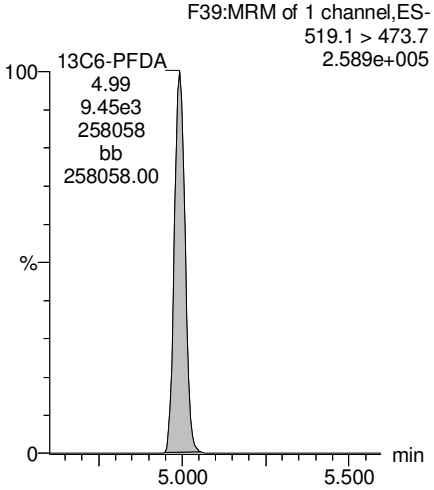
13C9-PFNA



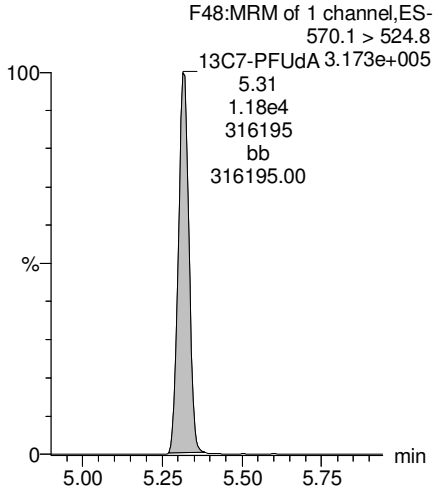
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-50.qld

Last Altered: Sunday, February 04, 2018 11:22:30 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:23:20 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_50, Date: 30-Jan-2018, Time: 20:55:29, ID: 1800127-01 EB02-20180116 0.27074, Description: EB02-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.11e3	0.271		2.56				
2	5	PFHxA	313.2 > 268.9		2.64e3	0.271		3.05				
3	7	PFHpA	363.0 > 318.9		6.51e3	0.271		3.68				
4	8	L-PFHxS	398.9 > 79.6	7.64e-1	6.54e2	0.271		3.80	3.81	0.0146		
5	11	L-PFOA	413 > 368.7		9.06e3	0.271		4.20				
6	14	PFNA	463.0 > 418.8		7.27e3	0.271		4.65				
7	16	L-PFOS	499 > 79.9		2.30e3	0.271		4.75				
8	18	PFDA	513 > 468.8		6.68e3	0.271		5.03				
9	21	N-MeFOSAA	570.1 > 419		2.93e3	0.271		5.20				
10	22	N-EtFOSAA	584.2 > 419		2.92e3	0.271		5.30				
11	23	PFUdA	563.0 > 518.9	4.86e1	6.52e3	0.271		5.36	5.32	0.0931	0.2047	

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-50.qld

Last Altered: Sunday, February 04, 2018 11:22:30 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:23:35 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_50, Date: 30-Jan-2018, Time: 20:55:29, ID: 1800127-01 EB02-20180116 0.27074, Description: EB02-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		5.64e3	0.271		5.65				
2	27	PFTrDA	662.9 > 618.9		2.16e3	0.271		5.90				
3	28	PFTeDA	712.9 > 668.8		2.16e3	0.271		6.12				
4	36	13C3-PFBS	302. > 98.8	1.11e3	1.09e4	0.271	0.109	2.56	2.54	1.28	43.1768	93.5
5	37	13C2-PFHxA	315 > 269.8	2.64e3	1.09e4	0.271	0.684	3.05	3.04	3.04	16.4295	89.0
6	38	13C4-PFHpA	367.2 > 321.8	6.51e3	1.09e4	0.271	0.732	3.68	3.65	7.48	37.7567	81.8
7	39	18O2-PFHxS	403.0 > 102.6	6.54e2	2.30e3	0.271	0.318	3.80	3.81	3.55	41.2087	89.3
8	40	13C2-6:2 FTS	429.1 > 408.9	2.14e3	9.27e3	0.271	0.263	4.15	4.12	2.89	40.5213	87.8
9	41	13C2-PFOA	414.9 > 369.7	9.06e3	9.27e3	0.271	1.120	4.20	4.18	12.2	40.2661	87.2
10	42	13C5-PFNA	468.2 > 422.9	7.27e3	1.15e4	0.271	0.921	4.65	4.61	7.91	31.7284	68.7
11	43	13C8-PFOSA	506.1 > 77.7	1.43e3	1.30e4	0.271	0.245	4.70	4.68	1.37	20.6913	44.8
12	44	13C8-PFOS	507.0 > 79.9	2.30e3	2.59e3	0.271	1.034	4.75	4.70	11.1	39.5847	85.7
13	45	13C2-PFDA	515.1 > 469.9	6.68e3	8.49e3	0.271	1.080	5.03	4.99	9.83	33.6285	72.8
14	46	13C2-8:2 FTS	529.1 > 508.7	1.27e3	1.09e4	0.271	0.165	5.00	4.96	1.46	32.7112	70.8
15	47	d3-N-MeFOSAA	573.3 > 419	2.93e3	1.30e4	0.271	0.398	5.20	5.14	2.81	26.1344	56.6
16	48	d5-N-EtFOSAA	589.3 > 419	2.92e3	1.30e4	0.271	0.425	5.30	5.30	2.81	24.3912	52.8
17	49	13C2-PFUdA	565 > 519.8	6.52e3	1.30e4	0.271	1.047	5.36	5.31	6.26	22.0713	47.8
18	50	13C2-PFDoA	615.0 > 569.7	5.64e3	1.30e4	0.271	0.805	5.65	5.60	5.41	24.8090	53.7
19	52	13C2-PFTeDA	714.8 > 669.6	2.16e3	1.30e4	0.271	0.367	6.12	6.06	2.07	20.8539	45.2
20	57	13C4-PFBA	217. > 171.8	8.36e3	8.36e3	0.271	1.000	1.30	1.31	12.5	46.1698	100.0
21	58	13C5-PFHxA	318 > 272.9	1.09e4	1.09e4	0.271	1.000	3.05	3.04	12.5	46.1698	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.30e3	2.30e3	0.271	1.000	3.80	3.81	12.5	46.1698	100.0
23	60	13C8-PFOA	421.3 > 376	9.27e3	9.27e3	0.271	1.000	4.20	4.18	12.5	46.1698	100.0
24	61	13C9-PFNA	472.2 > 426.9	1.15e4	1.15e4	0.271	1.000	4.65	4.62	12.5	46.1698	100.0
25	62	13C4-PFOS	503 > 79.9	2.59e3	2.59e3	0.271	1.000	4.60	4.70	12.5	46.1698	100.0
26	63	13C6-PFDA	519.1 > 473.7	8.49e3	8.49e3	0.271	1.000	5.03	4.99	12.5	46.1698	100.0
27	64	13C7-PFUdA	570.1 > 524.8	1.30e4	1.30e4	0.271	1.000	5.36	5.31	12.5	46.1698	100.0
28	65	Total PFHxS	398.9 > 79.6	7.64e-1	6.54e2	0.271		3.70		0.000		
29	66	Total PFOA	413 > 368.7	0.00e0	9.06e3	0.271		4.20		0.000		
30	67	Total PFOS	499 > 79.9	0.00e0	2.30e3	0.271		4.70		0.000		
31	68	Total N-MeFOSAA	570.1 > 419	0.00e0	2.93e3	0.271		5.20		0.000		
32	69	Total N-EtFOSAA	584.2 > 419	0.00e0	2.92e3	0.271		5.30		0.000		

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

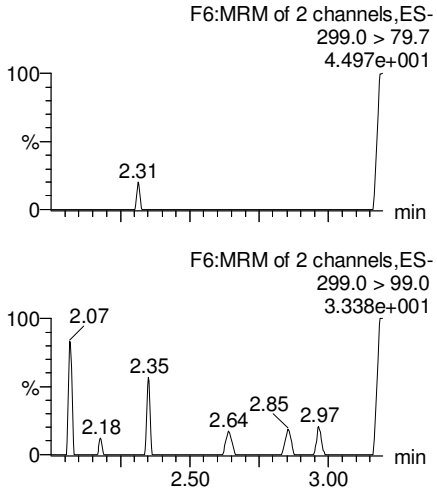
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-50.qld

Last Altered: Sunday, February 04, 2018 11:22:30 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:23:35 Pacific Standard Time

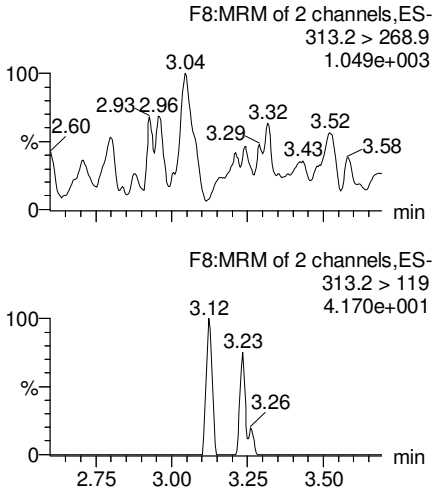
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_50, Date: 30-Jan-2018, Time: 20:55:29, ID: 1800127-01 EB02-20180116 0.27074, Description: EB02-20180116

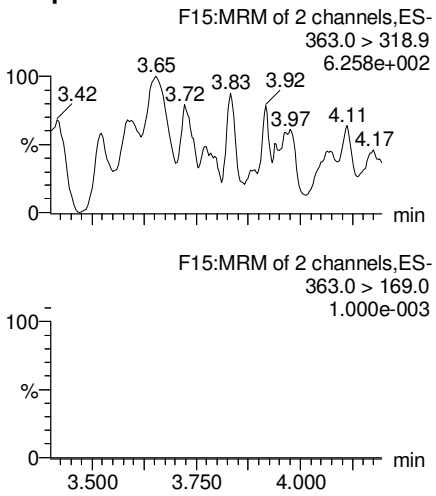
PFBS



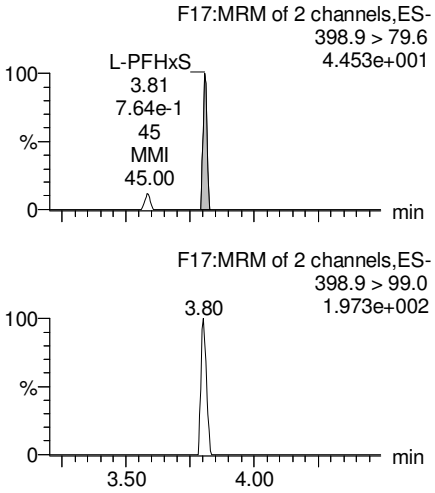
PFHxA



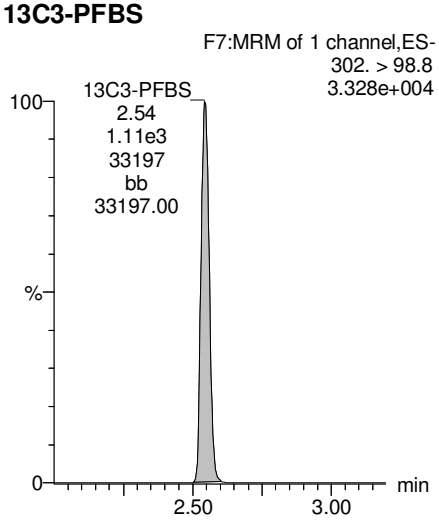
PFHpA



Total PFHxS



13C3-PFBS



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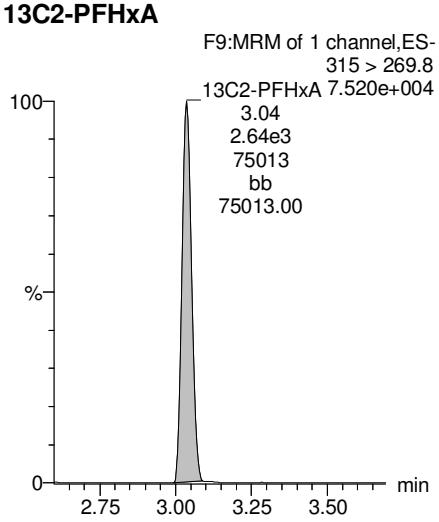
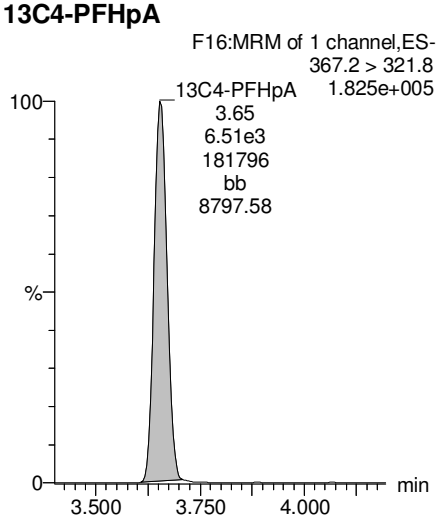
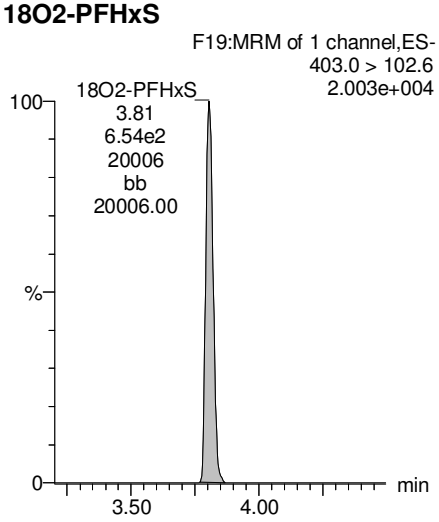


13C4-PFHpA



18O2-PFHxS



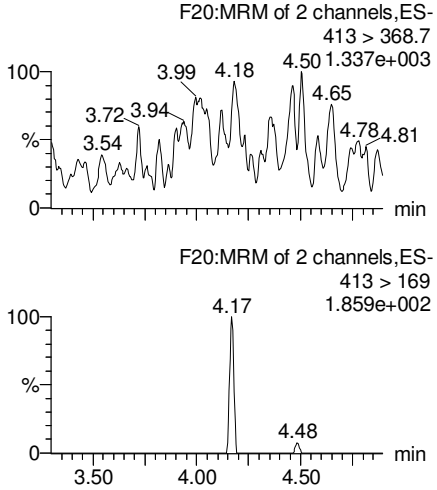
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-50.qld

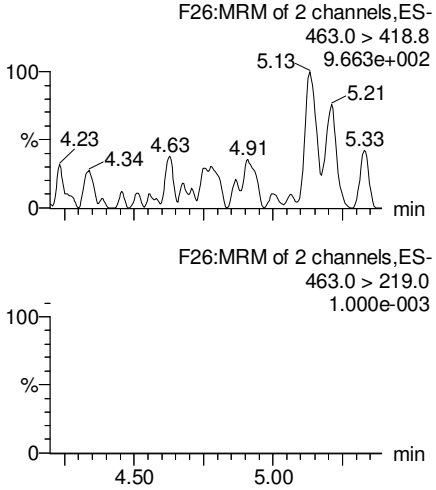
Last Altered: Sunday, February 04, 2018 11:22:30 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:23:35 Pacific Standard Time

Name: 180130M2_50, Date: 30-Jan-2018, Time: 20:55:29, ID: 1800127-01 EB02-20180116 0.27074, Description: EB02-20180116

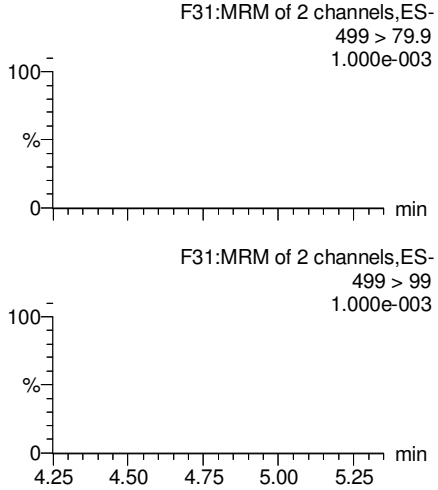
Total PFOA



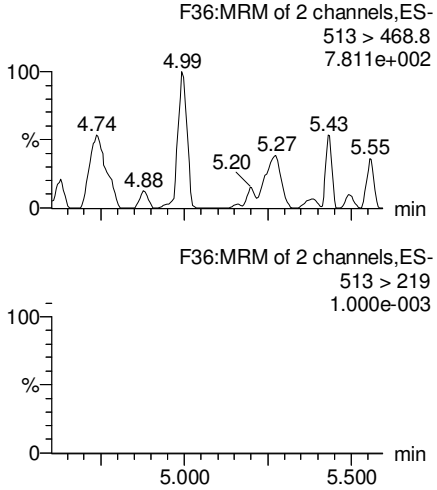
PFNA



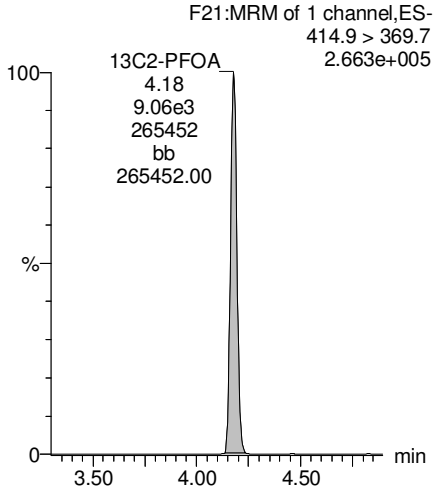
Total PFOS



PFDA



13C2-PFOA



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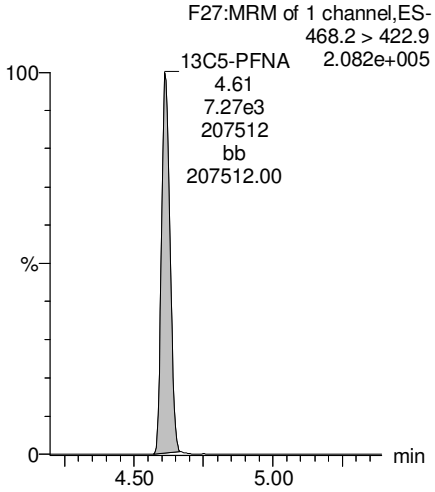
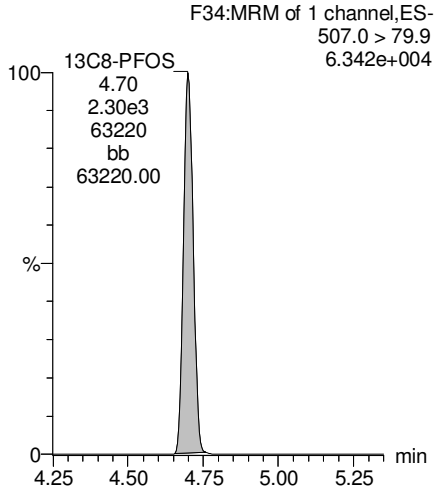
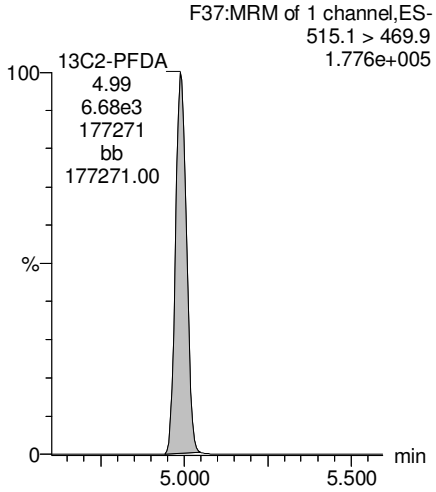


13C8-PFOS



13C2-PFDA



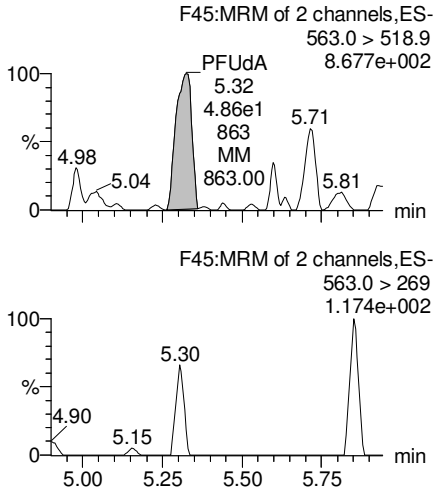
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-50.qld

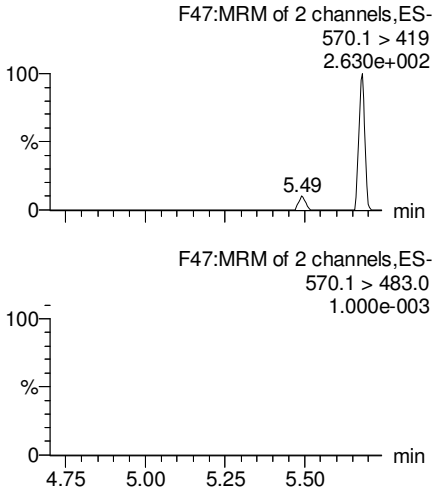
Last Altered: Sunday, February 04, 2018 11:22:30 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:23:35 Pacific Standard Time

Name: 180130M2_50, Date: 30-Jan-2018, Time: 20:55:29, ID: 1800127-01 EB02-20180116 0.27074, Description: EB02-20180116

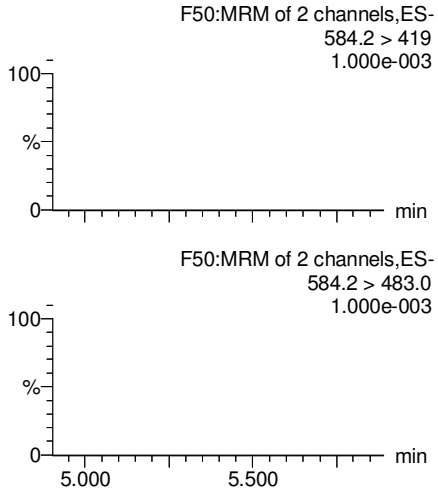
PFUdA



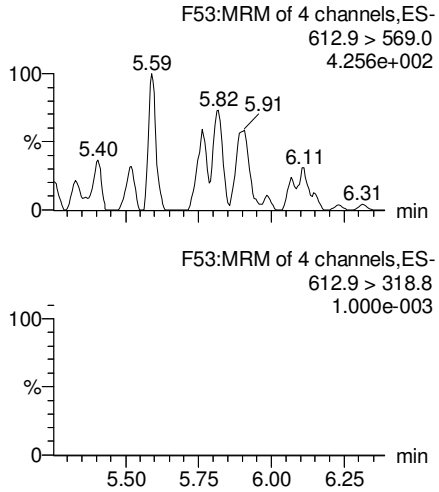
N-MeFOSAA



N-EtFOSAA



PFDoA



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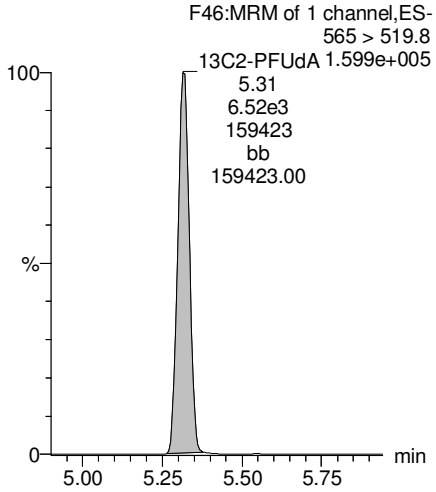
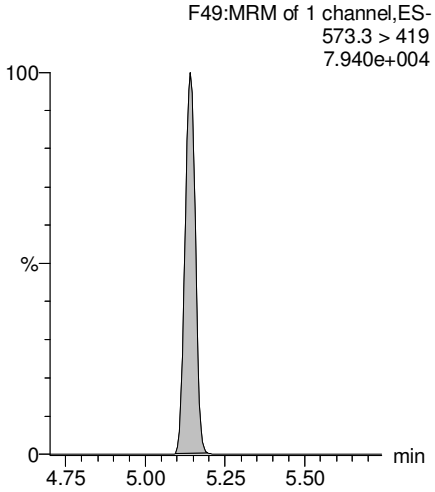


d3-N-MeFOSAA



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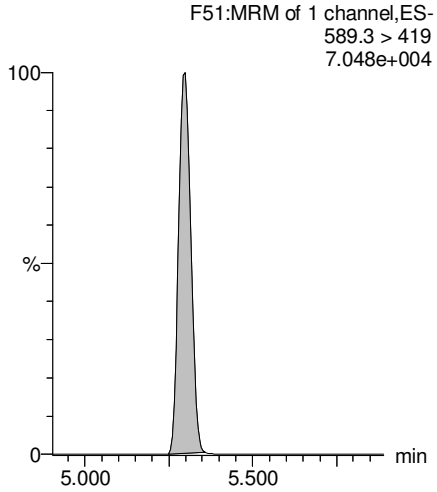
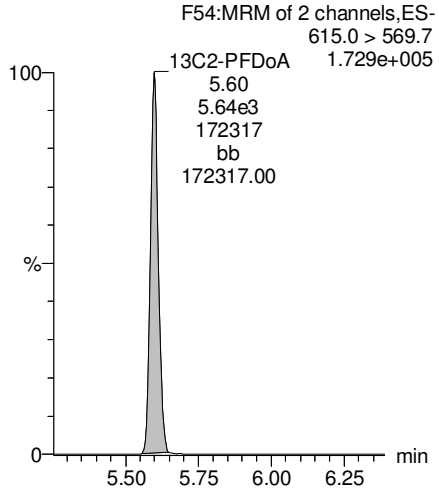


13C2-PFDoA



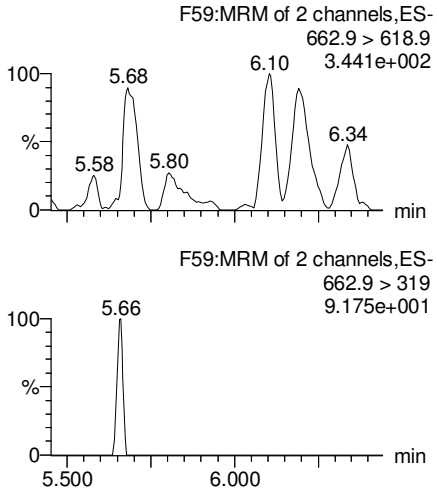
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-50.qld

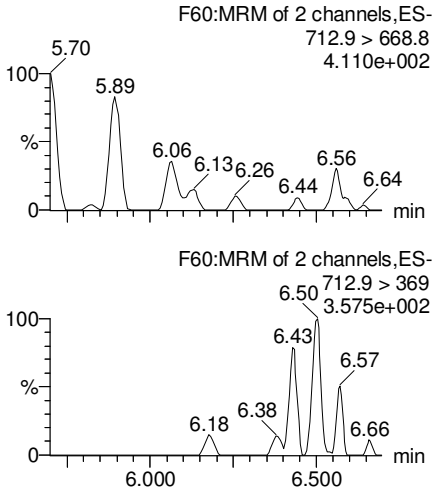
Last Altered: Sunday, February 04, 2018 11:22:30 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:23:35 Pacific Standard Time

Name: 180130M2_50, Date: 30-Jan-2018, Time: 20:55:29, ID: 1800127-01 EB02-20180116 0.27074, Description: EB02-20180116

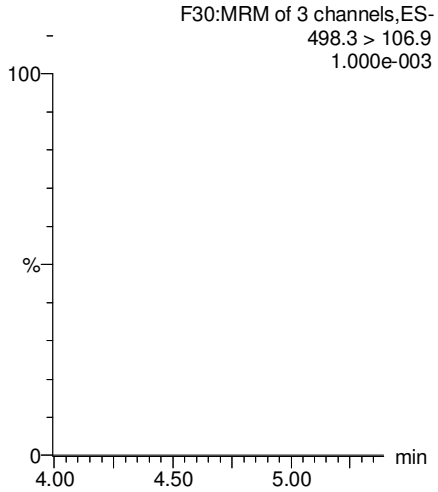
PFTrDA



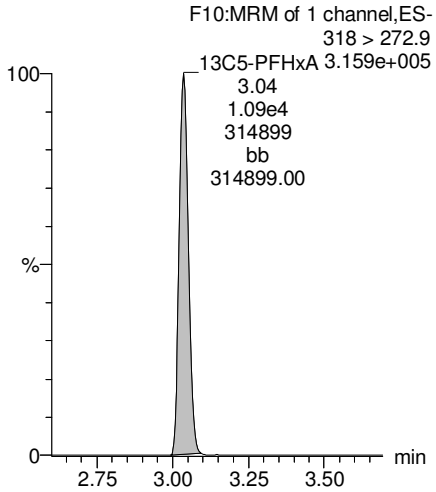
PFTeDA



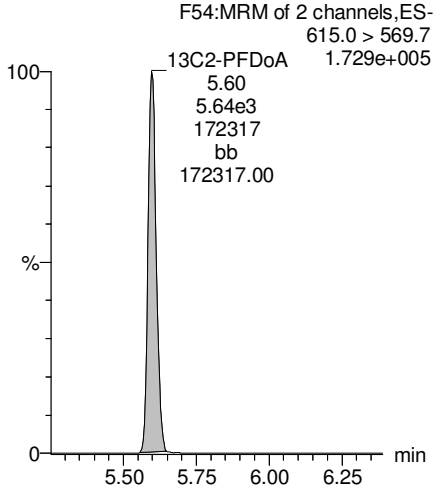
TCDA



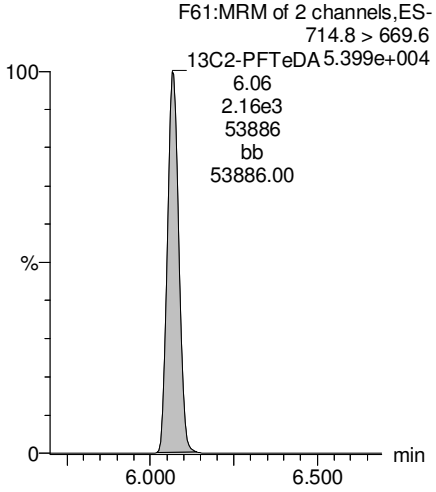
13C5-PFHxA



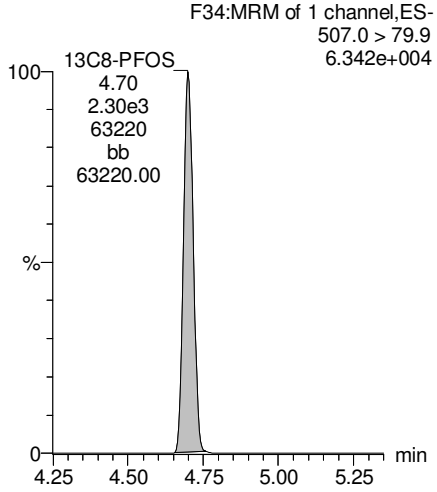
13C2-PFDoA



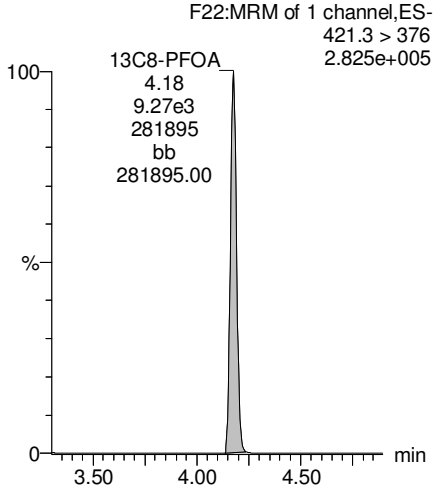
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



MSF 2/3/18

Vista Analytical Laboratory

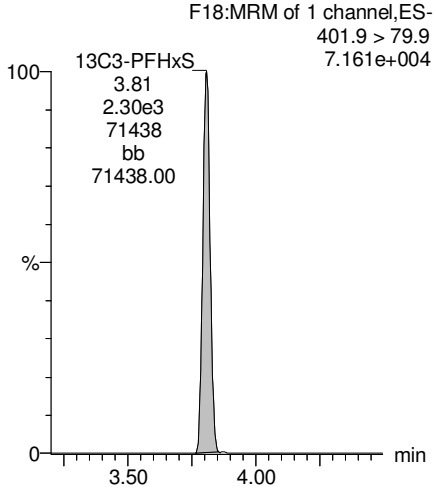
Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-50.qld

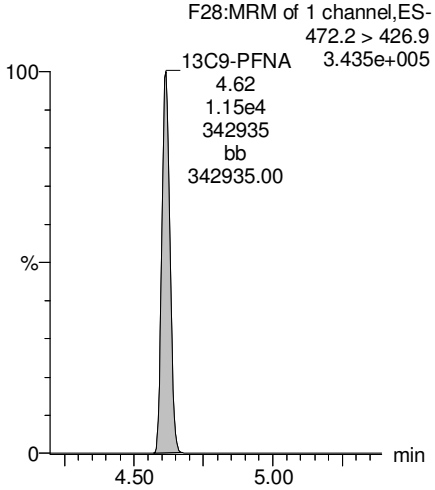
Last Altered: Sunday, February 04, 2018 11:22:30 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:23:35 Pacific Standard Time

Name: 180130M2_50, Date: 30-Jan-2018, Time: 20:55:29, ID: 1800127-01 EB02-20180116 0.27074, Description: EB02-20180116

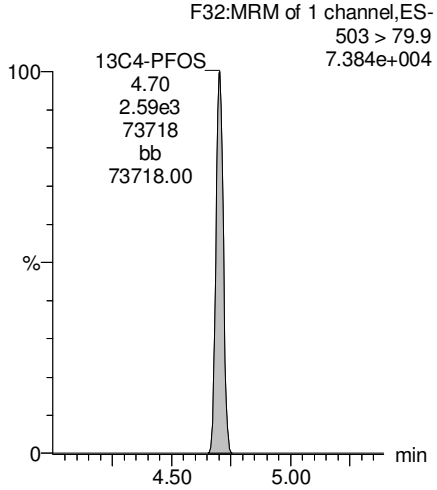
13C3-PFHxS



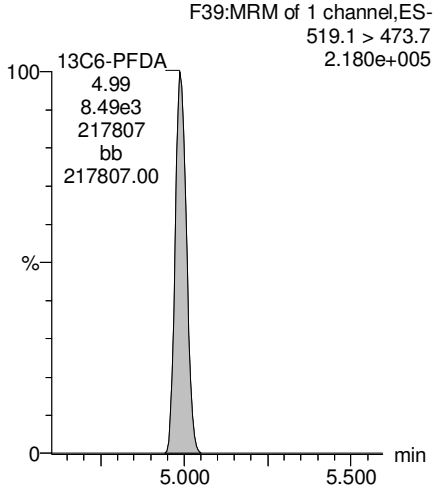
13C9-PFNA



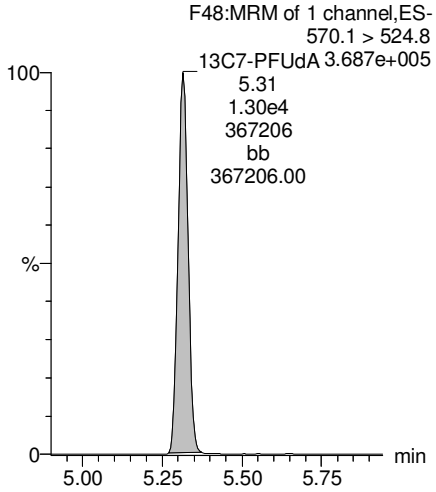
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-51.qld

Last Altered: Sunday, February 04, 2018 11:26:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:27:14 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_51, Date: 30-Jan-2018, Time: 21:06:58, ID: 1800127-02 IRSite1-GW-01W53A-20180116 0.26369, Description: IRSite1-GW-01W53A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	3.44e2	1.07e3	0.264		2.56	2.53	4.00	8.2691	
2	5	PFHxA	313.2 > 268.9	1.28e4	2.40e3	0.264		3.05	3.03	26.6	62.8584	
3	7	PFHpA	363.0 > 318.9	6.01e3	6.71e3	0.264		3.68	3.65	11.2	35.6105	
4	8	L-PFHxS	398.9 > 79.6	3.17e3	8.38e2	0.264		3.80	3.80	47.3	96.4645	
5	11	L-PFOA	413 > 368.7	1.46e4	9.91e3	0.264		4.20	4.17	18.4	66.6931	
6	14	PFNA	463.0 > 418.8	6.60e2	8.78e3	0.264		4.65	4.62	0.939	2.4015	
7	16	L-PFOS	499 > 79.9	1.17e3	2.54e3	0.264		4.75	4.55	5.74	20.6937	
8	18	PFDA	513 > 468.8	1.04e2	8.46e3	0.264		5.03	4.99	0.154	0.1911	
9	21	N-MeFOSAA	570.1 > 419		3.51e3	0.264		5.20				
10	22	N-EtFOSAA	584.2 > 419		3.84e3	0.264		5.30				
11	23	PFUdA	563.0 > 518.9		8.27e3	0.264		5.36				

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-51.qld

Last Altered: Sunday, February 04, 2018 11:26:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:27:29 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_51, Date: 30-Jan-2018, Time: 21:06:58, ID: 1800127-02 IRSite1-GW-01W53A-20180116 0.26369, Description: IRSite1-GW-01W53A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0	1.24e1	7.43e3	0.264		5.65	5.61	0.0209		
2	27	PFTrDA	662.9 > 618.9		2.87e3	0.264		5.90				
3	28	PFTeDA	712.9 > 668.8		2.87e3	0.264		6.12				
4	36	13C3-PFBS	302. > 98.8	1.07e3	9.39e3	0.264	0.109	2.56	2.53	1.43	49.6704	104.8
5	37	13C2-PFHxA	315 > 269.8	2.40e3	9.39e3	0.264	0.684	3.05	3.03	3.20	17.7401	93.6
6	38	13C4-PFHpA	367.2 > 321.8	6.71e3	9.39e3	0.264	0.732	3.68	3.65	8.93	46.2720	97.6
7	39	18O2-PFHxS	403.0 > 102.6	8.38e2	2.46e3	0.264	0.318	3.80	3.80	4.26	50.7785	107.1
8	40	13C2-6:2 FTS	429.1 > 408.9	1.97e3	1.06e4	0.264	0.263	4.15	4.12	2.32	33.3784	70.4
9	41	13C2-PFOA	414.9 > 369.7	9.91e3	1.06e4	0.264	1.120	4.20	4.18	11.7	39.5119	83.4
10	42	13C5-PFNA	468.2 > 422.9	8.78e3	1.03e4	0.264	0.921	4.65	4.62	10.7	43.9034	92.6
11	43	13C8-PFOSA	506.1 > 77.7	1.89e3	1.05e4	0.264	0.245	4.70	4.68	2.25	34.9085	73.6
12	44	13C8-PFOS	507.0 > 79.9	2.54e3	2.63e3	0.264	1.034	4.75	4.70	12.1	44.3282	93.5
13	45	13C2-PFDA	515.1 > 469.9	8.46e3	8.46e3	0.264	1.080	5.03	4.99	12.5	43.9075	92.6
14	46	13C2-8:2 FTS	529.1 > 508.7	1.28e3	9.39e3	0.264	0.165	5.00	4.96	1.70	39.0851	82.5
15	47	d3-N-MeFOSAA	573.3 > 419	3.51e3	1.05e4	0.264	0.398	5.20	5.14	4.19	39.9957	84.4
16	48	d5-N-EtFOSAA	589.3 > 419	3.84e3	1.05e4	0.264	0.425	5.30	5.30	4.58	40.9028	86.3
17	49	13C2-PFUdA	565 > 519.8	8.27e3	1.05e4	0.264	1.047	5.36	5.32	9.88	35.7799	75.5
18	50	13C2-PFDoA	615.0 > 569.7	7.43e3	1.05e4	0.264	0.805	5.65	5.60	8.87	41.7871	88.2
19	52	13C2-PFTeDA	714.8 > 669.6	2.87e3	1.05e4	0.264	0.367	6.12	6.07	3.42	35.3831	74.6
20	57	13C4-PFBA	217. > 171.8	8.16e3	8.16e3	0.264	1.000	1.30	1.30	12.5	47.4041	100.0
21	58	13C5-PFHxA	318 > 272.9	9.39e3	9.39e3	0.264	1.000	3.05	3.03	12.5	47.4041	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.46e3	2.46e3	0.264	1.000	3.80	3.80	12.5	47.4041	100.0
23	60	13C8-PFOA	421.3 > 376	1.06e4	1.06e4	0.264	1.000	4.20	4.17	12.5	47.4041	100.0
24	61	13C9-PFNA	472.2 > 426.9	1.03e4	1.03e4	0.264	1.000	4.65	4.62	12.5	47.4041	100.0
25	62	13C4-PFOS	503 > 79.9	2.63e3	2.63e3	0.264	1.000	4.60	4.70	12.5	47.4041	100.0
26	63	13C6-PFDA	519.1 > 473.7	8.46e3	8.46e3	0.264	1.000	5.03	4.99	12.5	47.4041	100.0
27	64	13C7-PFUdA	570.1 > 524.8	1.05e4	1.05e4	0.264	1.000	5.36	5.32	12.5	47.4041	100.0
28	65	Total PFHxS	398.9 > 79.6	3.17e3	8.38e2	0.264		3.70		47.3	96.4645	
29	66	Total PFOA	413 > 368.7	1.66e4	9.91e3	0.264		4.20		21.0	75.7609	
30	67	Total PFOS	499 > 79.9	1.17e3	2.54e3	0.264		4.70		5.74	20.6937	
31	68	Total N-MeFOSAA	570.1 > 419	0.00e0	3.51e3	0.264		5.20		0.000		
32	69	Total N-EtFOSAA	584.2 > 419	0.00e0	3.84e3	0.264		5.30		0.000		

MSF 2/3/18

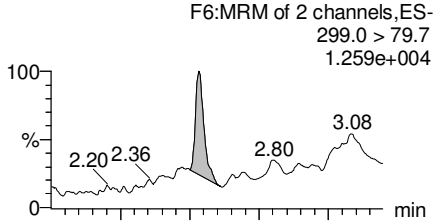
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-51.qld

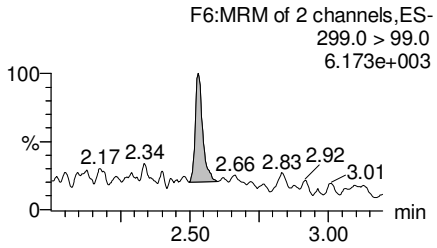
Last Altered: Sunday, February 04, 2018 11:26:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:27:29 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

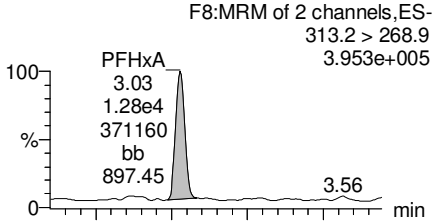
Name: 180130M2_51, Date: 30-Jan-2018, Time: 21:06:58, ID: 1800127-02 IRSite1-GW-01W53A-20180116 0.26369, Description: IRSite1-GW-01W53A-20180116

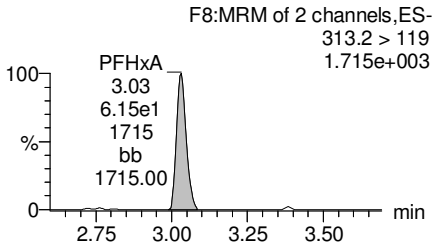
PFBS



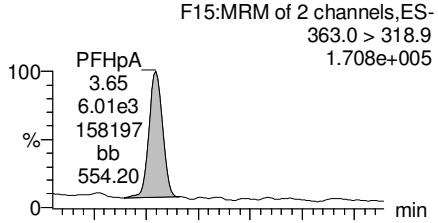


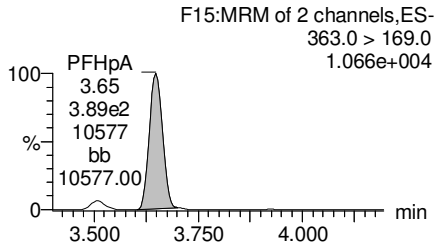
PFHxA



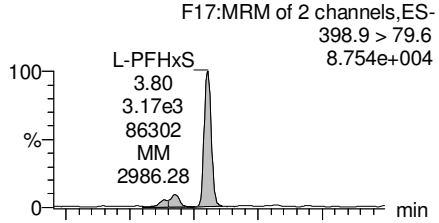


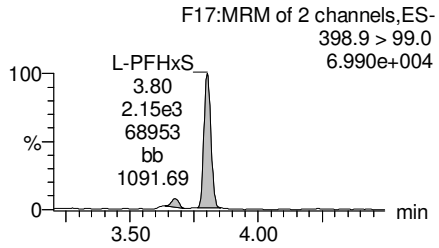
PFHpA



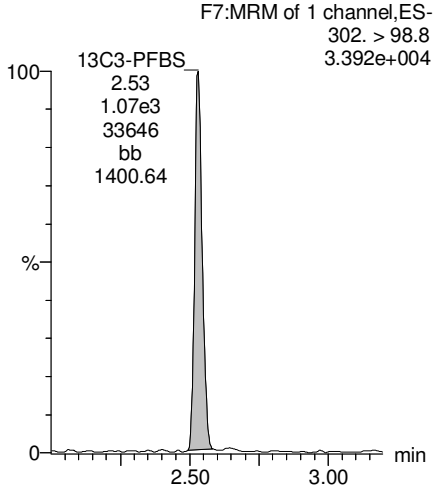


Total PFHxS





13C3-PFBS



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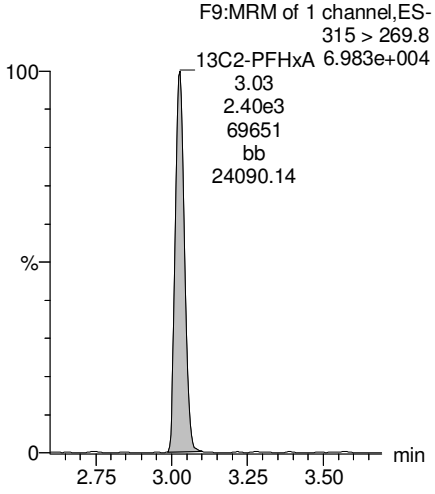

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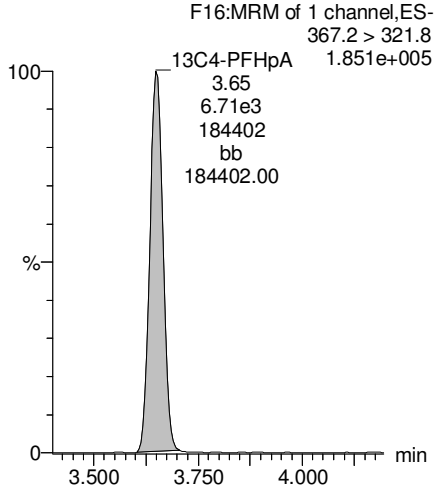
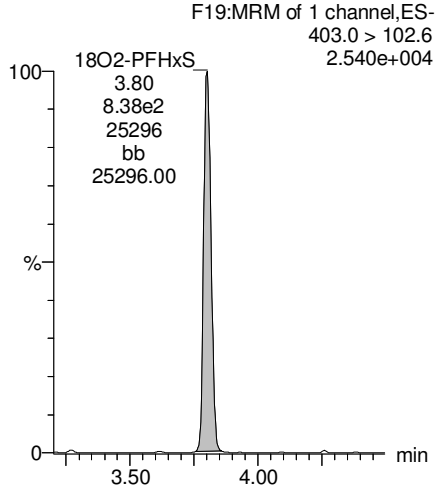


18O2-PFHxS



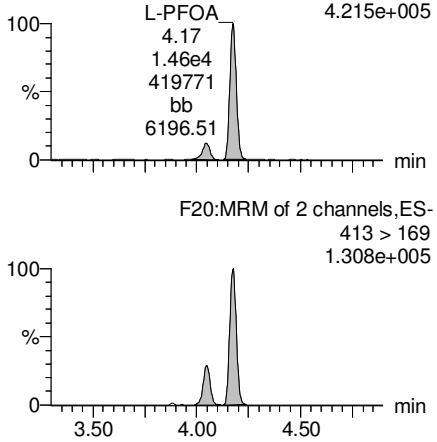
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-51.qld

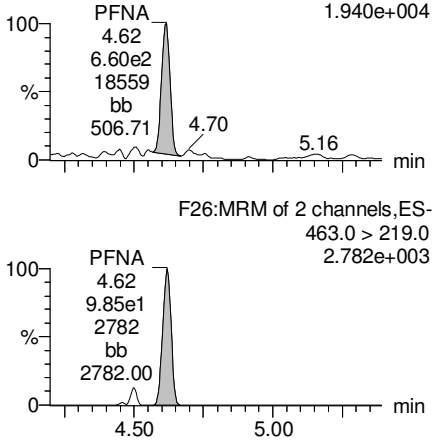
Last Altered: Sunday, February 04, 2018 11:26:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:27:29 Pacific Standard Time

Name: 180130M2_51, Date: 30-Jan-2018, Time: 21:06:58, ID: 1800127-02 IRSite1-GW-01W53A-20180116 0.26369, Description: IRSite1-GW-01W53A-20180116

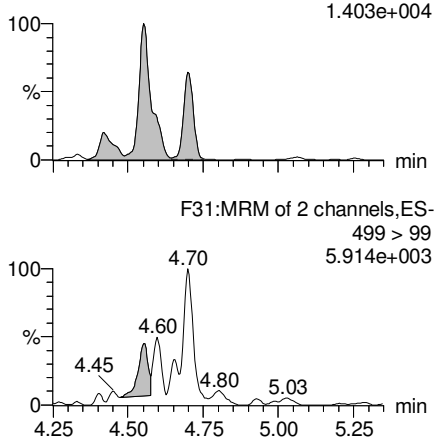
Total PFOA



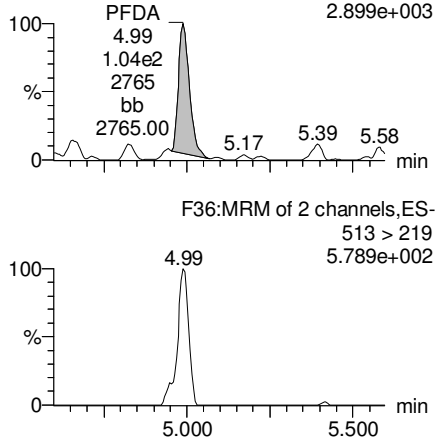
PFNA



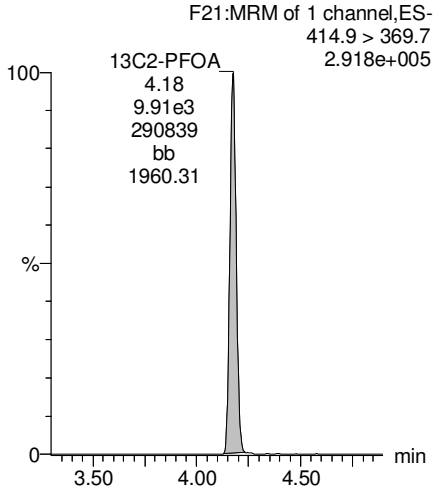
Total PFOS



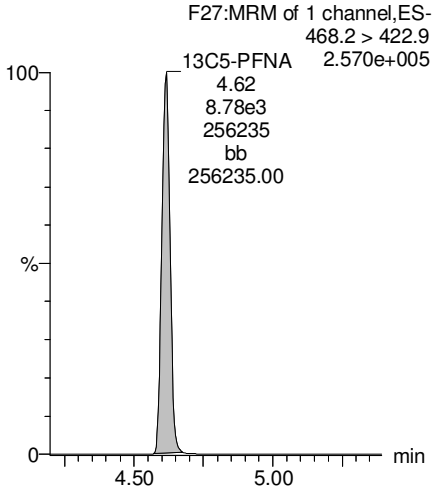
PFDA



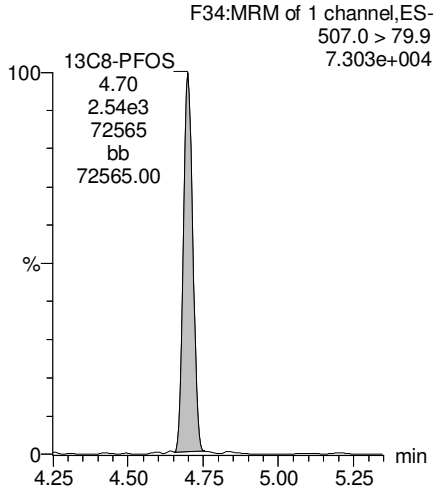
13C2-PFOA



13C5-PFNA



13C8-PFOS



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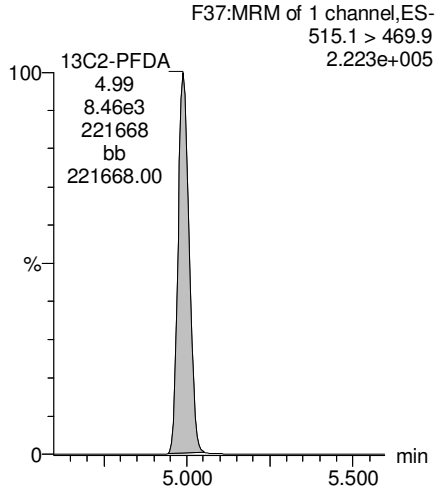


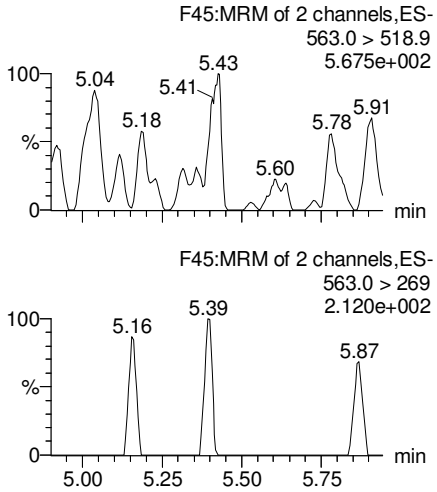
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-51.qld

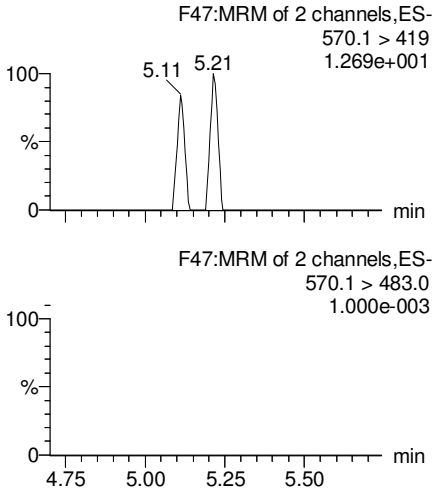
Last Altered: Sunday, February 04, 2018 11:26:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:27:29 Pacific Standard Time

Name: 180130M2_51, Date: 30-Jan-2018, Time: 21:06:58, ID: 1800127-02 IRSite1-GW-01W53A-20180116 0.26369, Description: IRSite1-GW-01W53A-20180116

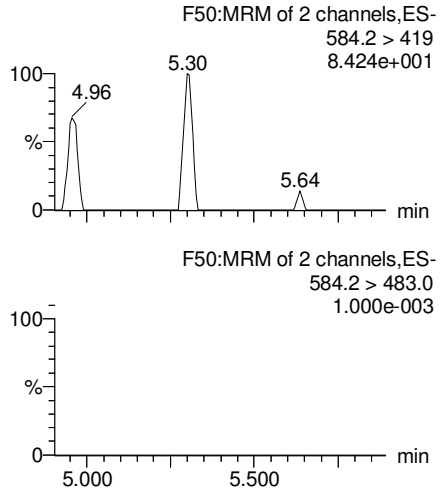
PFUdA



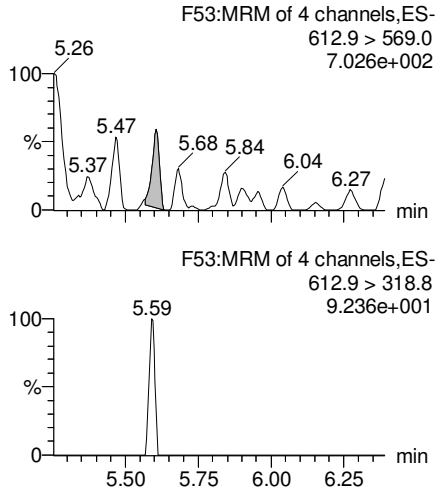
N-MeFOSAA



N-EtFOSAA



PFDoA



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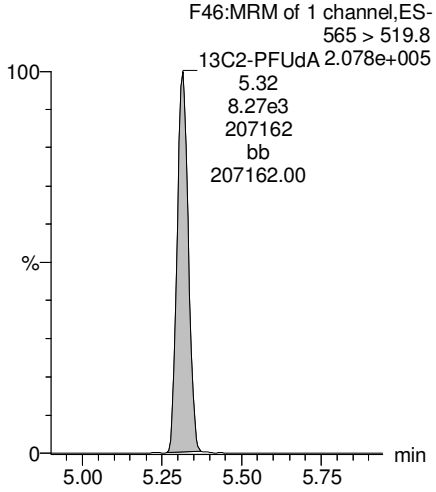

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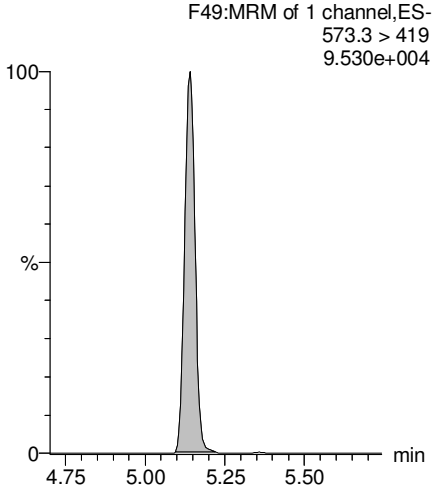

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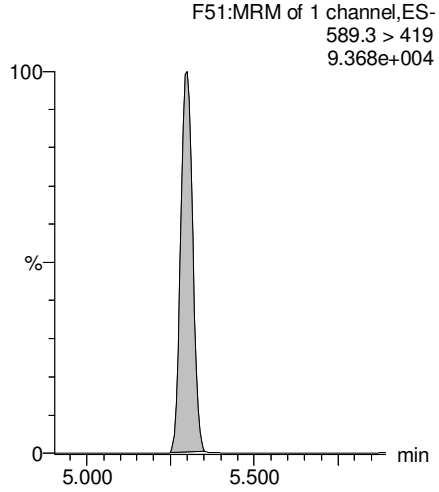

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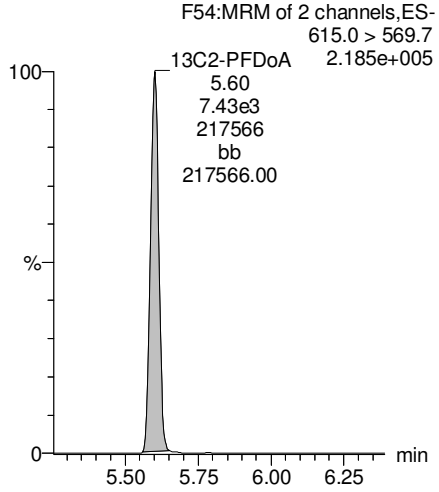


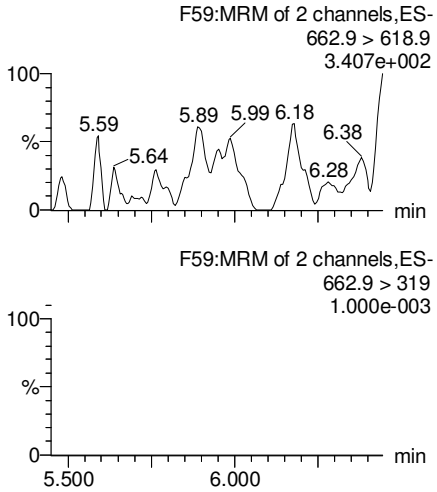
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-51.qld

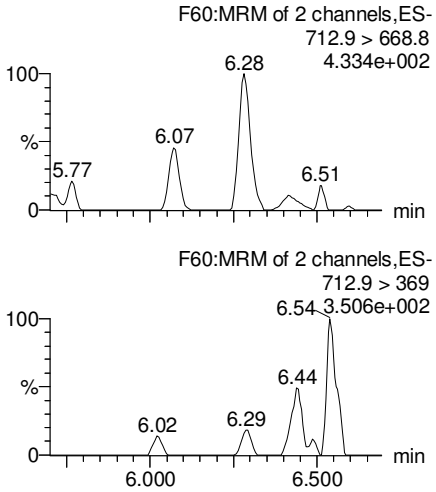
Last Altered: Sunday, February 04, 2018 11:26:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:27:29 Pacific Standard Time

Name: 180130M2_51, Date: 30-Jan-2018, Time: 21:06:58, ID: 1800127-02 IRSite1-GW-01W53A-20180116 0.26369, Description: IRSite1-GW-01W53A-20180116

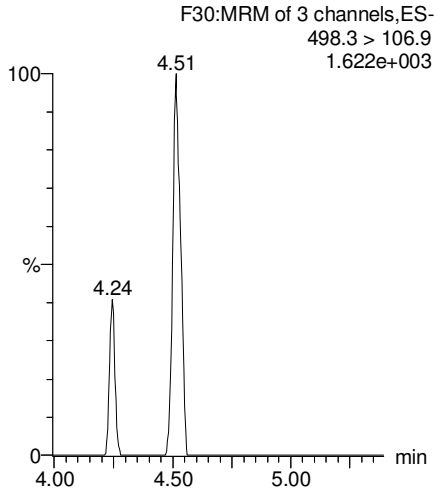
PFTrDA



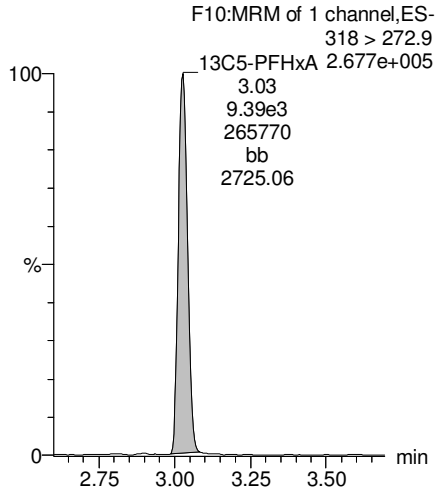
PFTeDA



TCDA



13C5-PFHxA



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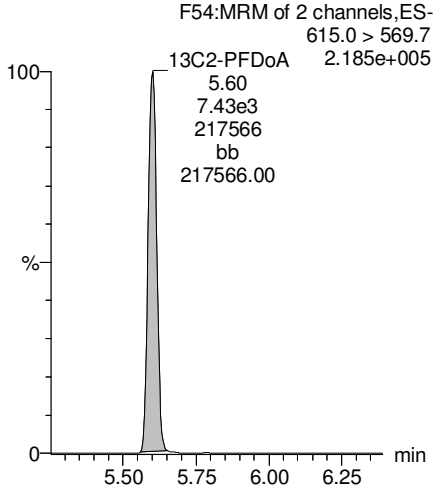

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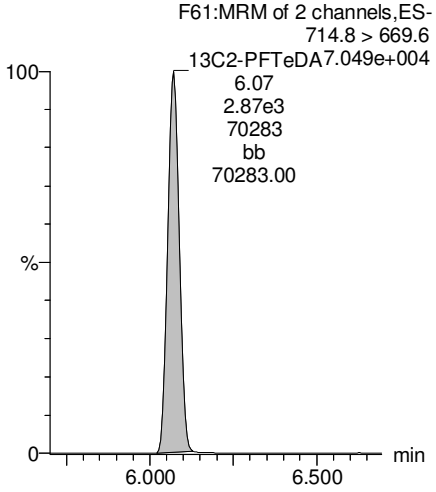

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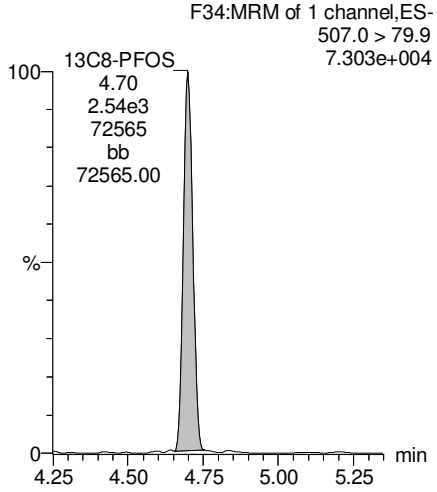
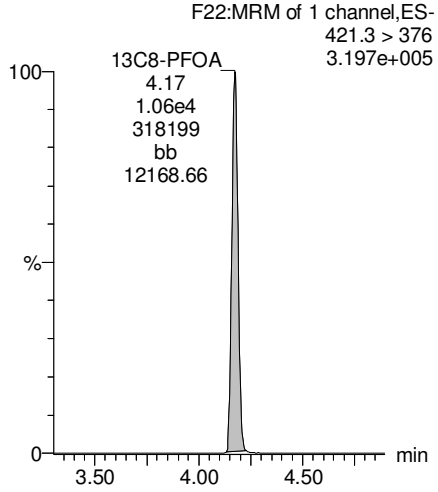


13C8-PFOA



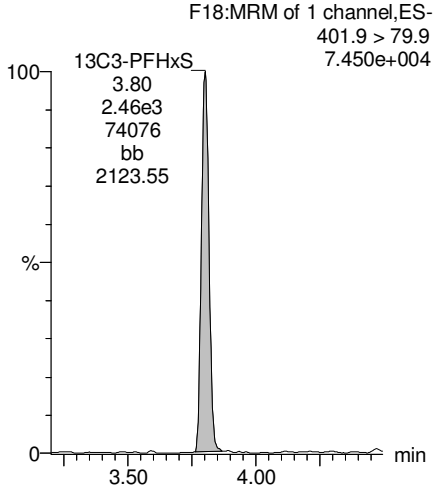
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-51.qld

Last Altered: Sunday, February 04, 2018 11:26:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:27:29 Pacific Standard Time

Name: 180130M2_51, Date: 30-Jan-2018, Time: 21:06:58, ID: 1800127-02 IRSite1-GW-01W53A-20180116 0.26369, Description: IRSite1-GW-01W53A-20180116

13C3-PFHxS



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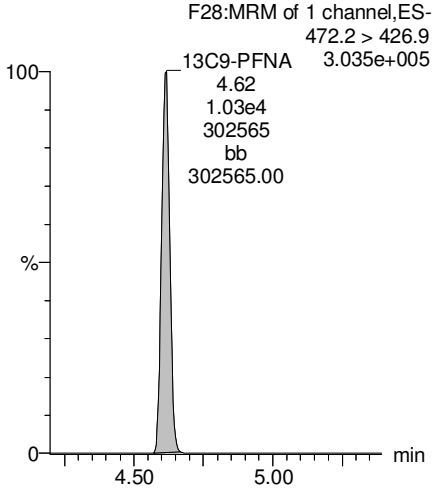
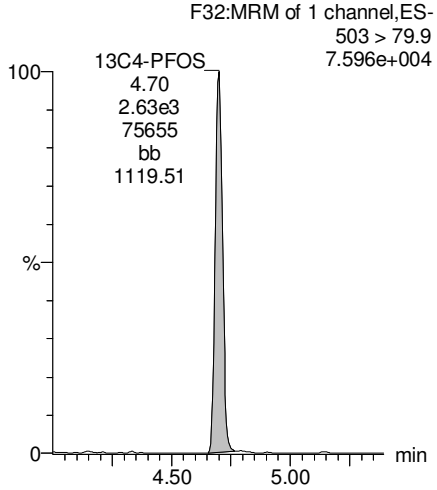
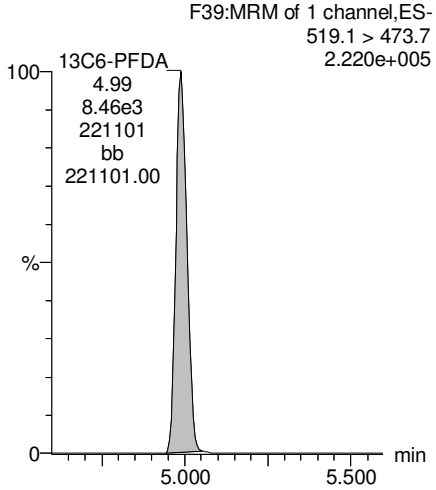


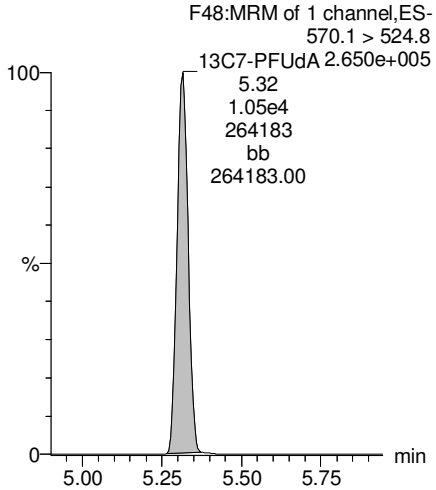
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-52.qld

Last Altered: Sunday, February 04, 2018 11:29:41 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:31:06 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_52, Date: 30-Jan-2018, Time: 21:18:25, ID: 1800127-03 IRSite1-GW-MW80A-20180116 0.23471, Description: IRSite1-GW-MW80A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		9.96e2	0.235		2.56				
2	5	PFHxA	313.2 > 268.9	4.74e3	2.14e3	0.235		3.05	3.01	11.0	29.1292	
3	7	PFHpA	363.0 > 318.9	1.54e3	6.56e3	0.235		3.68	3.64	2.94	10.1497	
4	8	L-PFHxS	398.9 > 79.6	1.28e2	7.87e2	0.235		3.80	3.80	2.04	4.6391	
5	11	L-PFOA	413 > 368.7	1.95e4	9.92e3	0.235		4.20	4.17	24.5	100.5640	
6	14	PFNA	463.0 > 418.8		8.30e3	0.235		4.65				
7	16	L-PFOS	499 > 79.9		2.60e3	0.235		4.75				
8	18	PFDA	513 > 468.8		8.72e3	0.235		5.03				
9	21	N-MeFOSAA	570.1 > 419		2.98e3	0.235		5.20				
10	22	N-EtFOSAA	584.2 > 419		4.11e3	0.235		5.30				
11	23	PFUdA	563.0 > 518.9		7.74e3	0.235		5.36				

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-52.qld

Last Altered: Sunday, February 04, 2018 11:29:41 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:31:22 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_52, Date: 30-Jan-2018, Time: 21:18:25, ID: 1800127-03 IRSite1-GW-MW80A-20180116 0.23471, Description: IRSite1-GW-MW80A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		7.87e3	0.235		5.65				
2	27	PFTrDA	662.9 > 618.9		2.99e3	0.235		5.90				
3	28	PFTeDA	712.9 > 668.8		2.99e3	0.235		6.12				
4	36	13C3-PFBS	302. > 98.8	9.96e2	8.20e3	0.235	0.109	2.56	2.50	1.52	59.2194	111.2
5	37	13C2-PFHxA	315 > 269.8	2.14e3	8.20e3	0.235	0.684	3.05	3.01	3.27	20.3573	95.6
6	38	13C4-PFHpA	367.2 > 321.8	6.56e3	8.20e3	0.235	0.732	3.68	3.64	9.99	58.1385	109.2
7	39	18O2-PFHxS	403.0 > 102.6	7.87e2	2.50e3	0.235	0.318	3.80	3.80	3.94	52.7112	99.0
8	40	13C2-6:2 FTS	429.1 > 408.9	2.21e3	9.14e3	0.235	0.263	4.15	4.11	3.02	48.8423	91.7
9	41	13C2-PFOA	414.9 > 369.7	9.92e3	9.14e3	0.235	1.120	4.20	4.17	13.6	51.6115	96.9
10	42	13C5-PFNA	468.2 > 422.9	8.30e3	1.08e4	0.235	0.921	4.65	4.61	9.57	44.3050	83.2
11	43	13C8-PFOSA	506.1 > 77.7	1.52e3	1.29e4	0.235	0.245	4.70	4.68	1.48	25.7724	48.4
12	44	13C8-PFOS	507.0 > 79.9	2.60e3	2.48e3	0.235	1.034	4.75	4.69	13.1	53.9705	101.3
13	45	13C2-PFDA	515.1 > 469.9	8.72e3	8.96e3	0.235	1.080	5.03	4.99	12.2	47.9827	90.1
14	46	13C2-8:2 FTS	529.1 > 508.7	2.20e3	8.20e3	0.235	0.165	5.00	4.96	3.36	86.7775	162.9
15	47	d3-N-MeFOSAA	573.3 > 419	2.98e3	1.29e4	0.235	0.398	5.20	5.14	2.89	30.9702	58.2
16	48	d5-N-EtFOSAA	589.3 > 419	4.11e3	1.29e4	0.235	0.425	5.30	5.30	3.99	40.0344	75.2
17	49	13C2-PFUdA	565 > 519.8	7.74e3	1.29e4	0.235	1.047	5.36	5.32	7.53	30.6104	57.5
18	50	13C2-PFDoA	615.0 > 569.7	7.87e3	1.29e4	0.235	0.805	5.65	5.60	7.65	40.4680	76.0
19	52	13C2-PFTeDA	714.8 > 669.6	2.99e3	1.29e4	0.235	0.367	6.12	6.07	2.90	33.7198	63.3
20	57	13C4-PFBA	217. > 171.8	6.92e3	6.92e3	0.235	1.000	1.30	1.29	12.5	53.2572	100.0
21	58	13C5-PFHxA	318 > 272.9	8.20e3	8.20e3	0.235	1.000	3.05	3.01	12.5	53.2572	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.50e3	2.50e3	0.235	1.000	3.80	3.80	12.5	53.2572	100.0
23	60	13C8-PFOA	421.3 > 376	9.14e3	9.14e3	0.235	1.000	4.20	4.17	12.5	53.2572	100.0
24	61	13C9-PFNA	472.2 > 426.9	1.08e4	1.08e4	0.235	1.000	4.65	4.61	12.5	53.2572	100.0
25	62	13C4-PFOS	503 > 79.9	2.48e3	2.48e3	0.235	1.000	4.60	4.70	12.5	53.2572	100.0
26	63	13C6-PFDA	519.1 > 473.7	8.96e3	8.96e3	0.235	1.000	5.03	4.99	12.5	53.2572	100.0
27	64	13C7-PFUdA	570.1 > 524.8	1.29e4	1.29e4	0.235	1.000	5.36	5.32	12.5	53.2572	100.0
28	65	Total PFHxS	398.9 > 79.6	1.28e2	7.87e2	0.235		3.70		2.04	4.6391	
29	66	Total PFOA	413 > 368.7	2.32e4	9.92e3	0.235		4.20		29.3	119.5207	
30	67	Total PFOS	499 > 79.9	0.00e0	2.60e3	0.235		4.70		0.000		
31	68	Total N-MeFOSAA	570.1 > 419	0.00e0	2.98e3	0.235		5.20		0.000		
32	69	Total N-EtFOSAA	584.2 > 419	0.00e0	4.11e3	0.235		5.30		0.000		

MSF 2/3/18

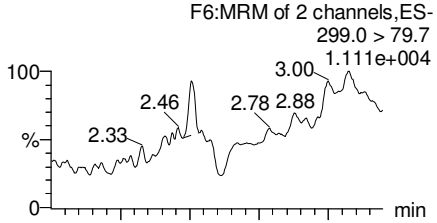
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-52.qld

Last Altered: Sunday, February 04, 2018 11:29:41 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:31:22 Pacific Standard Time

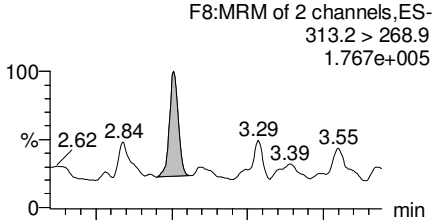
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_52, Date: 30-Jan-2018, Time: 21:18:25, ID: 1800127-03 IRSite1-GW-MW80A-20180116 0.23471, Description: IRSite1-GW-MW80A-20180116

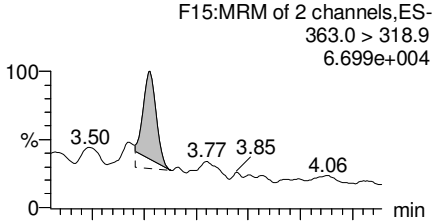
PFBS



PFHxA



PFHpA



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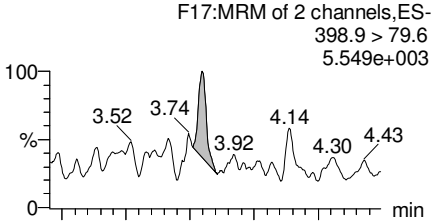
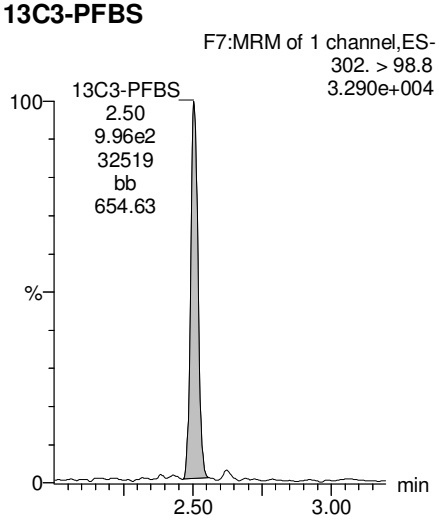


13C3-PFBS



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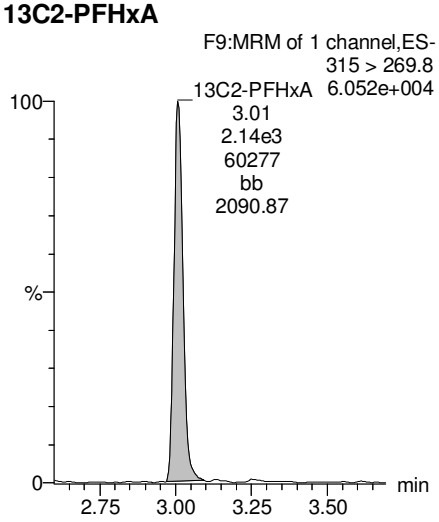

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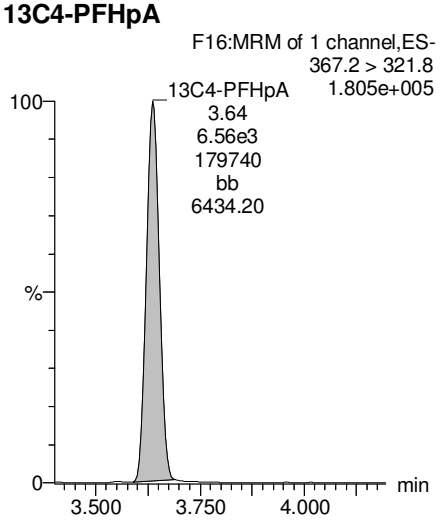

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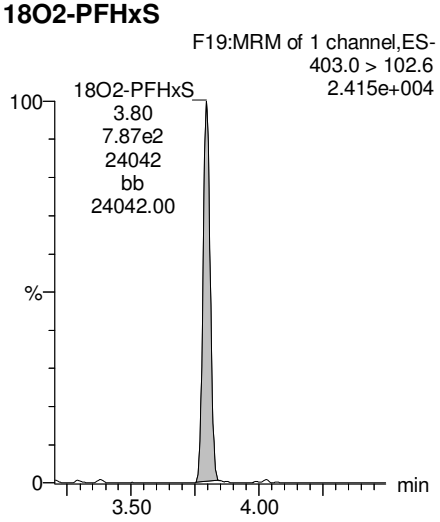


MSF 2/3/18

Vista Analytical Laboratory

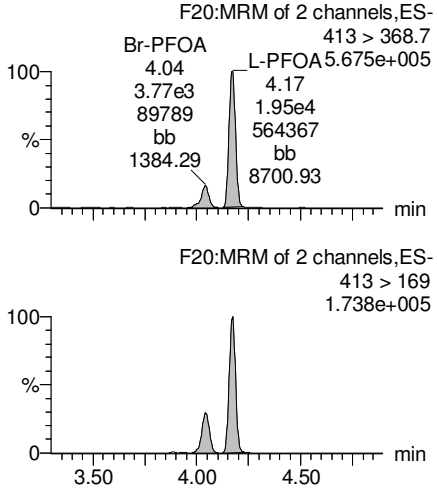
Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-52.qld

Last Altered: Sunday, February 04, 2018 11:29:41 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:31:22 Pacific Standard Time

Name: 180130M2_52, Date: 30-Jan-2018, Time: 21:18:25, ID: 1800127-03 IRSite1-GW-MW80A-20180116 0.23471, Description: IRSite1-GW-MW80A-20180116

Total PFOA



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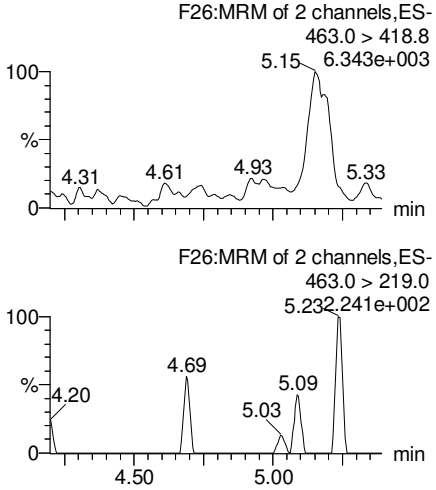
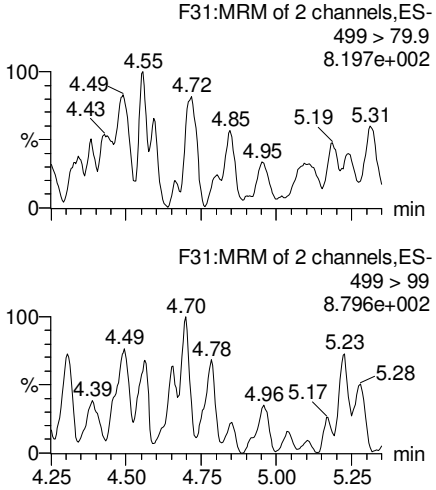
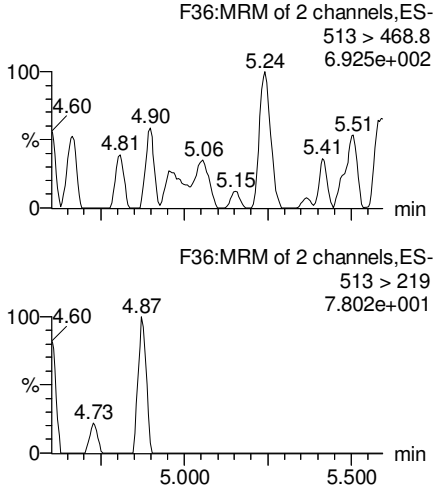


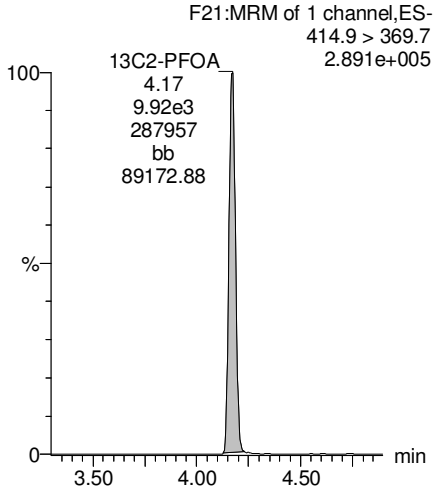
Total PFOS



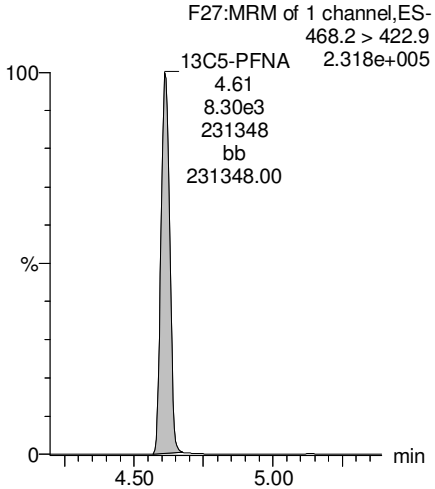
PFDA



13C2-PFOA



13C5-PFNA



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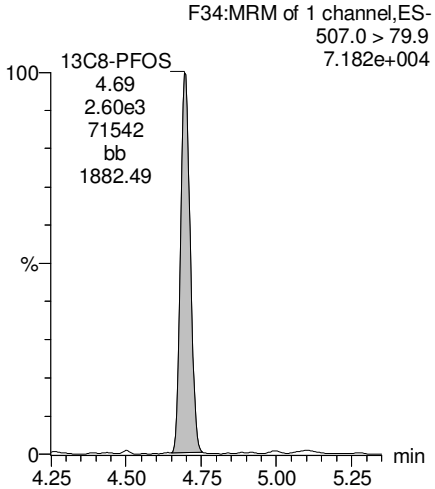
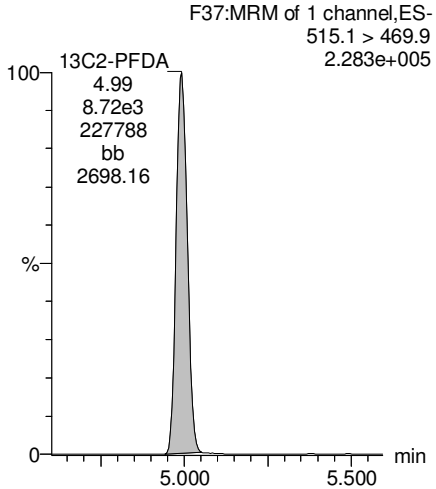


13C2-PFDA



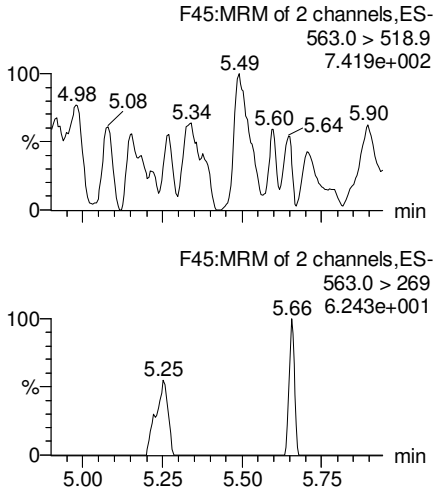
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-52.qld

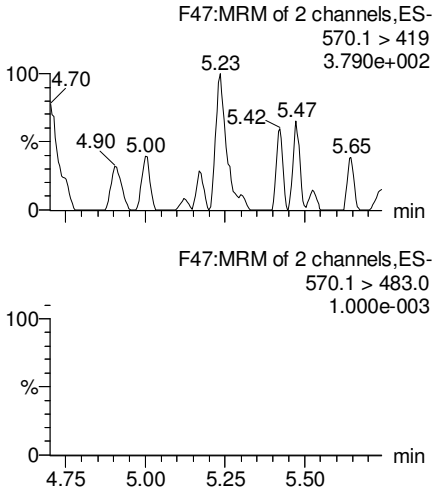
Last Altered: Sunday, February 04, 2018 11:29:41 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:31:22 Pacific Standard Time

Name: 180130M2_52, Date: 30-Jan-2018, Time: 21:18:25, ID: 1800127-03 IRSite1-GW-MW80A-20180116 0.23471, Description: IRSite1-GW-MW80A-20180116

PFUdA



N-MeFOSAA



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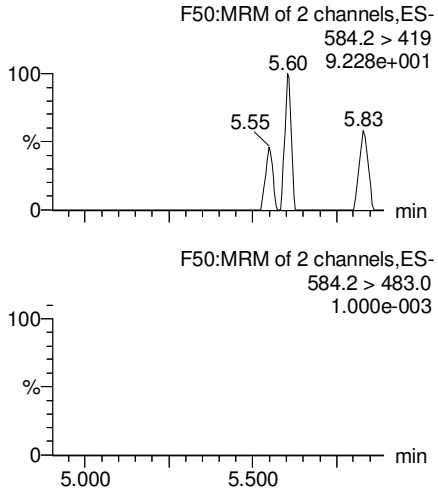
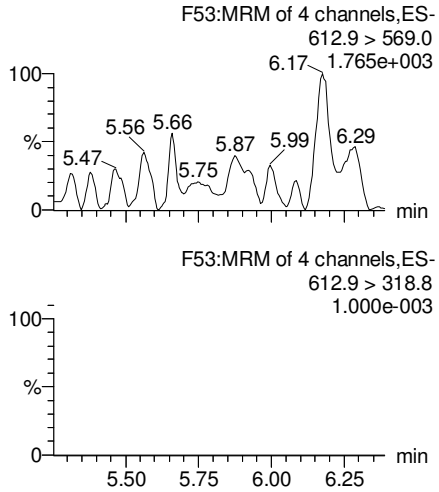


PFDoA



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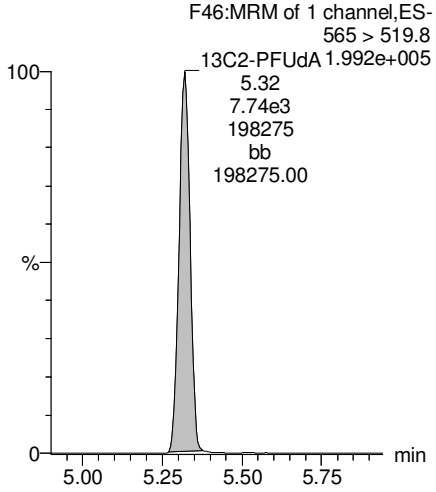

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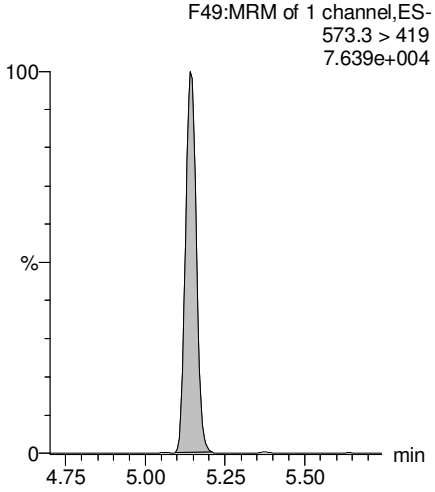

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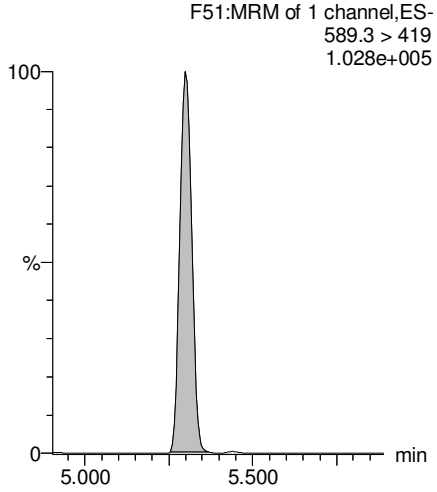

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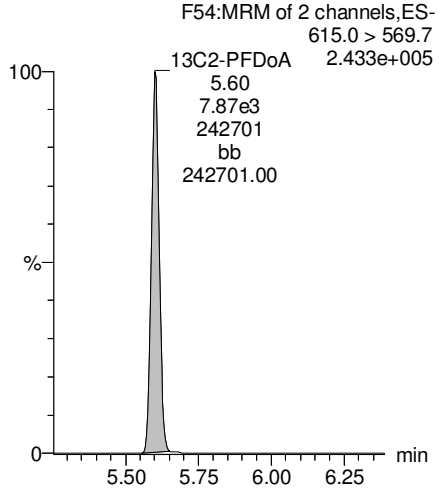


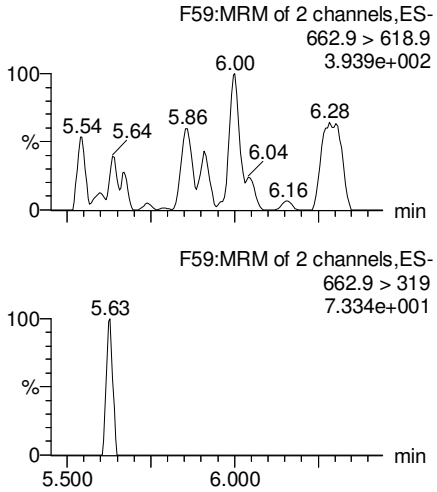
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-52.qld

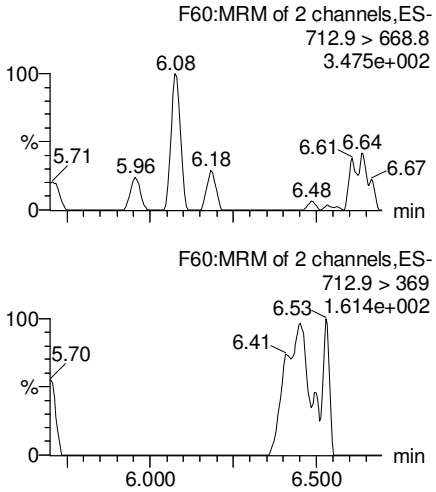
Last Altered: Sunday, February 04, 2018 11:29:41 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:31:22 Pacific Standard Time

Name: 180130M2_52, Date: 30-Jan-2018, Time: 21:18:25, ID: 1800127-03 IRSite1-GW-MW80A-20180116 0.23471, Description: IRSite1-GW-MW80A-20180116

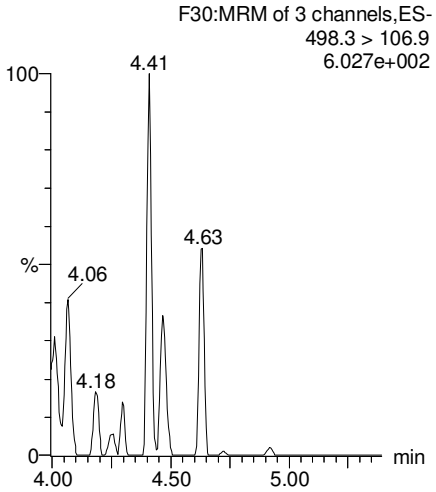
PFTrDA



PFTeDA



TCDA



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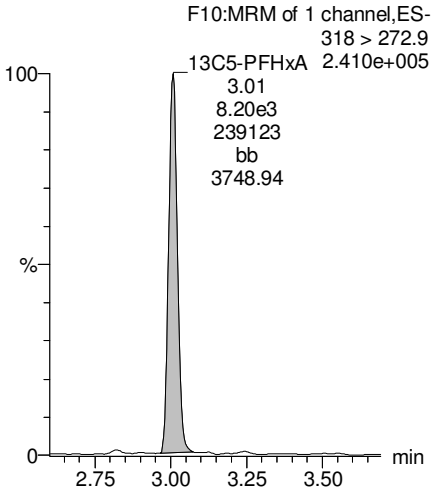

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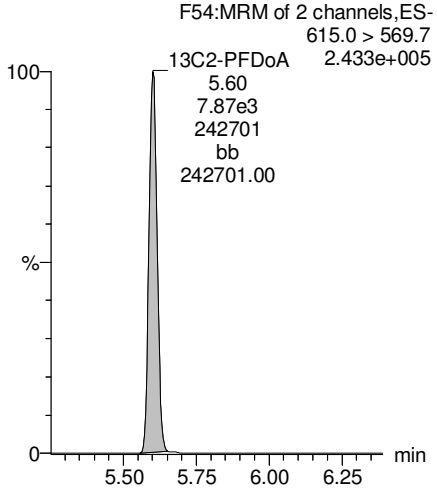

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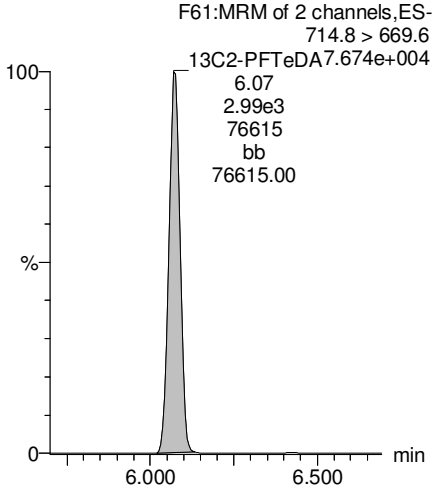
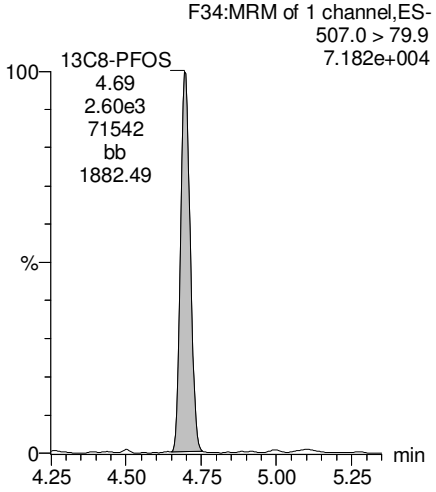
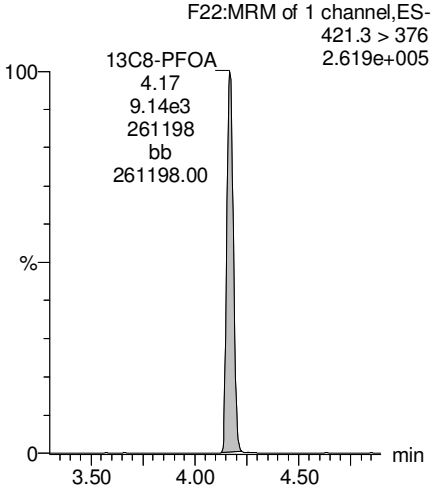


13C8-PFOS



13C8-PFOA



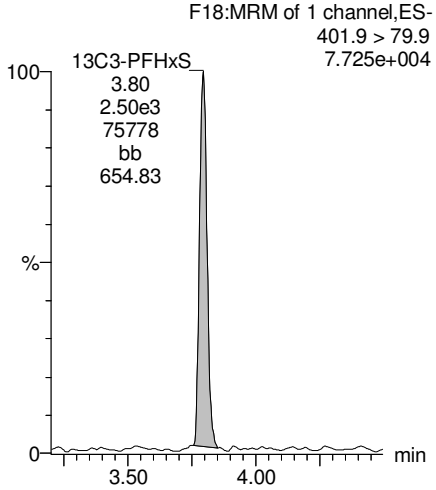
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-52.qld

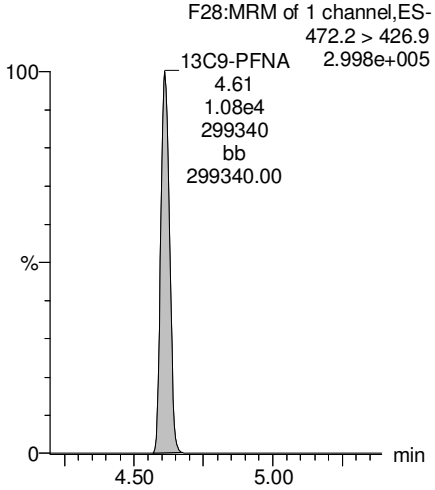
Last Altered: Sunday, February 04, 2018 11:29:41 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:31:22 Pacific Standard Time

Name: 180130M2_52, Date: 30-Jan-2018, Time: 21:18:25, ID: 1800127-03 IRSite1-GW-MW80A-20180116 0.23471, Description: IRSite1-GW-MW80A-20180116

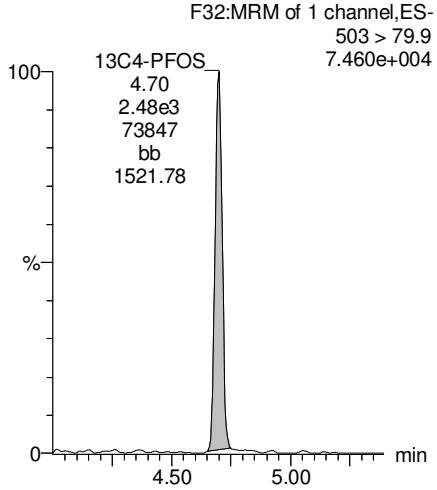
13C3-PFHxS



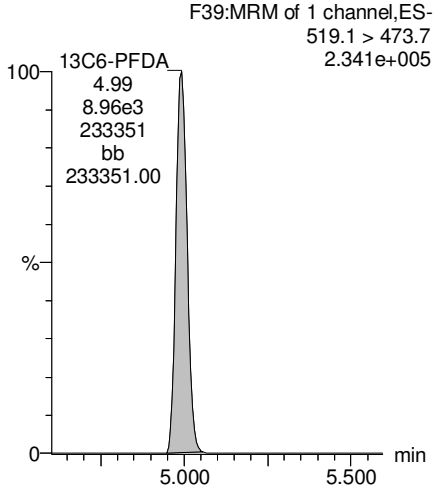
13C9-PFNA



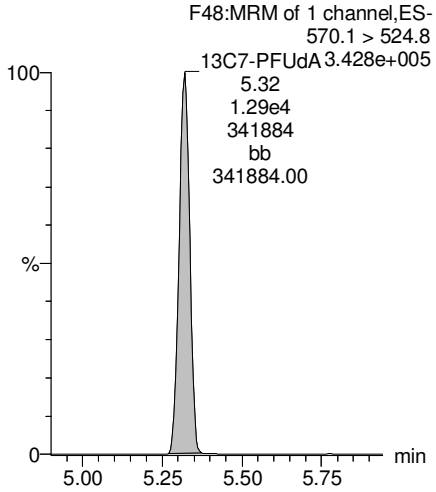
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-53.qld

Last Altered: Sunday, February 04, 2018 11:34:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:34:58 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_53, Date: 30-Jan-2018, Time: 21:29:51, ID: 1800127-04 IRSite1-GW-01W28B-20180116 0.27609, Description: IRSite1-GW-01W28B-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.21e3	0.276		2.56				
2	5	PFHxA	313.2 > 268.9		2.87e3	0.276		3.05				
3	7	PFHpA	363.0 > 318.9		7.07e3	0.276		3.68				
4	8	L-PFHxS	398.9 > 79.6	1.05e1	8.76e2	0.276		3.80	3.80	0.150	0.2582	
5	11	L-PFOA	413 > 368.7		1.08e4	0.276		4.20				
6	14	PFNA	463.0 > 418.8		7.21e3	0.276		4.65				
7	16	L-PFOS	499 > 79.9		2.28e3	0.276		4.75				
8	18	PFDA	513 > 468.8		8.45e3	0.276		5.03				
9	21	N-MeFOSAA	570.1 > 419		3.06e3	0.276		5.20				
10	22	N-EtFOSAA	584.2 > 419		3.21e3	0.276		5.30				
11	23	PFUdA	563.0 > 518.9		1.01e4	0.276		5.36				

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-53.qld

Last Altered: Sunday, February 04, 2018 11:34:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:35:14 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_53, Date: 30-Jan-2018, Time: 21:29:51, ID: 1800127-04 IRSite1-GW-01W28B-20180116 0.27609, Description: IRSite1-GW-01W28B-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		6.61e3	0.276		5.65				
2	27	PFTrDA	662.9 > 618.9		3.04e3	0.276		5.90				
3	28	PFTeDA	712.9 > 668.8	1.10e1	3.04e3	0.276		6.12	6.07	0.0453		
4	36	13C3-PFBS	302. > 98.8	1.21e3	1.05e4	0.276	0.109	2.56	2.55	1.45	47.9415	105.9
5	37	13C2-PFHxA	315 > 269.8	2.87e3	1.05e4	0.276	0.684	3.05	3.04	3.42	18.1294	100.1
6	38	13C4-PFHpA	367.2 > 321.8	7.07e3	1.05e4	0.276	0.732	3.68	3.66	8.43	41.7099	92.1
7	39	18O2-PFHxS	403.0 > 102.6	8.76e2	2.75e3	0.276	0.318	3.80	3.81	3.97	45.1885	99.8
8	40	13C2-6:2 FTS	429.1 > 408.9	2.06e3	1.02e4	0.276	0.263	4.15	4.13	2.52	34.7081	76.7
9	41	13C2-PFOA	414.9 > 369.7	1.08e4	1.02e4	0.276	1.120	4.20	4.18	13.2	42.7316	94.4
10	42	13C5-PFNA	468.2 > 422.9	7.21e3	9.44e3	0.276	0.921	4.65	4.62	9.55	37.5707	83.0
11	43	13C8-PFOSA	506.1 > 77.7	1.74e3	8.81e3	0.276	0.245	4.70	4.68	2.47	36.5614	80.8
12	44	13C8-PFOS	507.0 > 79.9	2.28e3	2.82e3	0.276	1.034	4.75	4.70	10.1	35.3960	78.2
13	45	13C2-PFDA	515.1 > 469.9	8.45e3	8.48e3	0.276	1.080	5.03	4.99	12.5	41.7789	92.3
14	46	13C2-8:2 FTS	529.1 > 508.7	1.15e3	1.05e4	0.276	0.165	5.00	4.96	1.37	30.0947	66.5
15	47	d3-N-MeFOSAA	573.3 > 419	3.06e3	8.81e3	0.276	0.398	5.20	5.14	4.34	39.4966	87.2
16	48	d5-N-EtFOSAA	589.3 > 419	3.21e3	8.81e3	0.276	0.425	5.30	5.30	4.55	38.7841	85.7
17	49	13C2-PFUdA	565 > 519.8	1.01e4	8.81e3	0.276	1.047	5.36	5.31	14.3	49.5053	109.3
18	50	13C2-PFDoA	615.0 > 569.7	6.61e3	8.81e3	0.276	0.805	5.65	5.60	9.37	42.1465	93.1
19	52	13C2-PFTeDA	714.8 > 669.6	3.04e3	8.81e3	0.276	0.367	6.12	6.07	4.31	42.5650	94.0
20	57	13C4-PFBA	217. > 171.8	8.53e3	8.53e3	0.276	1.000	1.30	1.31	12.5	45.2751	100.0
21	58	13C5-PFHxA	318 > 272.9	1.05e4	1.05e4	0.276	1.000	3.05	3.04	12.5	45.2751	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.75e3	2.75e3	0.276	1.000	3.80	3.81	12.5	45.2751	100.0
23	60	13C8-PFOA	421.3 > 376	1.02e4	1.02e4	0.276	1.000	4.20	4.18	12.5	45.2751	100.0
24	61	13C9-PFNA	472.2 > 426.9	9.44e3	9.44e3	0.276	1.000	4.65	4.62	12.5	45.2751	100.0
25	62	13C4-PFOS	503 > 79.9	2.82e3	2.82e3	0.276	1.000	4.60	4.70	12.5	45.2751	100.0
26	63	13C6-PFDA	519.1 > 473.7	8.48e3	8.48e3	0.276	1.000	5.03	4.99	12.5	45.2751	100.0
27	64	13C7-PFUdA	570.1 > 524.8	8.81e3	8.81e3	0.276	1.000	5.36	5.32	12.5	45.2751	100.0
28	65	Total PFHxS	398.9 > 79.6	1.05e1	8.76e2	0.276		3.70		0.150	0.2582	
29	66	Total PFOA	413 > 368.7	0.00e0	1.08e4	0.276		4.20		0.000		
30	67	Total PFOS	499 > 79.9	0.00e0	2.28e3	0.276		4.70		0.000		
31	68	Total N-MeFOSAA	570.1 > 419	0.00e0	3.06e3	0.276		5.20		0.000		
32	69	Total N-EtFOSAA	584.2 > 419	0.00e0	3.21e3	0.276		5.30		0.000		

MSF 2/3/18

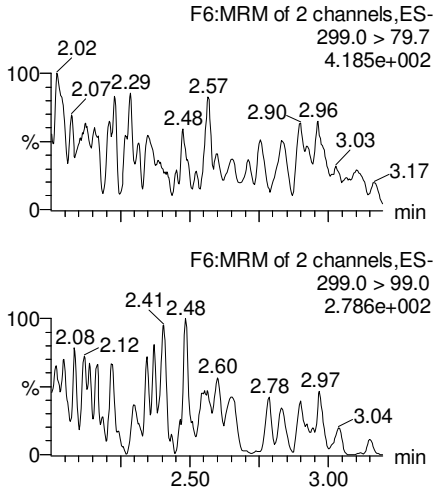
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-53.qld

Last Altered: Sunday, February 04, 2018 11:34:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:35:14 Pacific Standard Time

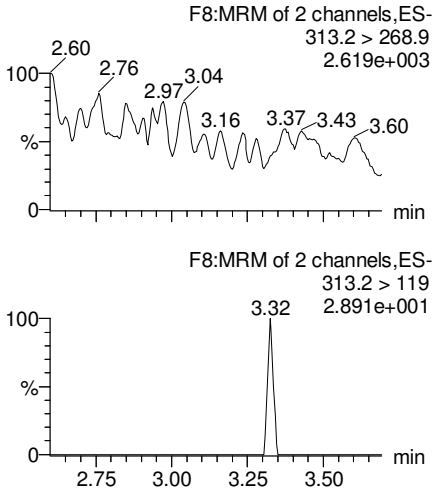
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_53, Date: 30-Jan-2018, Time: 21:29:51, ID: 1800127-04 IRSite1-GW-01W28B-20180116 0.27609, Description: IRSite1-GW-01W28B-20180116

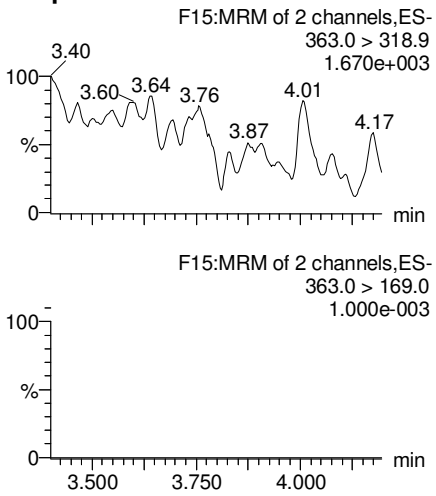
PFBS



PFHxA



PFHpA



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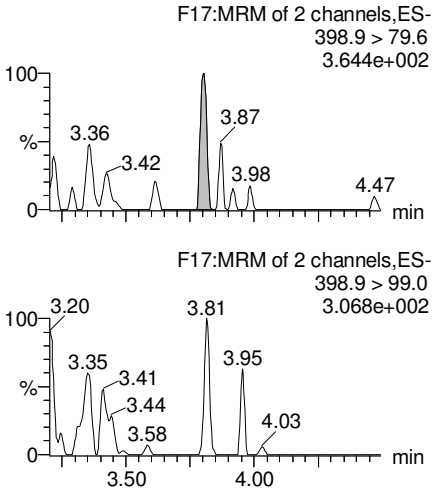

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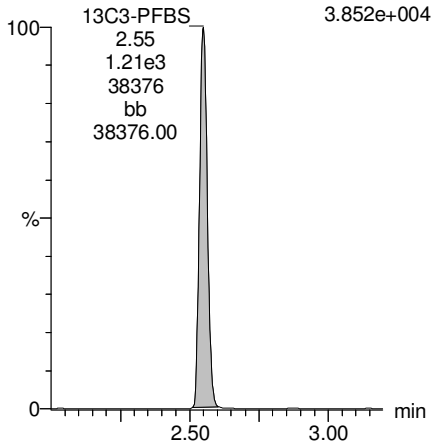
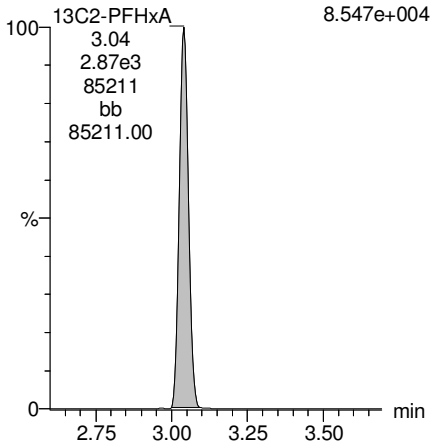
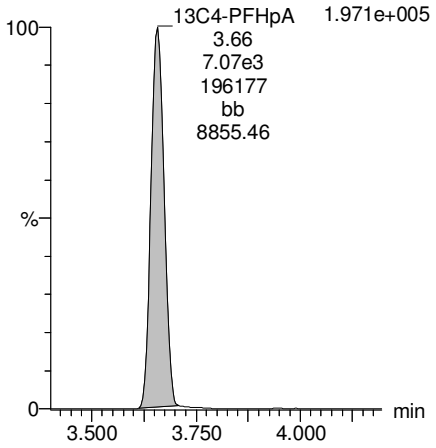


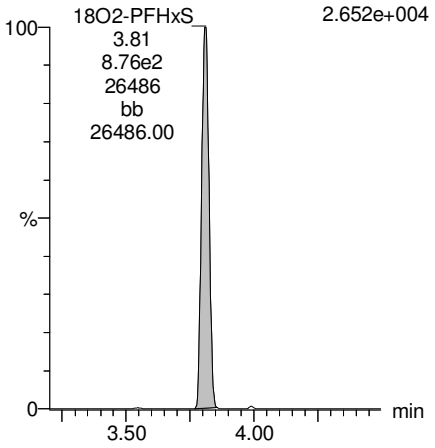
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



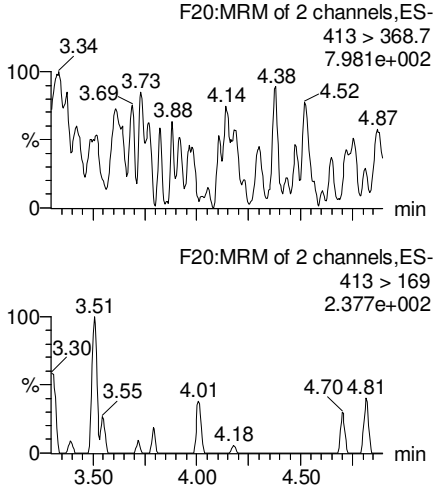
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-53.qld

Last Altered: Sunday, February 04, 2018 11:34:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:35:14 Pacific Standard Time

Name: 180130M2_53, Date: 30-Jan-2018, Time: 21:29:51, ID: 1800127-04 IRSite1-GW-01W28B-20180116 0.27609, Description: IRSite1-GW-01W28B-20180116

Total PFOA



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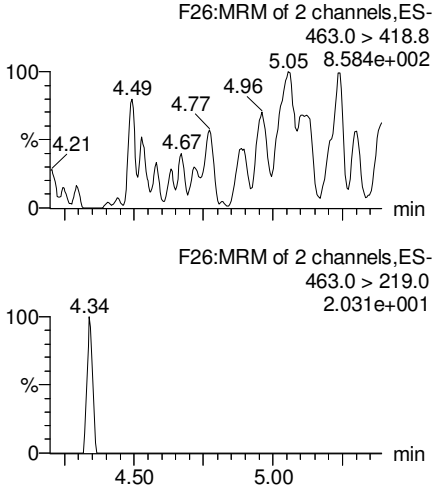
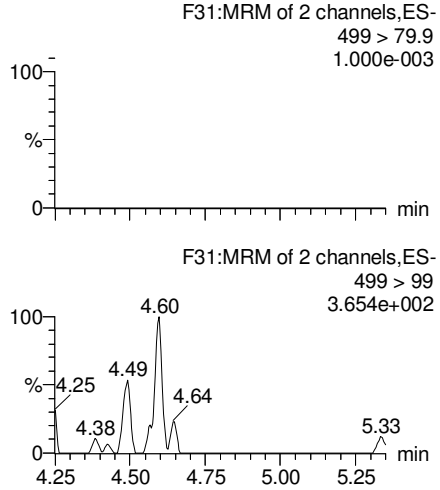


Total PFOS



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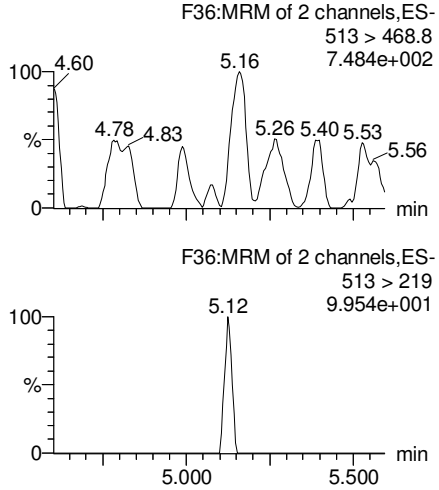

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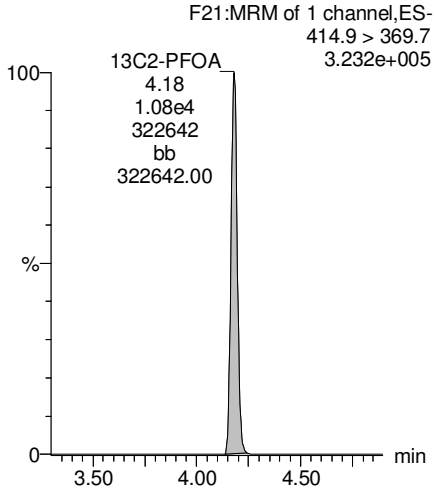
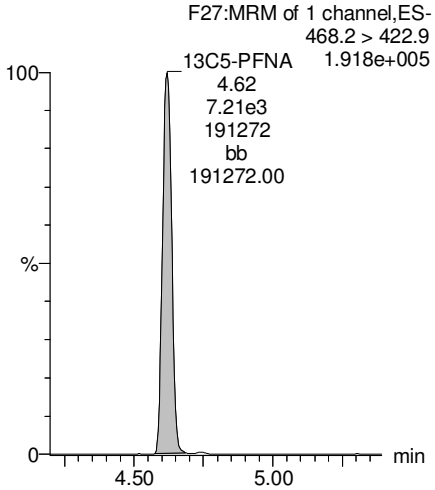
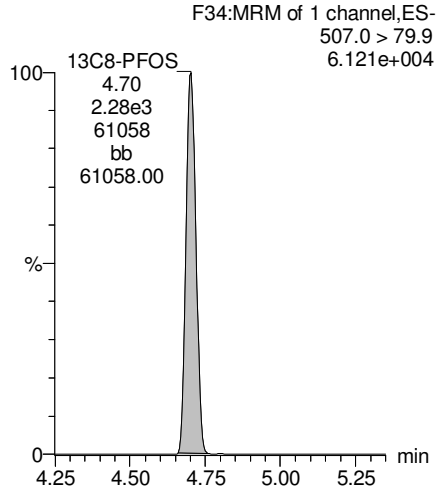


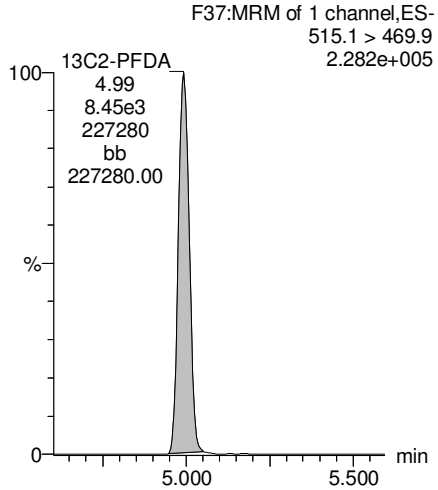
13C5-PFNA



13C8-PFOS



13C2-PFDA



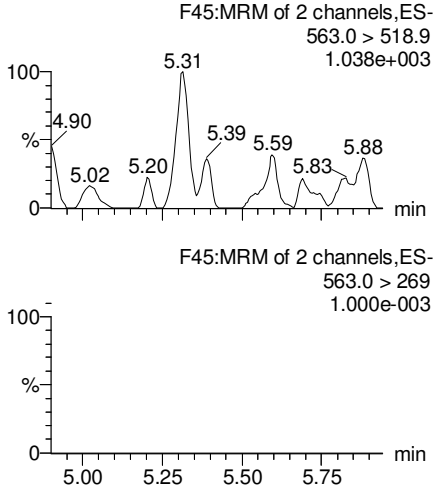
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-53.qld

Last Altered: Sunday, February 04, 2018 11:34:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:35:14 Pacific Standard Time

Name: 180130M2_53, Date: 30-Jan-2018, Time: 21:29:51, ID: 1800127-04 IRSite1-GW-01W28B-20180116 0.27609, Description: IRSite1-GW-01W28B-20180116

PFUdA



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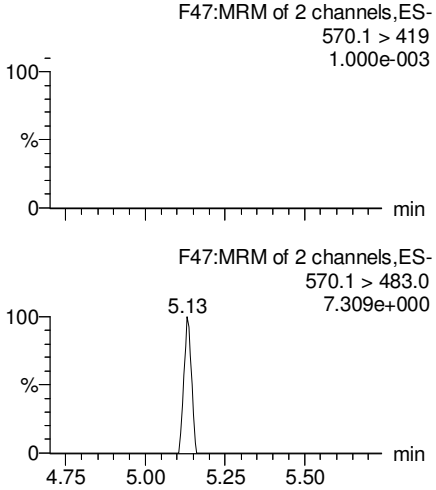

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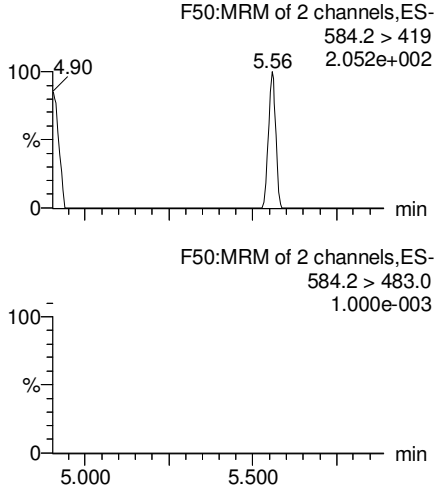
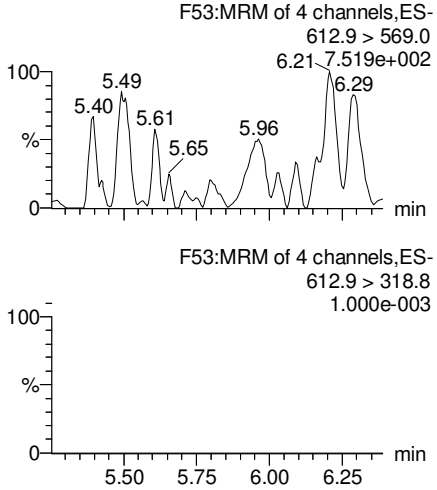


PFDoA



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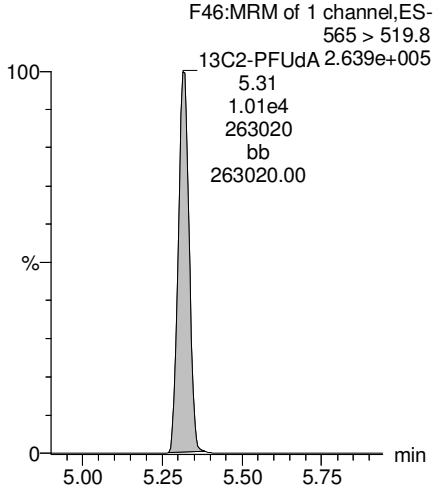

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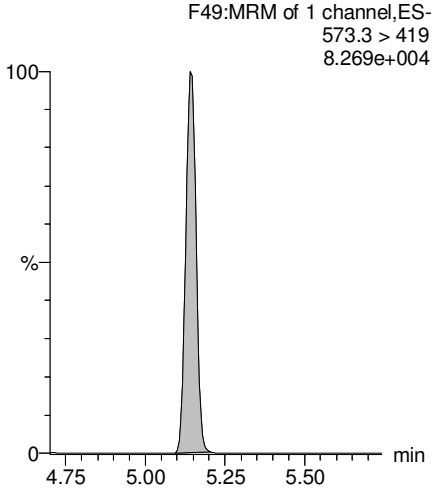

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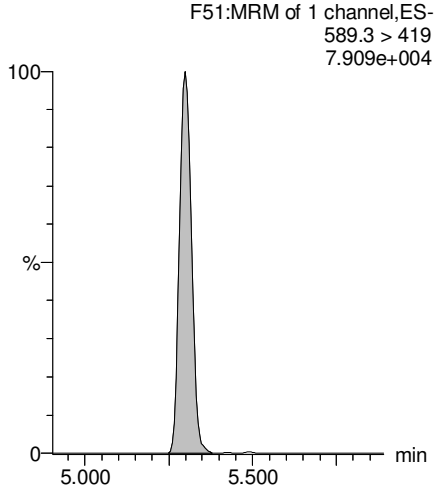

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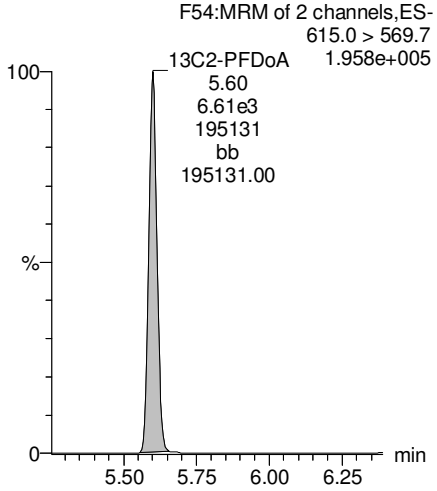


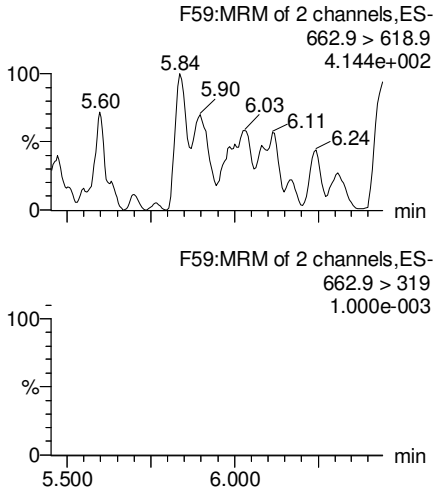
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-53.qld

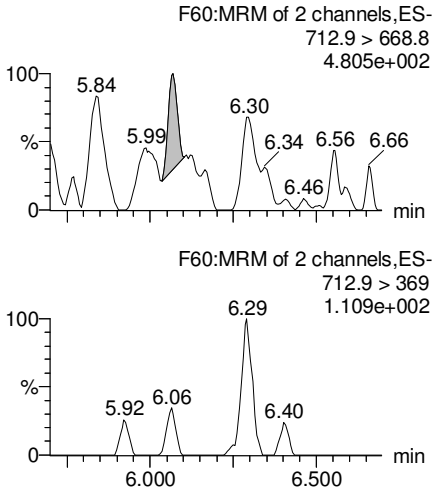
Last Altered: Sunday, February 04, 2018 11:34:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:35:14 Pacific Standard Time

Name: 180130M2_53, Date: 30-Jan-2018, Time: 21:29:51, ID: 1800127-04 IRSite1-GW-01W28B-20180116 0.27609, Description: IRSite1-GW-01W28B-20180116

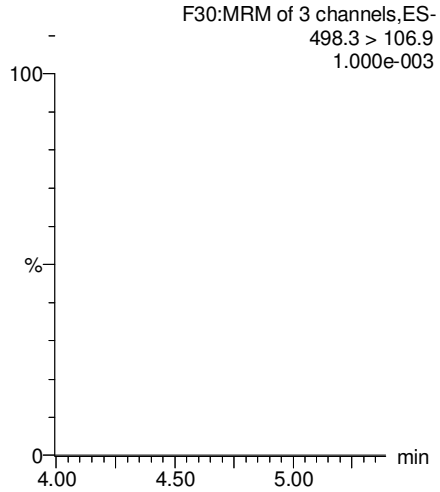
PFTrDA



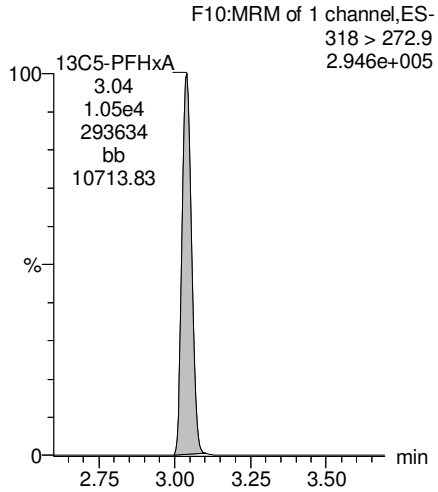
PFTeDA



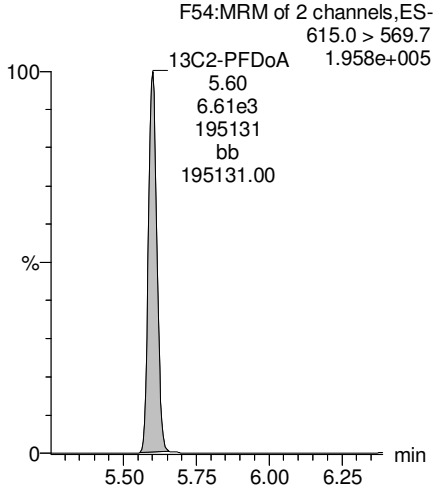
TCDA



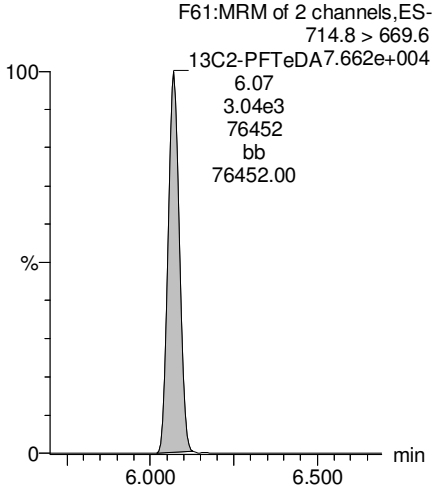
13C5-PFHxA



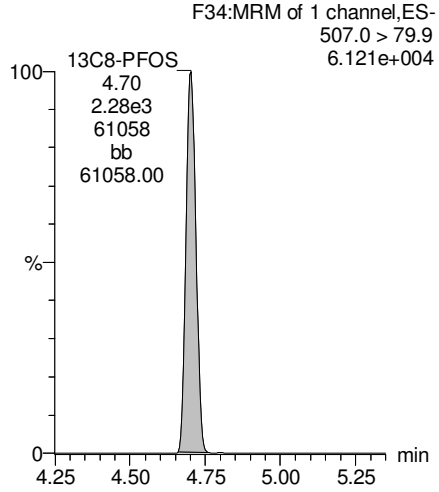
13C2-PFDoA



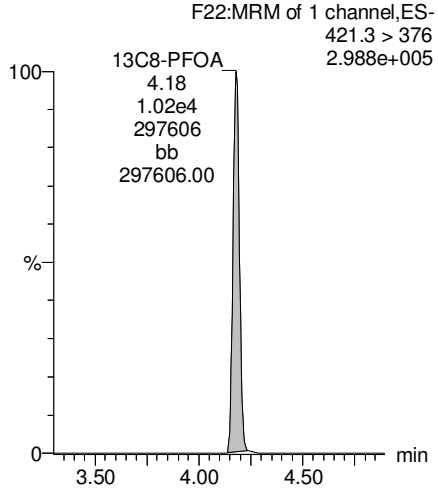
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



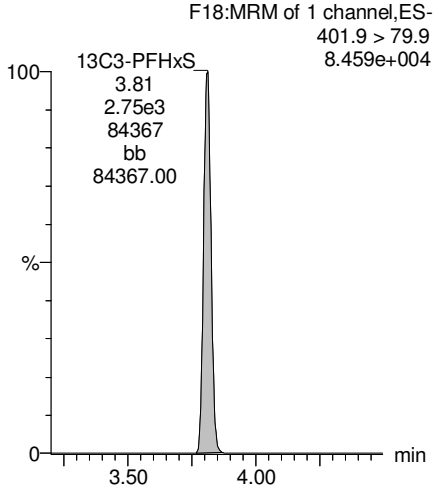
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-53.qld

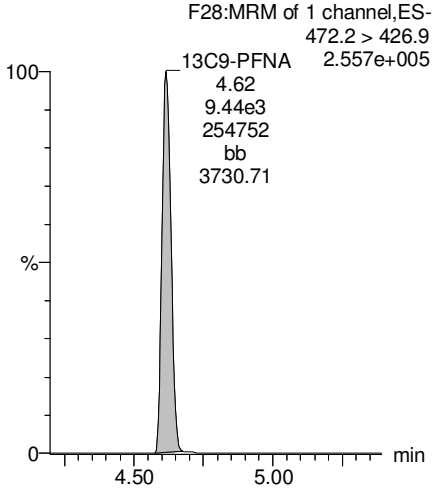
Last Altered: Sunday, February 04, 2018 11:34:08 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:35:14 Pacific Standard Time

Name: 180130M2_53, Date: 30-Jan-2018, Time: 21:29:51, ID: 1800127-04 IRSite1-GW-01W28B-20180116 0.27609, Description: IRSite1-GW-01W28B-20180116

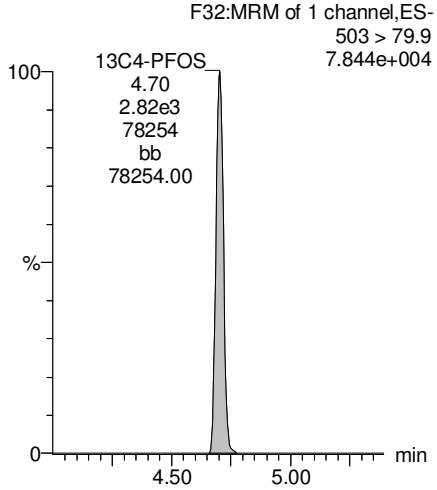
13C3-PFHxS



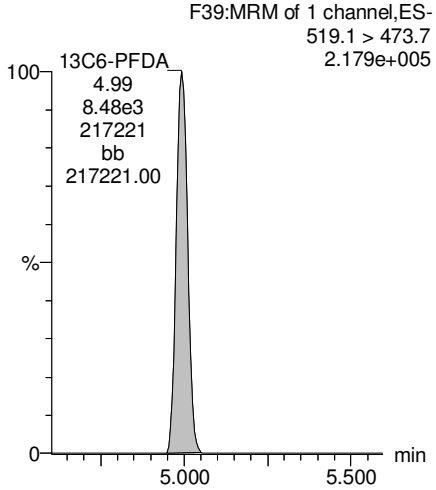
13C9-PFNA



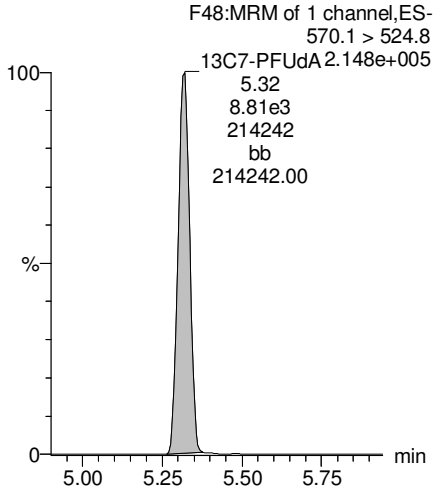
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-54.qld

Last Altered: Sunday, February 04, 2018 11:45:33 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:53:04 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_54, Date: 30-Jan-2018, Time: 21:41:18, ID: 1800127-05 IRSite1-GW-01W38AR-20180116 0.26613, Description: IRSite1-GW-01W38AR-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	5.29e2	1.09e3	0.266		2.56	2.50	6.08	12.5422	
2	5	PFHxA	313.2 > 268.9	1.37e4	2.57e3	0.266		3.05	3.01	26.7	62.7102	
3	7	PFHpA	363.0 > 318.9	6.22e3	7.42e3	0.266		3.68	3.64	10.5	33.0113	
4	8	L-PFHxS	398.9 > 79.6	1.39e3	9.83e2	0.266		3.80	3.79	17.7	35.8343	
5	11	L-PFOA	413 > 368.7	2.56e4	1.10e4	0.266		4.20	4.17	29.0	105.3358	
6	14	PFNA	463.0 > 418.8	1.51e2	9.91e3	0.266		4.65	4.61	0.190	0.0773	
7	16	L-PFOS	499 > 79.9	4.55e3	2.54e3	0.266		4.75	4.70	22.4	78.3046	
8	18	PFDA	513 > 468.8		8.74e3	0.266		5.03				
9	21	N-MeFOSAA	570.1 > 419		3.48e3	0.266		5.20				
10	22	N-EtFOSAA	584.2 > 419	4.75e2	3.38e3	0.266		5.30	5.30	1.76	5.9629	
11	23	PFUdA	563.0 > 518.9	1.16e1	9.76e3	0.266		5.36	5.30	0.0149		

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-54.qld

Last Altered: Sunday, February 04, 2018 11:45:33 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:53:28 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_54, Date: 30-Jan-2018, Time: 21:41:18, ID: 1800127-05 IRSite1-GW-01W38AR-20180116 0.26613, Description: IRSite1-GW-01W38AR-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		6.33e3	0.266		5.65				
2	27	PFTrDA	662.9 > 618.9		3.59e3	0.266		5.90				
3	28	PFTeDA	712.9 > 668.8		3.59e3	0.266		6.12				
4	36	13C3-PFBS	302. > 98.8	1.09e3	9.09e3	0.266	0.109	2.56	2.50	1.49	51.4129	109.5
5	37	13C2-PFHxA	315 > 269.8	2.57e3	9.09e3	0.266	0.684	3.05	3.01	3.53	19.3771	103.1
6	38	13C4-PFHpA	367.2 > 321.8	7.42e3	9.09e3	0.266	0.732	3.68	3.64	10.2	52.3148	111.4
7	39	18O2-PFHxS	403.0 > 102.6	9.83e2	2.90e3	0.266	0.318	3.80	3.80	4.23	49.9001	106.2
8	40	13C2-6:2 FTS	429.1 > 408.9	2.20e3	1.06e4	0.266	0.263	4.15	4.11	2.59	37.0035	78.8
9	41	13C2-PFOA	414.9 > 369.7	1.10e4	1.06e4	0.266	1.120	4.20	4.17	13.0	43.6137	92.9
10	42	13C5-PFNA	468.2 > 422.9	9.91e3	1.32e4	0.266	0.921	4.65	4.61	9.40	38.3780	81.7
11	43	13C8-PFOSA	506.1 > 77.7	1.51e3	9.40e3	0.266	0.245	4.70	4.68	2.01	30.8409	65.7
12	44	13C8-PFOS	507.0 > 79.9	2.54e3	2.54e3	0.266	1.034	4.75	4.70	12.5	45.3650	96.6
13	45	13C2-PFDA	515.1 > 469.9	8.74e3	9.06e3	0.266	1.080	5.03	4.99	12.1	41.9601	89.3
14	46	13C2-8:2 FTS	529.1 > 508.7	1.04e3	9.09e3	0.266	0.165	5.00	4.96	1.42	32.4409	69.1
15	47	d3-N-MeFOSAA	573.3 > 419	3.48e3	9.40e3	0.266	0.398	5.20	5.14	4.63	43.7638	93.2
16	48	d5-N-EtFOSAA	589.3 > 419	3.38e3	9.40e3	0.266	0.425	5.30	5.30	4.50	39.7645	84.7
17	49	13C2-PFUdA	565 > 519.8	9.76e3	9.40e3	0.266	1.047	5.36	5.31	13.0	46.5894	99.2
18	50	13C2-PFDoA	615.0 > 569.7	6.33e3	9.40e3	0.266	0.805	5.65	5.60	8.42	39.3118	83.7
19	52	13C2-PFTeDA	714.8 > 669.6	3.59e3	9.40e3	0.266	0.367	6.12	6.07	4.77	48.8306	104.0
20	57	13C4-PFBA	217. > 171.8	7.68e3	7.68e3	0.266	1.000	1.30	1.29	12.5	46.9695	100.0
21	58	13C5-PFHxA	318 > 272.9	9.09e3	9.09e3	0.266	1.000	3.05	3.00	12.5	46.9695	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.90e3	2.90e3	0.266	1.000	3.80	3.80	12.5	46.9695	100.0
23	60	13C8-PFOA	421.3 > 376	1.06e4	1.06e4	0.266	1.000	4.20	4.17	12.5	46.9695	100.0
24	61	13C9-PFNA	472.2 > 426.9	1.32e4	1.32e4	0.266	1.000	4.65	4.61	12.5	46.9695	100.0
25	62	13C4-PFOS	503 > 79.9	2.54e3	2.54e3	0.266	1.000	4.60	4.70	12.5	46.9695	100.0
26	63	13C6-PFDA	519.1 > 473.7	9.06e3	9.06e3	0.266	1.000	5.03	4.99	12.5	46.9695	100.0
27	64	13C7-PFUdA	570.1 > 524.8	9.40e3	9.40e3	0.266	1.000	5.36	5.32	12.5	46.9695	100.0
28	65	Total PFHxS	398.9 > 79.6	1.39e3	9.83e2	0.266		3.70		17.7	35.8343	
29	66	Total PFOA	413 > 368.7	3.03e4	1.10e4	0.266		4.20		34.3	124.0956	
30	67	Total PFOS	499 > 79.9	4.55e3	2.54e3	0.266		4.70		22.4	78.3046	
31	68	Total N-MeFOSAA	570.1 > 419	0.00e0	3.48e3	0.266		5.20		0.000		
32	69	Total N-EtFOSAA	584.2 > 419	4.75e2	3.38e3	0.266		5.30		1.76	5.9629	

MSF 2/3/18

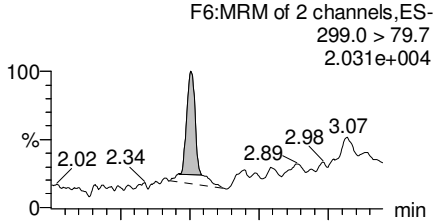
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-54.qld

Last Altered: Sunday, February 04, 2018 11:45:33 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:53:28 Pacific Standard Time

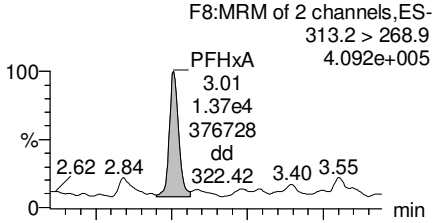
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_54, Date: 30-Jan-2018, Time: 21:41:18, ID: 1800127-05 IRSite1-GW-01W38AR-20180116 0.26613, Description: IRSite1-GW-01W38AR-20180116

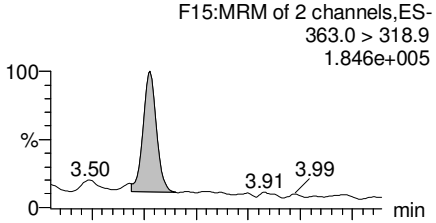
PFBS



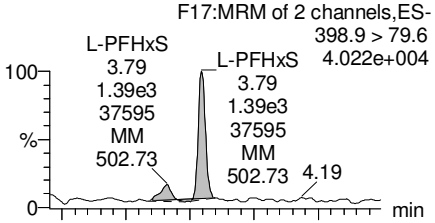
PFHxA



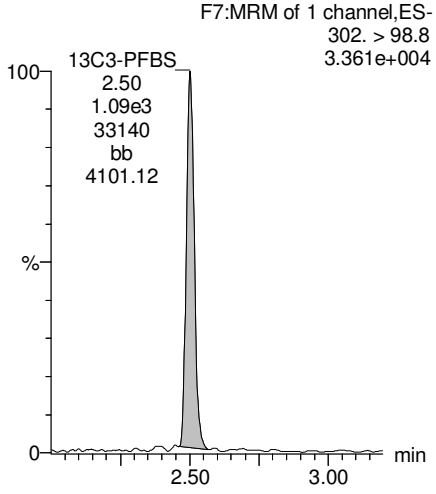
PFHpA



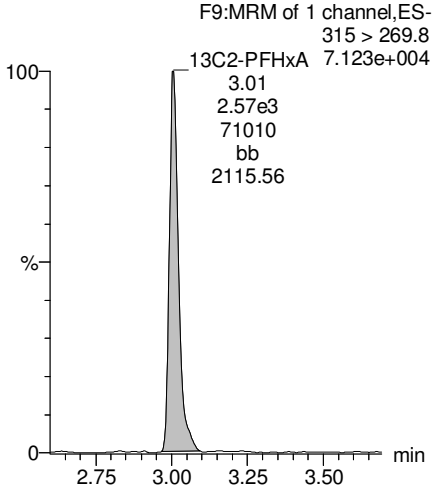
Total PFHxS



13C3-PFBS



13C2-PFHxA



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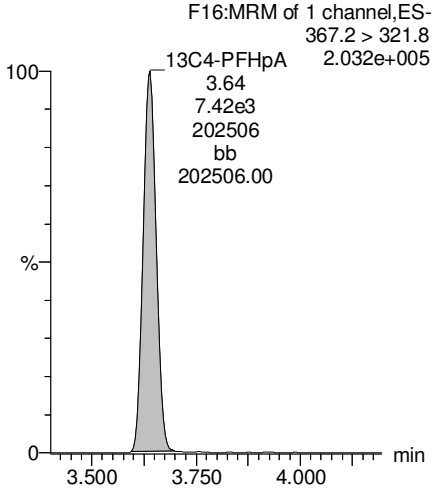
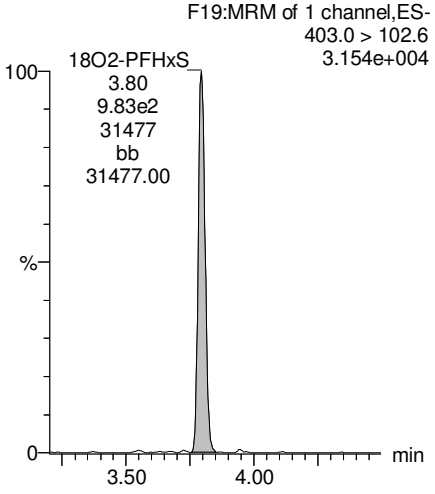


18O2-PFHxS



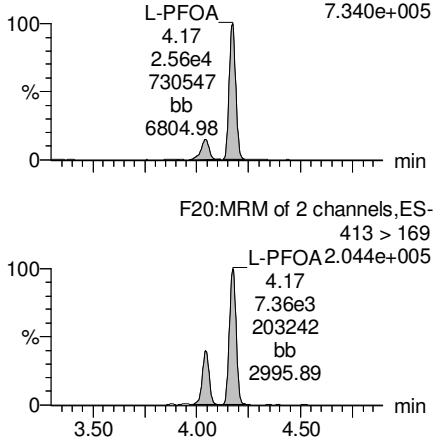
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-54.qld

Last Altered: Sunday, February 04, 2018 11:45:33 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:53:28 Pacific Standard Time

Name: 180130M2_54, Date: 30-Jan-2018, Time: 21:41:18, ID: 1800127-05 IRSite1-GW-01W38AR-20180116 0.26613, Description: IRSite1-GW-01W38AR-20180116

Total PFOA



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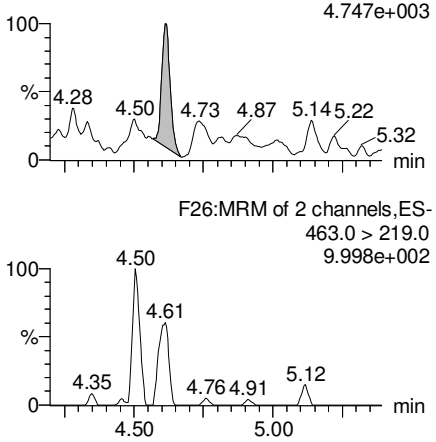
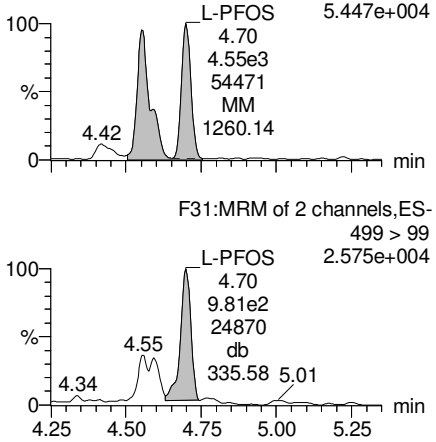
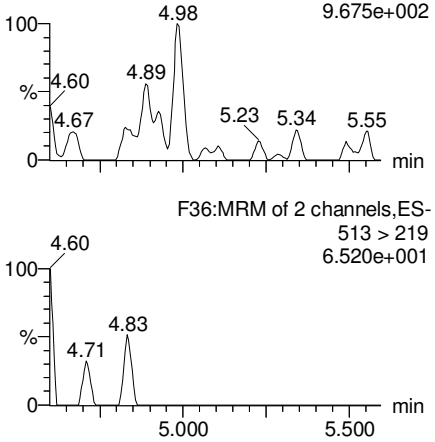


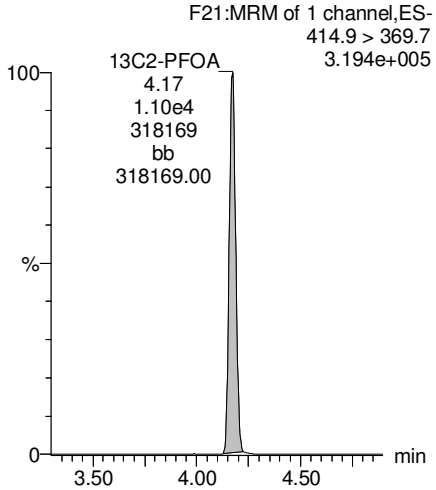
Total PFOS



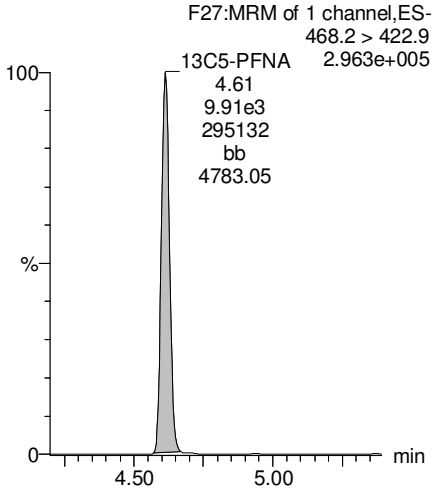
PFDA



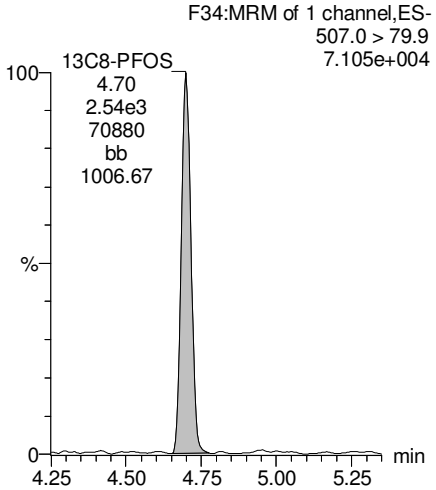
13C2-PFOA



13C5-PFNA



13C8-PFOS



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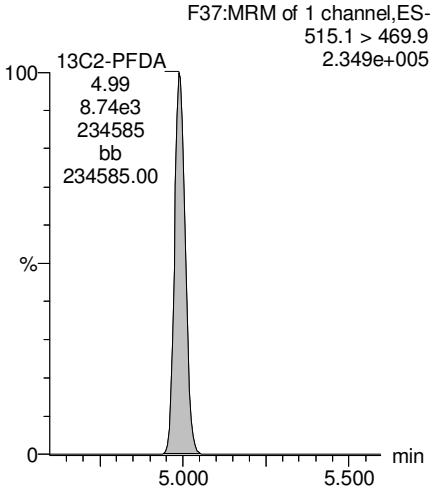


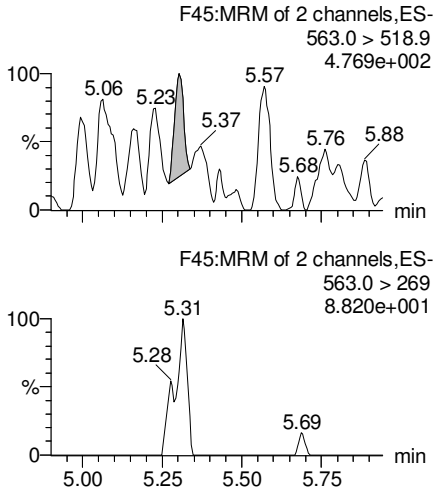
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-54.qld

Last Altered: Sunday, February 04, 2018 11:45:33 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:53:28 Pacific Standard Time

Name: 180130M2_54, Date: 30-Jan-2018, Time: 21:41:18, ID: 1800127-05 IRSite1-GW-01W38AR-20180116 0.26613, Description: IRSite1-GW-01W38AR-20180116

PFUdA



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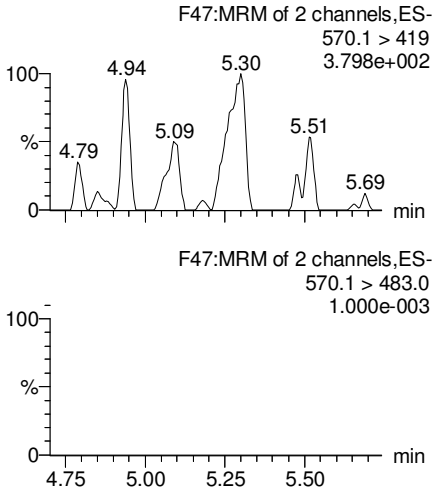

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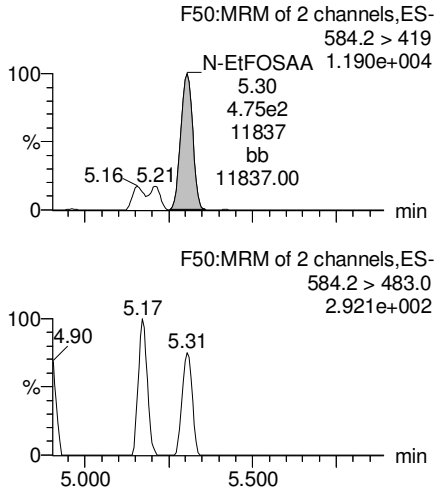
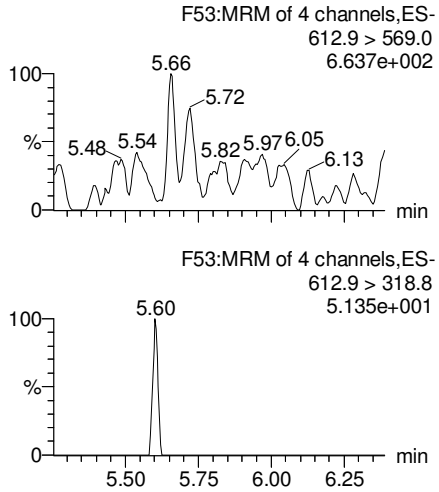
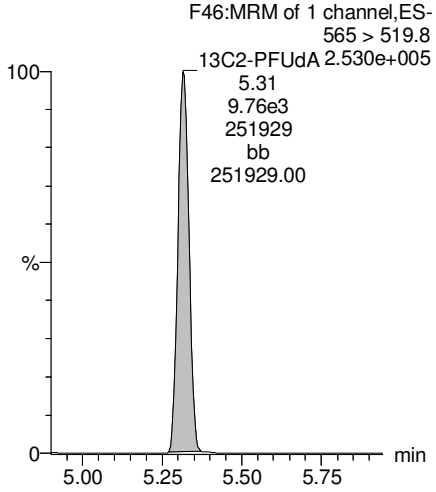


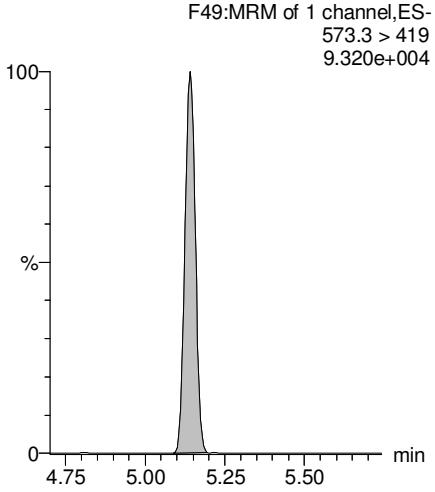
PFDoA



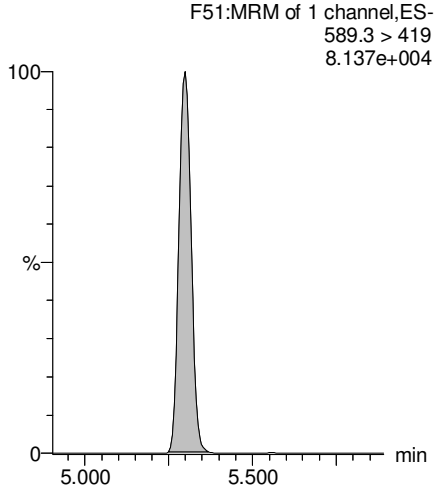
13C2-PFUdA



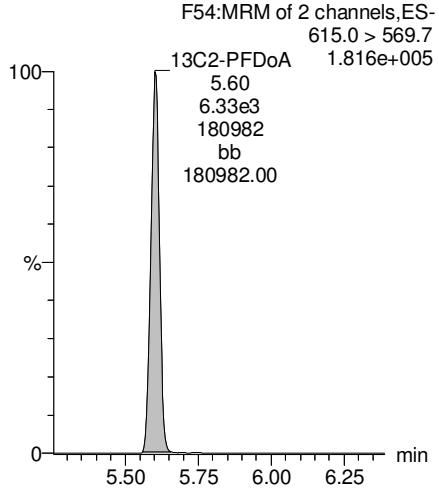
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-54.qld

Last Altered: Sunday, February 04, 2018 11:45:33 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:53:28 Pacific Standard Time

Name: 180130M2_54, Date: 30-Jan-2018, Time: 21:41:18, ID: 1800127-05 IRSite1-GW-01W38AR-20180116 0.26613, Description: IRSite1-GW-01W38AR-20180116

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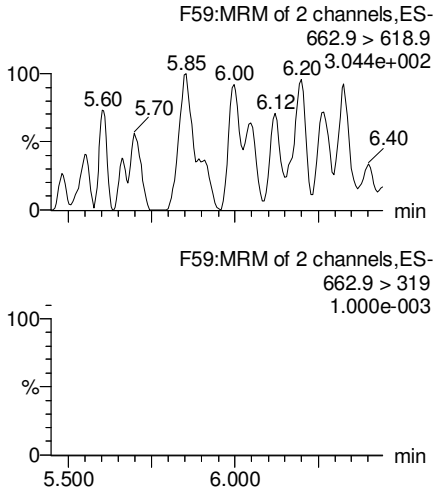
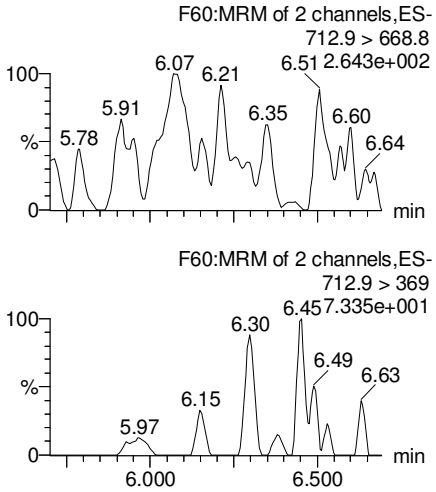
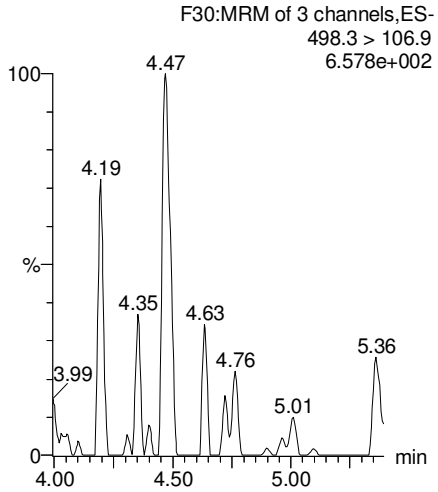


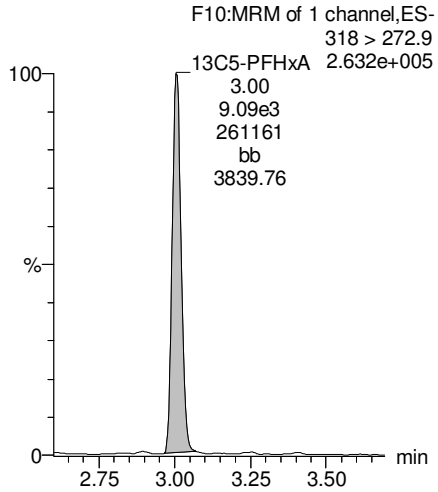
PFTeDA



TCDA



13C5-PFHxA



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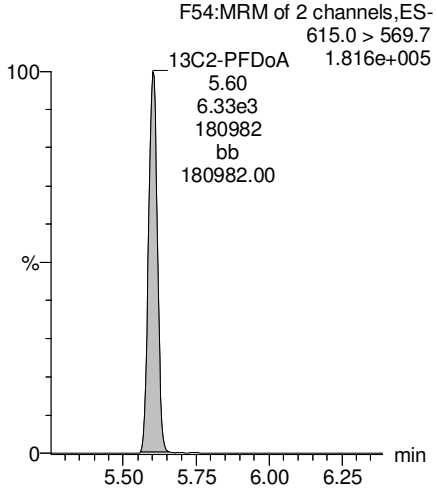

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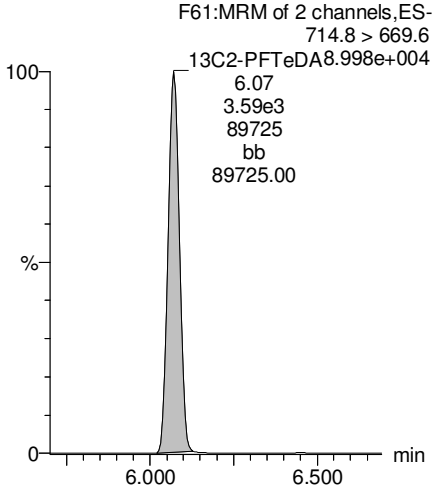
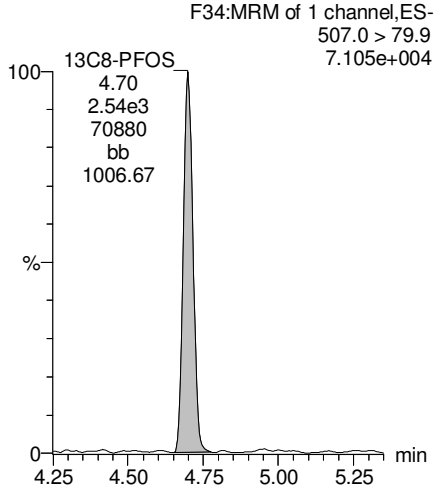


13C8-PFOS



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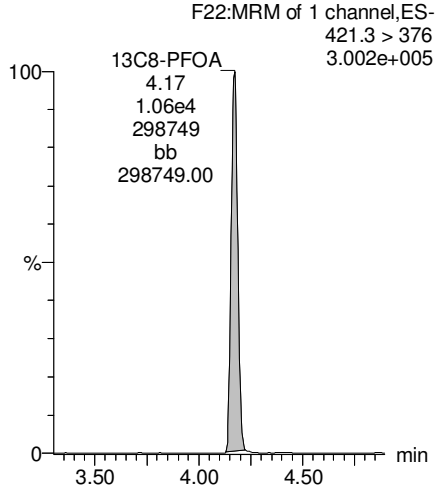


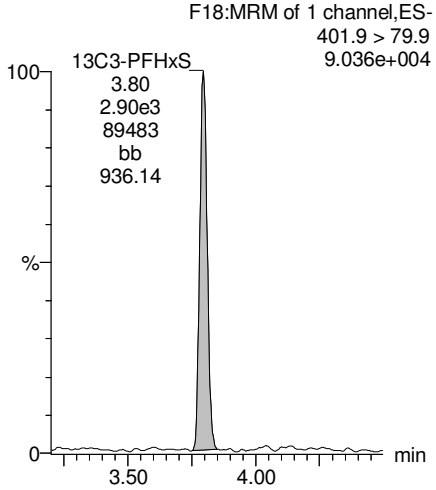
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-54.qld

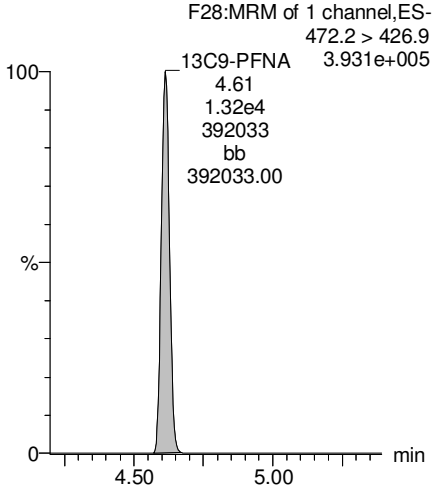
Last Altered: Sunday, February 04, 2018 11:45:33 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:53:28 Pacific Standard Time

Name: 180130M2_54, Date: 30-Jan-2018, Time: 21:41:18, ID: 1800127-05 IRSite1-GW-01W38AR-20180116 0.26613, Description: IRSite1-GW-01W38AR-20180116

13C3-PFHxS



13C9-PFNA



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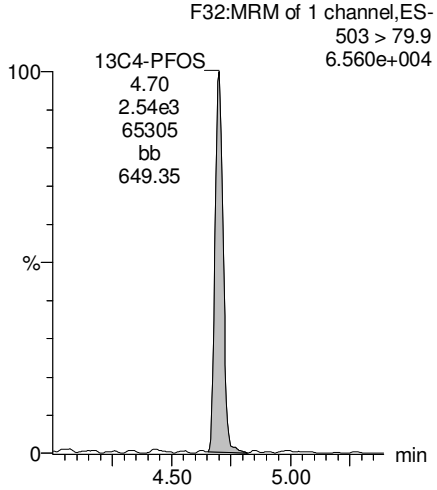

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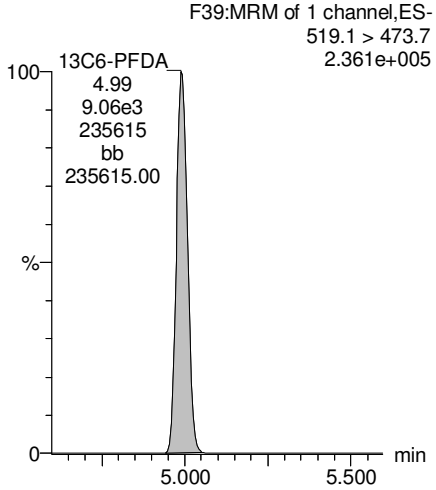
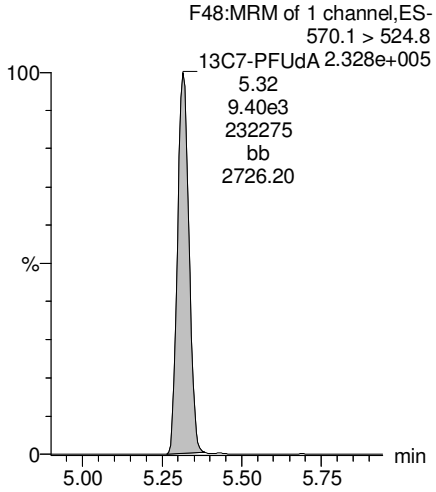


13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-55.qld

Last Altered: Sunday, February 04, 2018 11:57:00 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:58:16 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_55, Date: 30-Jan-2018, Time: 21:52:45, ID: 1800127-06 IRSite1-GW-MW86A-20180116 0.26659, Description: IRSite1-GW-MW86A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.06e3	0.267		2.56				
2	5	PFHxA	313.2 > 268.9	4.50e3	2.38e3	0.267		3.05	3.04	9.45	21.8926	
3	7	PFHpA	363.0 > 318.9	1.02e3	7.02e3	0.267		3.68	3.66	1.81	5.3488	
4	8	L-PFHxS	398.9 > 79.6		8.60e2	0.267		3.80				
5	11	L-PFOA	413 > 368.7	5.44e3	1.05e4	0.267		4.20	4.18	6.46	22.8044	
6	14	PFNA	463.0 > 418.8	9.26e1	7.21e3	0.267		4.65	4.62	0.161		
7	16	L-PFOS	499 > 79.9	1.65e1	2.20e3	0.267		4.75	4.72	0.0935	0.9376	
8	18	PFDA	513 > 468.8	3.56e1	6.15e3	0.267		5.03	5.00	0.0724		
9	21	N-MeFOSAA	570.1 > 419		2.79e3	0.267		5.20				
10	22	N-EtFOSAA	584.2 > 419		2.99e3	0.267		5.30				
11	23	PFUdA	563.0 > 518.9		8.67e3	0.267		5.36				

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-55.qld

Last Altered: Sunday, February 04, 2018 11:57:00 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:58:31 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_55, Date: 30-Jan-2018, Time: 21:52:45, ID: 1800127-06 IRSite1-GW-MW86A-20180116 0.26659, Description: IRSite1-GW-MW86A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		5.97e3	0.267		5.65				
2	27	PFTrDA	662.9 > 618.9		1.94e3	0.267		5.90				
3	28	PFTeDA	712.9 > 668.8		1.94e3	0.267		6.12				
4	36	13C3-PFBS	302. > 98.8	1.06e3	1.04e4	0.267	0.109	2.56	2.54	1.27	43.5999	93.0
5	37	13C2-PFHxA	315 > 269.8	2.38e3	1.04e4	0.267	0.684	3.05	3.04	2.85	15.6449	83.4
6	38	13C4-PFHpA	367.2 > 321.8	7.02e3	1.04e4	0.267	0.732	3.68	3.65	8.42	43.1113	91.9
7	39	18O2-PFHxS	403.0 > 102.6	8.60e2	2.54e3	0.267	0.318	3.80	3.81	4.23	49.7717	106.1
8	40	13C2-6:2 FTS	429.1 > 408.9	1.87e3	1.08e4	0.267	0.263	4.15	4.13	2.17	30.9914	66.1
9	41	13C2-PFOA	414.9 > 369.7	1.05e4	1.08e4	0.267	1.120	4.20	4.18	12.2	40.9844	87.4
10	42	13C5-PFNA	468.2 > 422.9	7.21e3	9.52e3	0.267	0.921	4.65	4.62	9.46	38.5621	82.2
11	43	13C8-PFOSA	506.1 > 77.7	1.42e3	1.05e4	0.267	0.245	4.70	4.69	1.69	25.8600	55.2
12	44	13C8-PFOS	507.0 > 79.9	2.20e3	2.40e3	0.267	1.034	4.75	4.70	11.5	41.7036	88.9
13	45	13C2-PFDA	515.1 > 469.9	6.15e3	8.45e3	0.267	1.080	5.03	4.99	9.10	31.6155	67.4
14	46	13C2-8:2 FTS	529.1 > 508.7	1.18e3	1.04e4	0.267	0.165	5.00	4.96	1.41	32.0637	68.4
15	47	d3-N-MeFOSAA	573.3 > 419	2.79e3	1.05e4	0.267	0.398	5.20	5.14	3.32	31.3542	66.9
16	48	d5-N-EtFOSAA	589.3 > 419	2.99e3	1.05e4	0.267	0.425	5.30	5.30	3.57	31.5056	67.2
17	49	13C2-PFUdA	565 > 519.8	8.67e3	1.05e4	0.267	1.047	5.36	5.32	10.3	36.9940	78.9
18	50	13C2-PFDoA	615.0 > 569.7	5.97e3	1.05e4	0.267	0.805	5.65	5.60	7.12	33.1535	70.7
19	52	13C2-PFTeDA	714.8 > 669.6	1.94e3	1.05e4	0.267	0.367	6.12	6.07	2.31	23.6223	50.4
20	57	13C4-PFBA	217. > 171.8	7.60e3	7.60e3	0.267	1.000	1.30	1.31	12.5	46.8885	100.0
21	58	13C5-PFHxA	318 > 272.9	1.04e4	1.04e4	0.267	1.000	3.05	3.04	12.5	46.8885	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.54e3	2.54e3	0.267	1.000	3.80	3.81	12.5	46.8885	100.0
23	60	13C8-PFOA	421.3 > 376	1.08e4	1.08e4	0.267	1.000	4.20	4.18	12.5	46.8885	100.0
24	61	13C9-PFNA	472.2 > 426.9	9.52e3	9.52e3	0.267	1.000	4.65	4.62	12.5	46.8885	100.0
25	62	13C4-PFOS	503 > 79.9	2.40e3	2.40e3	0.267	1.000	4.60	4.70	12.5	46.8885	100.0
26	63	13C6-PFDA	519.1 > 473.7	8.45e3	8.45e3	0.267	1.000	5.03	4.99	12.5	46.8885	100.0
27	64	13C7-PFUdA	570.1 > 524.8	1.05e4	1.05e4	0.267	1.000	5.36	5.32	12.5	46.8885	100.0
28	65	Total PFHxS	398.9 > 79.6	0.00e0	8.60e2	0.267		3.70		0.000		
29	66	Total PFOA	413 > 368.7	6.30e3	1.05e4	0.267		4.20		7.48	26.1702	
30	67	Total PFOS	499 > 79.9	1.65e1	2.20e3	0.267		4.70		0.0935	0.9376	
31	68	Total N-MeFOSAA	570.1 > 419	0.00e0	2.79e3	0.267		5.20		0.000		
32	69	Total N-EtFOSAA	584.2 > 419	0.00e0	2.99e3	0.267		5.30		0.000		

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

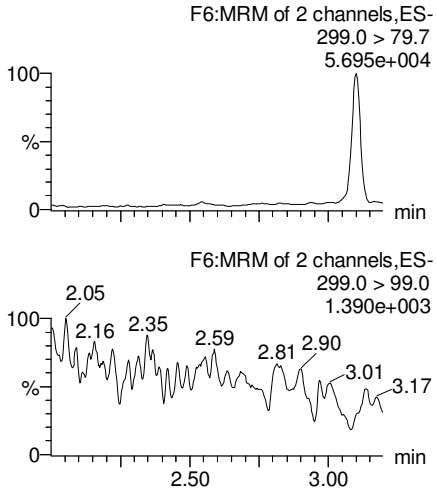
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-55.qld

Last Altered: Sunday, February 04, 2018 11:57:00 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:58:31 Pacific Standard Time

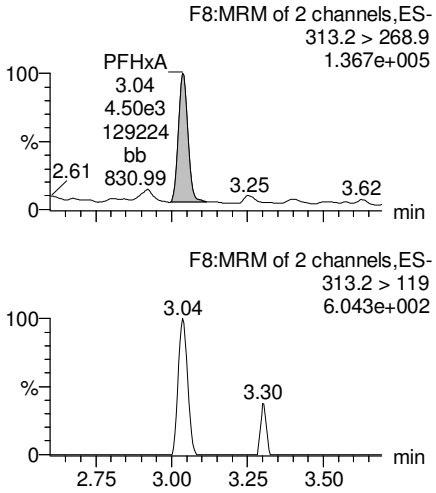
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_55, Date: 30-Jan-2018, Time: 21:52:45, ID: 1800127-06 IRSite1-GW-MW86A-20180116 0.26659, Description: IRSite1-GW-MW86A-20180116

PFBS



PFHxA



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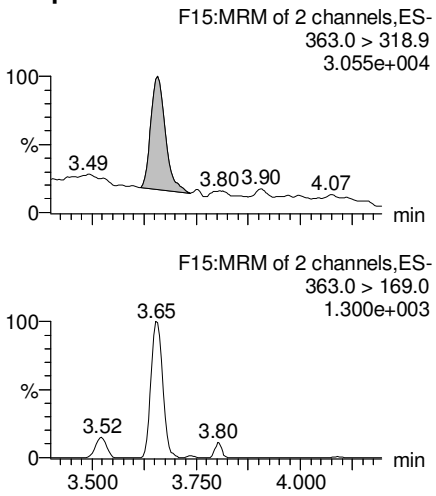

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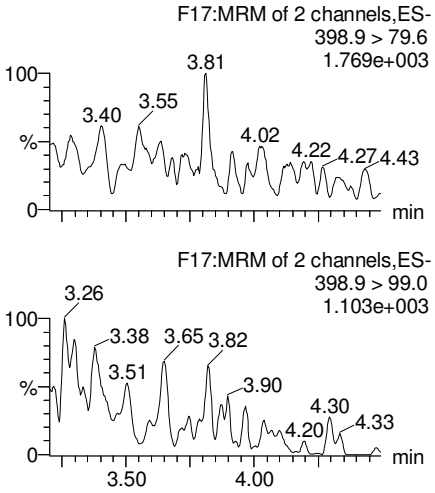

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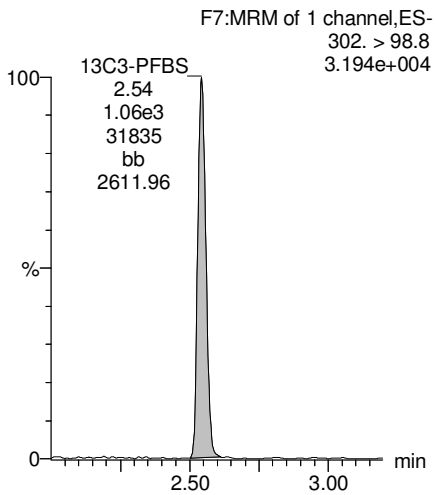
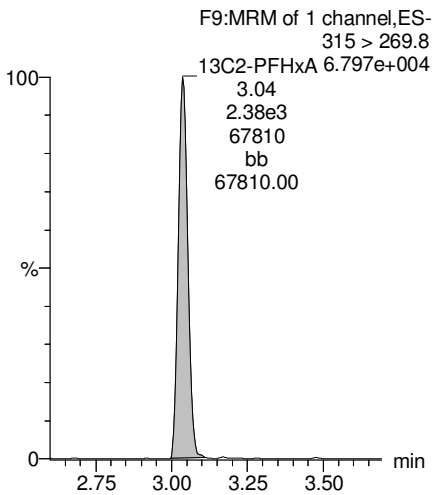
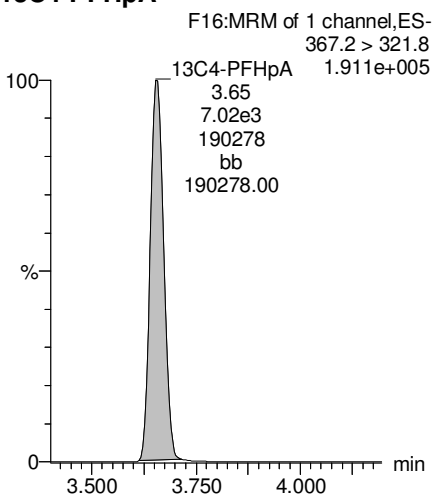


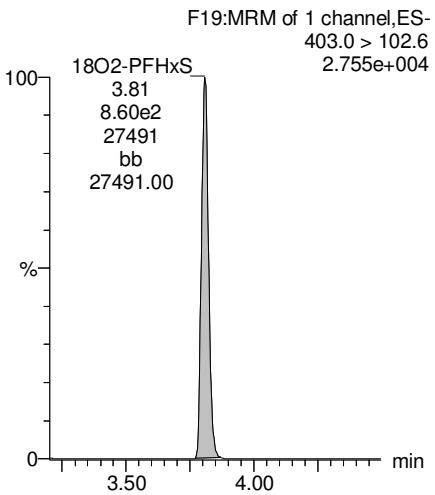
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



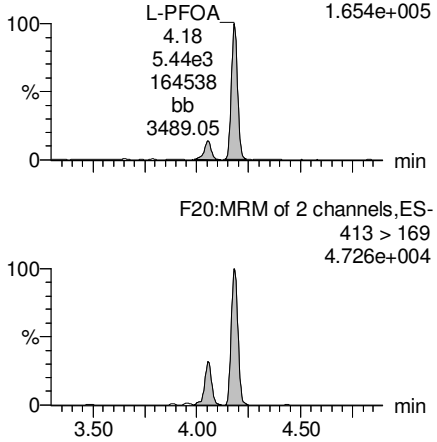
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-55.qld

Last Altered: Sunday, February 04, 2018 11:57:00 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:58:31 Pacific Standard Time

Name: 180130M2_55, Date: 30-Jan-2018, Time: 21:52:45, ID: 1800127-06 IRSite1-GW-MW86A-20180116 0.26659, Description: IRSite1-GW-MW86A-20180116

Total PFOA



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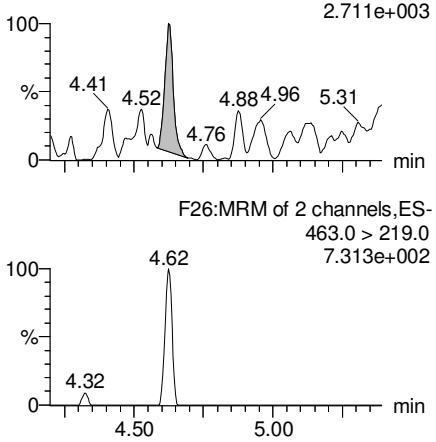
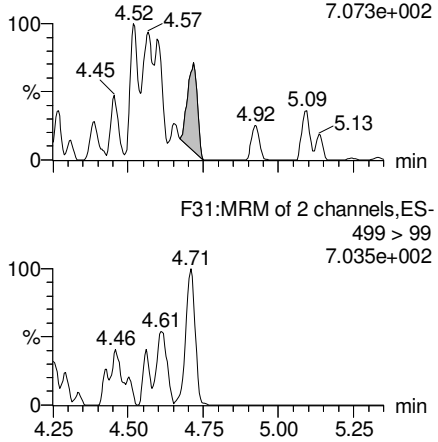


Total PFOS



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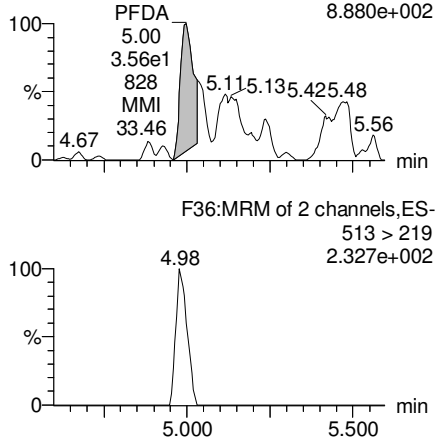

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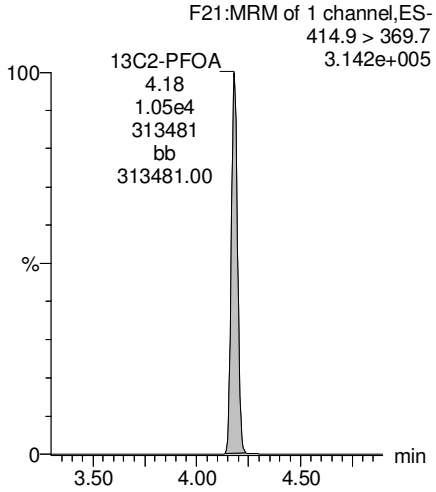

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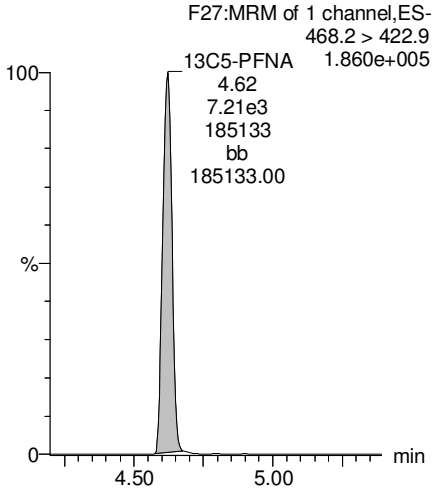
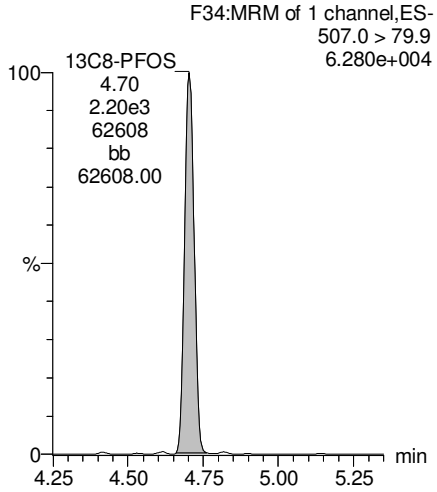
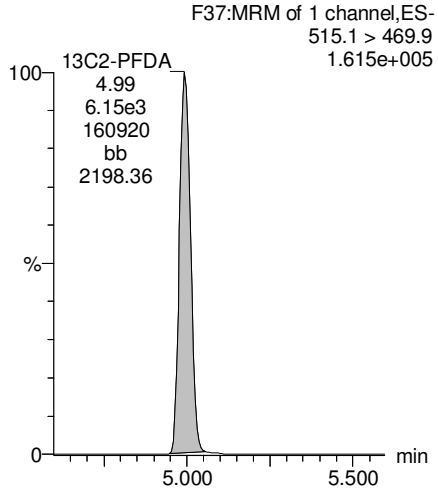


13C8-PFOS



13C2-PFDA



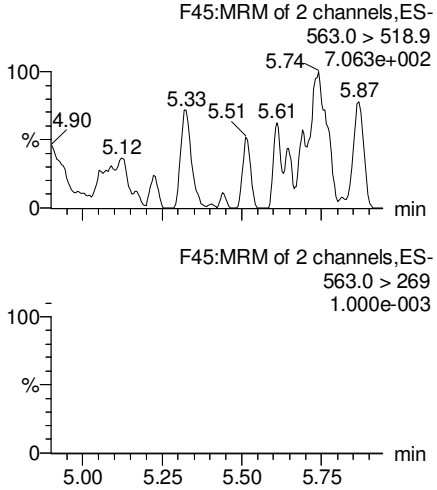
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-55.qld

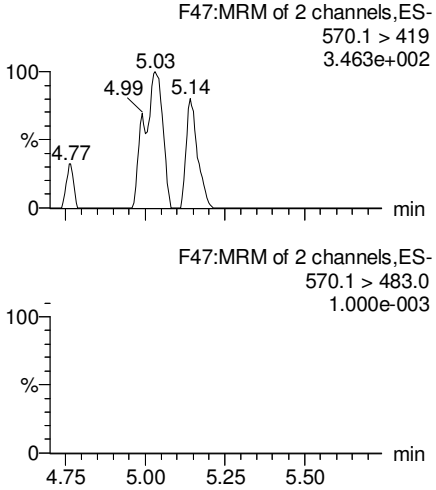
Last Altered: Sunday, February 04, 2018 11:57:00 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:58:31 Pacific Standard Time

Name: 180130M2_55, Date: 30-Jan-2018, Time: 21:52:45, ID: 1800127-06 IRSite1-GW-MW86A-20180116 0.26659, Description: IRSite1-GW-MW86A-20180116

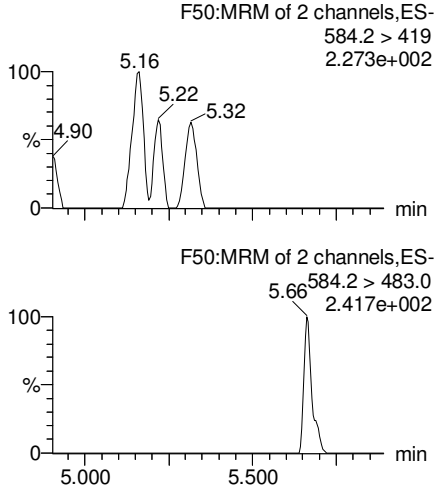
PFUdA



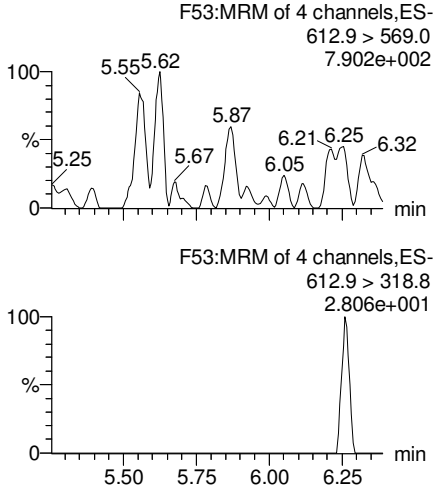
N-MeFOSAA



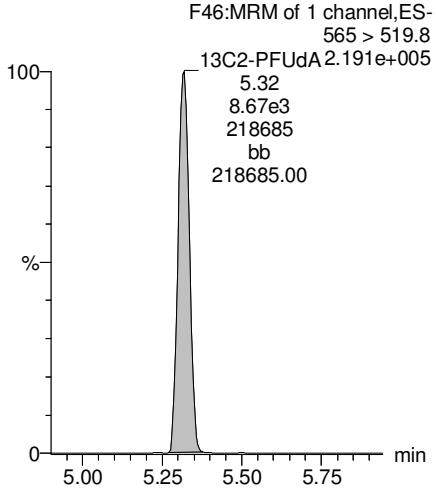
N-EtFOSAA



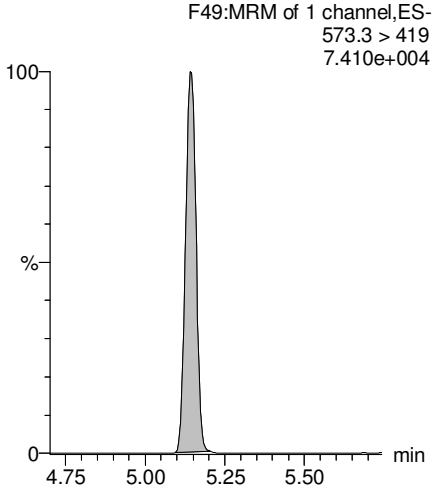
PFDoA



13C2-PFUdA



d3-N-MeFOSAA



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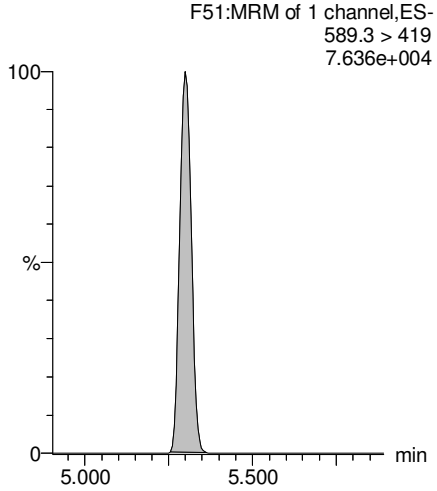
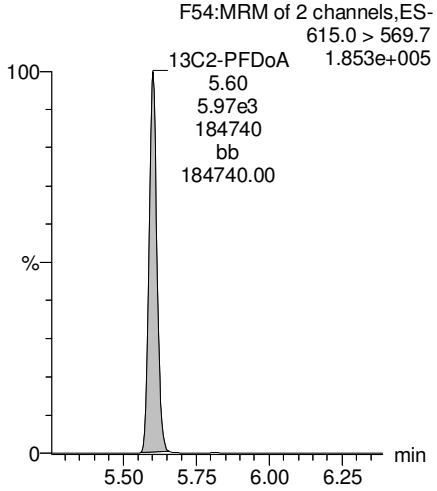


13C2-PFDoA



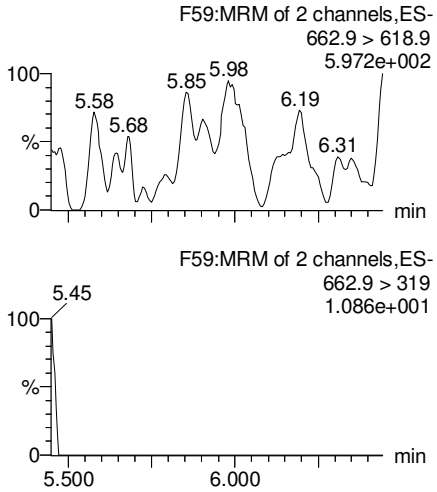
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-55.qld

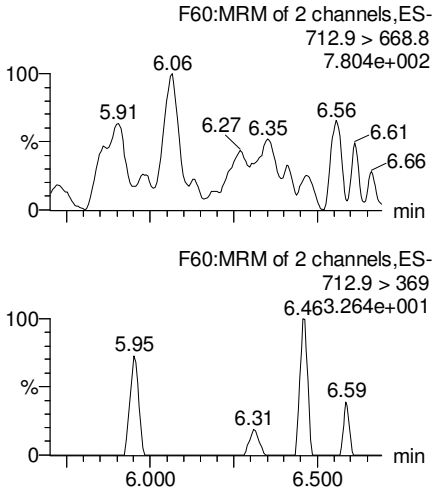
Last Altered: Sunday, February 04, 2018 11:57:00 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:58:31 Pacific Standard Time

Name: 180130M2_55, Date: 30-Jan-2018, Time: 21:52:45, ID: 1800127-06 IRSite1-GW-MW86A-20180116 0.26659, Description: IRSite1-GW-MW86A-20180116

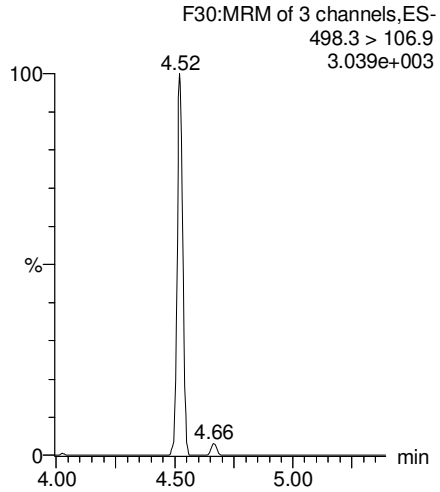
PFTrDA



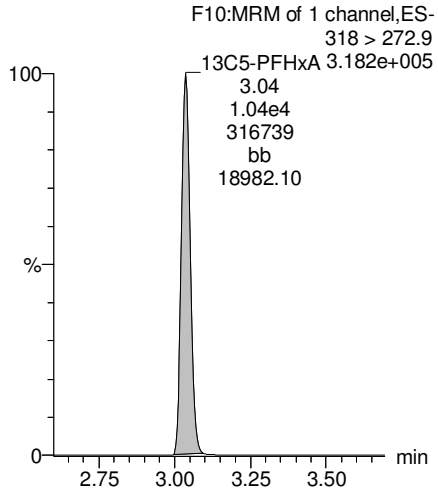
PFTeDA



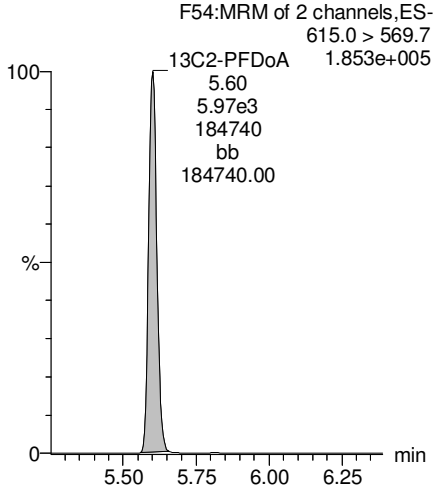
TCDA



13C5-PFHxA



13C2-PFDoA



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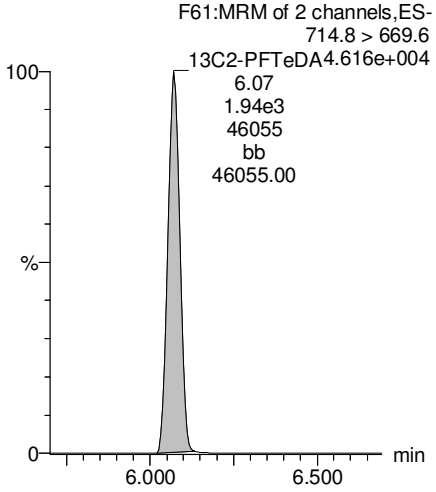
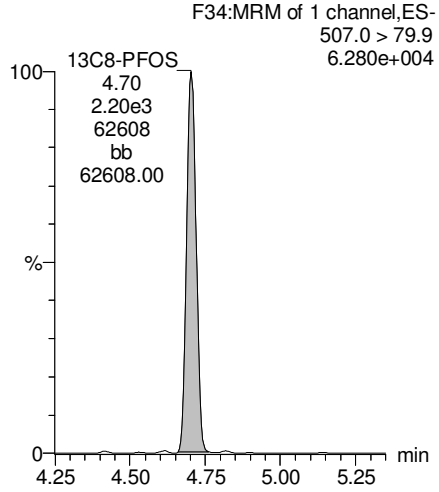
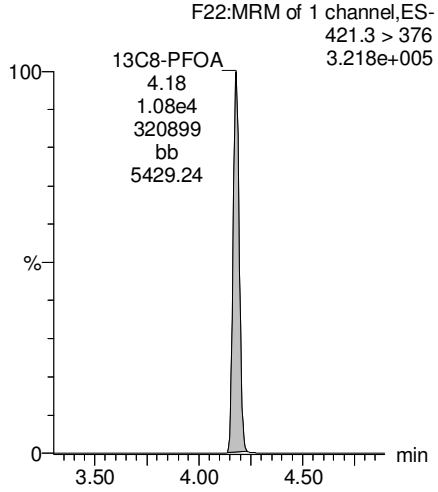


13C8-PFOS



13C8-PFOA



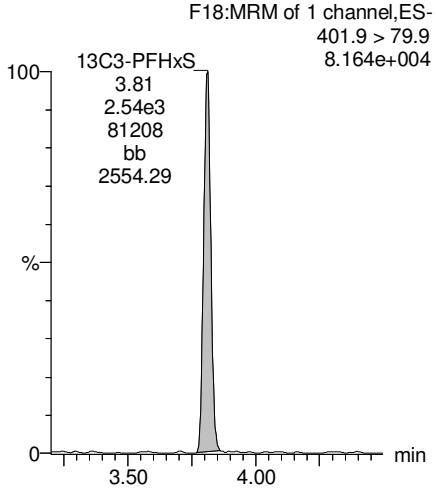
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-55.qld

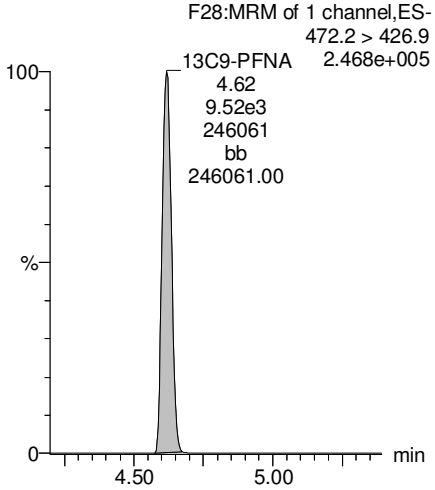
Last Altered: Sunday, February 04, 2018 11:57:00 Pacific Standard Time
Printed: Sunday, February 04, 2018 11:58:31 Pacific Standard Time

Name: 180130M2_55, Date: 30-Jan-2018, Time: 21:52:45, ID: 1800127-06 IRSite1-GW-MW86A-20180116 0.26659, Description: IRSite1-GW-MW86A-20180116

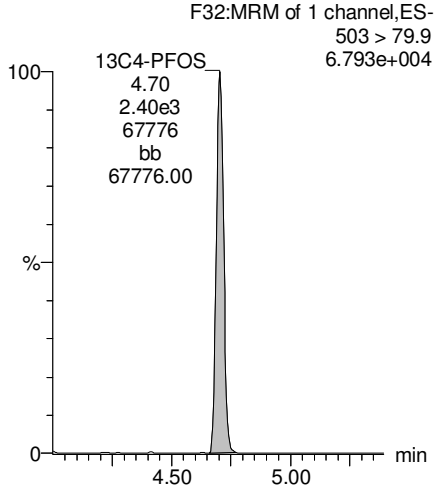
13C3-PFHxS



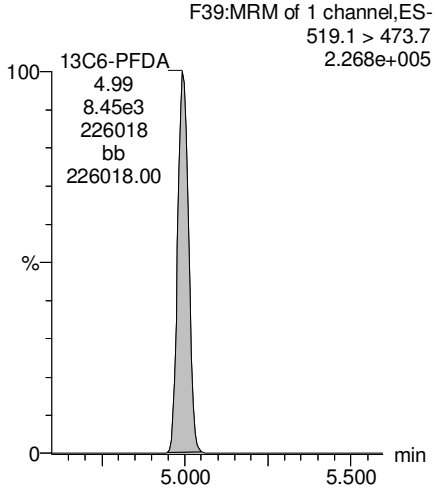
13C9-PFNA



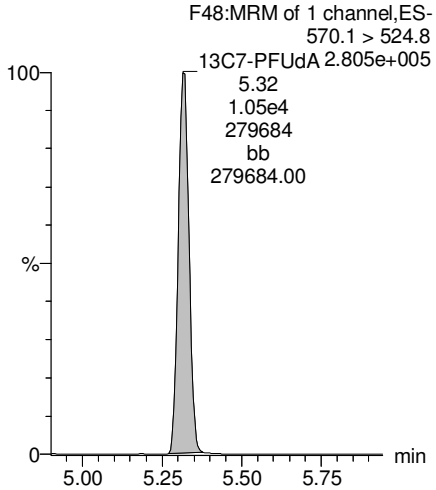
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-56.qld

Last Altered: Sunday, February 04, 2018 12:00:28 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:01:36 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_56, Date: 30-Jan-2018, Time: 22:04:12, ID: 1800127-07 IRSite1-GW-MW85A-20180116 0.23848, Description: IRSite1-GW-MW85A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.07e3	0.238		2.56				
2	5	PFHxA	313.2 > 268.9	4.23e3	2.42e3	0.238		3.05	3.04	8.74	22.5878	
3	7	PFHpA	363.0 > 318.9	1.16e3	6.59e3	0.238		3.68	3.66	2.20	7.3749	
4	8	L-PFHxS	398.9 > 79.6		7.86e2	0.238		3.80				
5	11	L-PFOA	413 > 368.7	1.90e3	1.05e4	0.238		4.20	4.18	2.25	8.6808	
6	14	PFNA	463.0 > 418.8		9.40e3	0.238		4.65				
7	16	L-PFOS	499 > 79.9		2.27e3	0.238		4.75				
8	18	PFDA	513 > 468.8		7.61e3	0.238		5.03				
9	21	N-MeFOSAA	570.1 > 419		2.96e3	0.238		5.20				
10	22	N-EtFOSAA	584.2 > 419		3.18e3	0.238		5.30				
11	23	PFUdA	563.0 > 518.9		7.64e3	0.238		5.36				

MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/5/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-56.qld

Last Altered: Sunday, February 04, 2018 12:00:28 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:01:52 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_56, Date: 30-Jan-2018, Time: 22:04:12, ID: 1800127-07 IRSite1-GW-MW85A-20180116 0.23848, Description: IRSite1-GW-MW85A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		6.49e3	0.238		5.65				
2	27	PFTrDA	662.9 > 618.9		3.03e3	0.238		5.90				
3	28	PFTeDA	712.9 > 668.8	1.07e1	3.03e3	0.238		6.12	6.08	0.0439		
4	36	13C3-PFBS	302. > 98.8	1.07e3	9.68e3	0.238	0.109	2.56	2.54	1.38	52.9804	101.1
5	37	13C2-PFHxA	315 > 269.8	2.42e3	9.68e3	0.238	0.684	3.05	3.04	3.13	19.1657	91.4
6	38	13C4-PFHpA	367.2 > 321.8	6.59e3	9.68e3	0.238	0.732	3.68	3.66	8.51	48.7327	93.0
7	39	18O2-PFHxS	403.0 > 102.6	7.86e2	2.30e3	0.238	0.318	3.80	3.81	4.27	56.2780	107.4
8	40	13C2-6:2 FTS	429.1 > 408.9	1.75e3	9.86e3	0.238	0.263	4.15	4.13	2.21	35.2905	67.3
9	41	13C2-PFOA	414.9 > 369.7	1.05e4	9.86e3	0.238	1.120	4.20	4.18	13.4	50.0838	95.6
10	42	13C5-PFNA	468.2 > 422.9	9.40e3	1.02e4	0.238	0.921	4.65	4.62	11.5	52.4839	100.1
11	43	13C8-PFOSA	506.1 > 77.7	1.49e3	1.07e4	0.238	0.245	4.70	4.69	1.73	29.6626	56.6
12	44	13C8-PFOS	507.0 > 79.9	2.27e3	2.50e3	0.238	1.034	4.75	4.71	11.4	46.1164	88.0
13	45	13C2-PFDA	515.1 > 469.9	7.61e3	8.03e3	0.238	1.080	5.03	5.00	11.8	46.0147	87.8
14	46	13C2-8:2 FTS	529.1 > 508.7	1.01e3	9.68e3	0.238	0.165	5.00	4.97	1.30	33.0480	63.1
15	47	d3-N-MeFOSAA	573.3 > 419	2.96e3	1.07e4	0.238	0.398	5.20	5.15	3.44	36.3027	69.3
16	48	d5-N-EtFOSAA	589.3 > 419	3.18e3	1.07e4	0.238	0.425	5.30	5.30	3.70	36.4963	69.6
17	49	13C2-PFUdA	565 > 519.8	7.64e3	1.07e4	0.238	1.047	5.36	5.32	8.90	35.6281	68.0
18	50	13C2-PFDoA	615.0 > 569.7	6.49e3	1.07e4	0.238	0.805	5.65	5.61	7.56	39.3860	75.1
19	52	13C2-PFTeDA	714.8 > 669.6	3.03e3	1.07e4	0.238	0.367	6.12	6.07	3.53	40.3732	77.0
20	57	13C4-PFBA	217. > 171.8	6.97e3	6.97e3	0.238	1.000	1.30	1.32	12.5	52.4153	100.0
21	58	13C5-PFHxA	318 > 272.9	9.68e3	9.68e3	0.238	1.000	3.05	3.04	12.5	52.4153	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.30e3	2.30e3	0.238	1.000	3.80	3.81	12.5	52.4153	100.0
23	60	13C8-PFOA	421.3 > 376	9.86e3	9.86e3	0.238	1.000	4.20	4.18	12.5	52.4153	100.0
24	61	13C9-PFNA	472.2 > 426.9	1.02e4	1.02e4	0.238	1.000	4.65	4.62	12.5	52.4153	100.0
25	62	13C4-PFOS	503 > 79.9	2.50e3	2.50e3	0.238	1.000	4.60	4.70	12.5	52.4153	100.0
26	63	13C6-PFDA	519.1 > 473.7	8.03e3	8.03e3	0.238	1.000	5.03	5.00	12.5	52.4153	100.0
27	64	13C7-PFUdA	570.1 > 524.8	1.07e4	1.07e4	0.238	1.000	5.36	5.32	12.5	52.4153	100.0
28	65	Total PFHxS	398.9 > 79.6	0.00e0	7.86e2	0.238		3.70		0.000		
29	66	Total PFOA	413 > 368.7	2.37e3	1.05e4	0.238		4.20		2.81	10.5921	
30	67	Total PFOS	499 > 79.9	0.00e0	2.27e3	0.238		4.70		0.000		
31	68	Total N-MeFOSAA	570.1 > 419	0.00e0	2.96e3	0.238		5.20		0.000		
32	69	Total N-EtFOSAA	584.2 > 419	0.00e0	3.18e3	0.238		5.30		0.000		

MSF 2/3/18

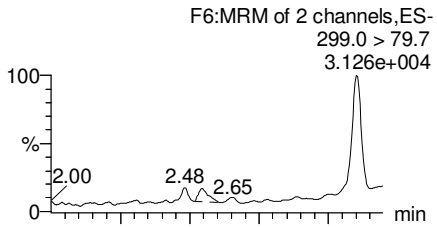
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-56.qld

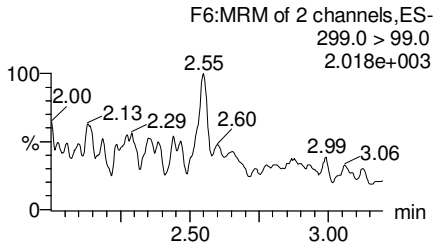
Last Altered: Sunday, February 04, 2018 12:00:28 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:01:52 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

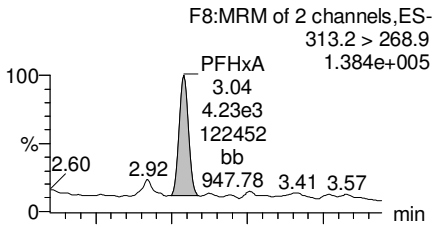
Name: 180130M2_56, Date: 30-Jan-2018, Time: 22:04:12, ID: 1800127-07 IRSite1-GW-MW85A-20180116 0.23848, Description: IRSite1-GW-MW85A-20180116

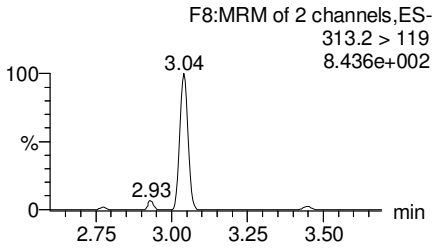
PFBS



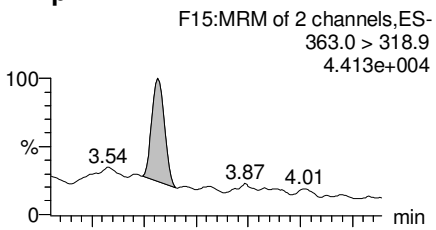


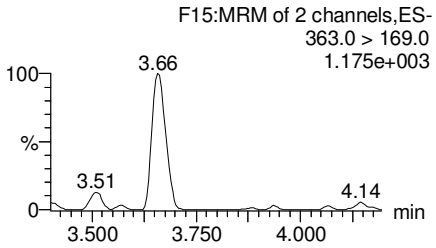
PFHxA





PFHpA





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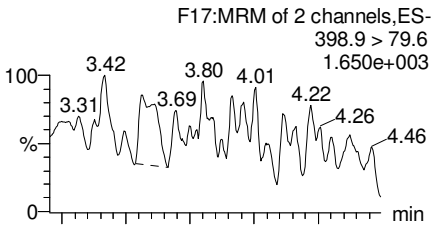

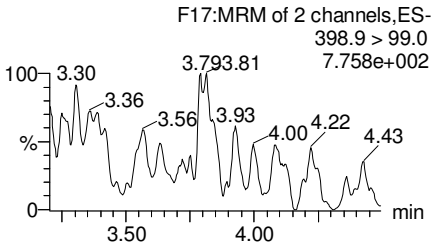

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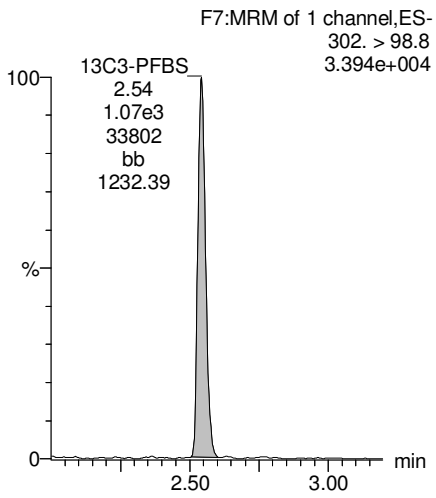
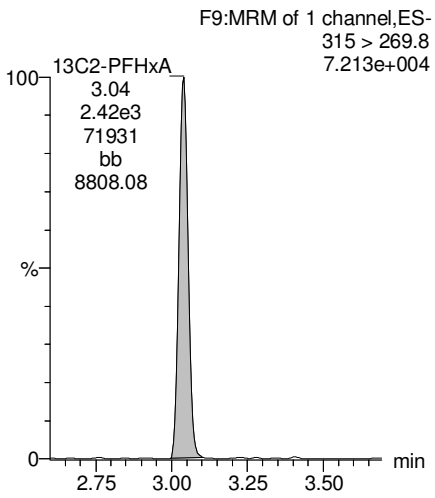
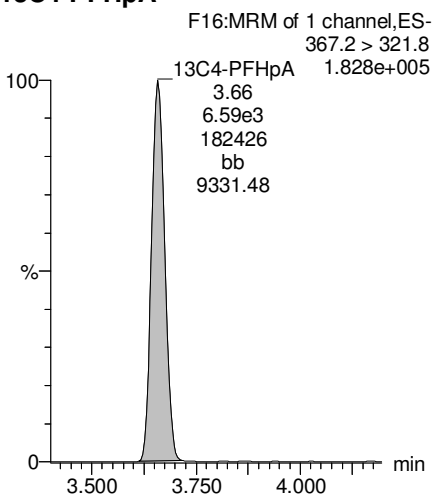


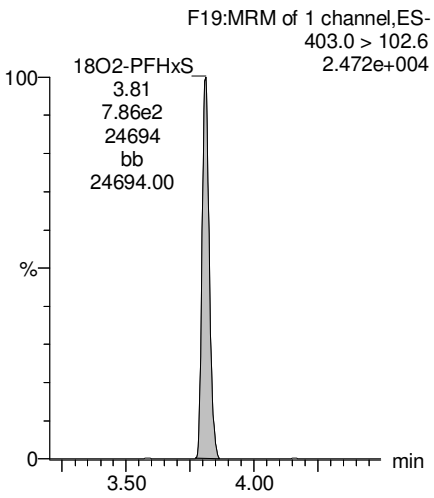
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



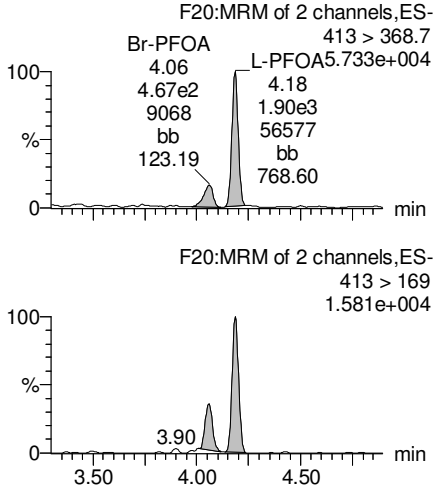
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-56.qld

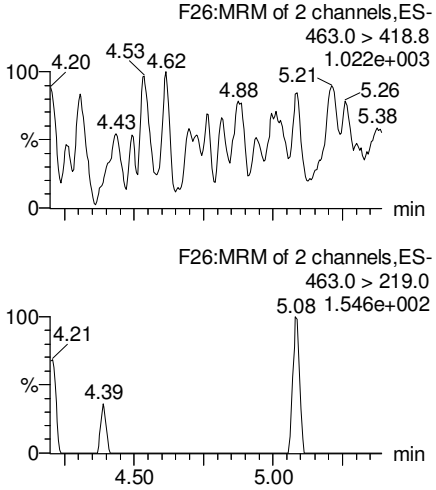
Last Altered: Sunday, February 04, 2018 12:00:28 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:01:52 Pacific Standard Time

Name: 180130M2_56, Date: 30-Jan-2018, Time: 22:04:12, ID: 1800127-07 IRSite1-GW-MW85A-20180116 0.23848, Description: IRSite1-GW-MW85A-20180116

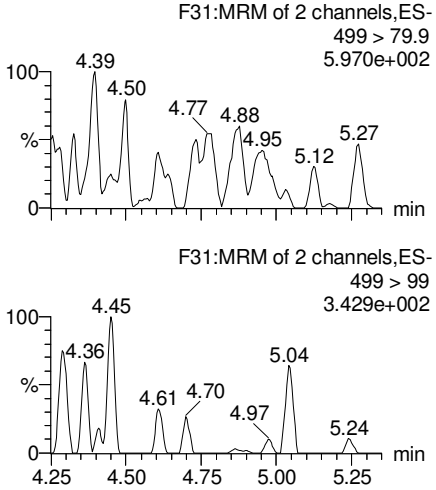
Total PFOA



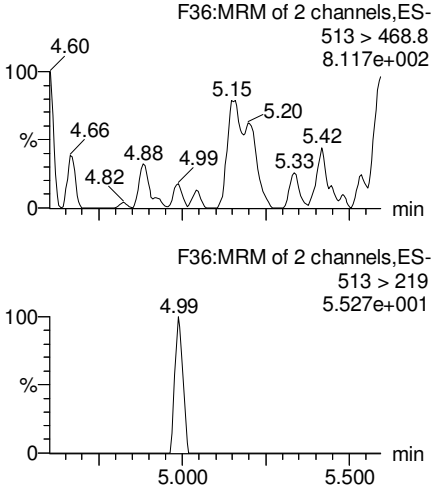
PFNA



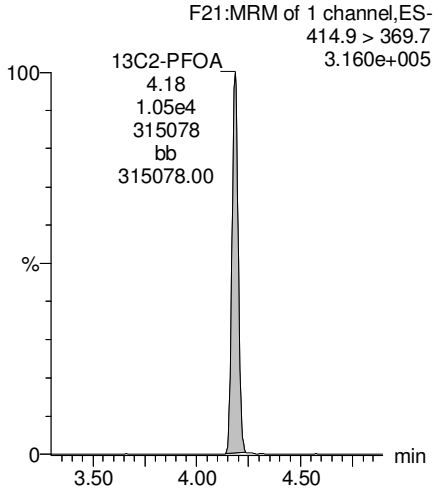
Total PFOS



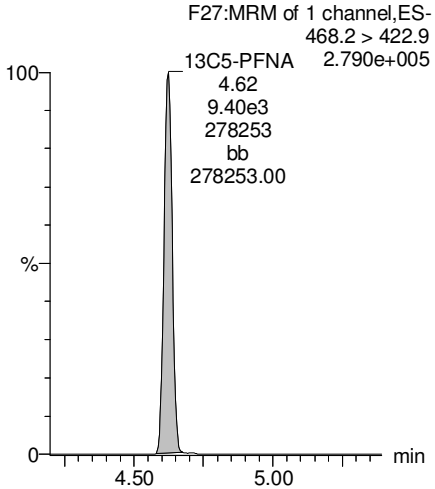
PFDA



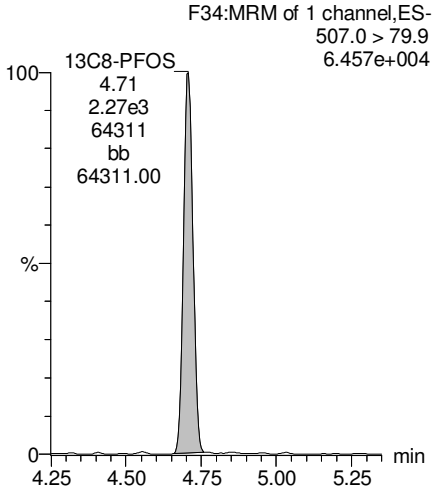
13C2-PFOA



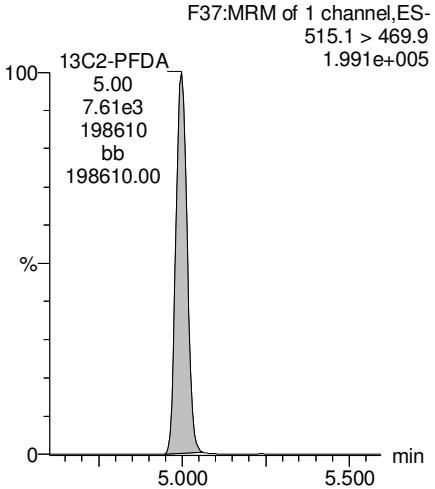
13C5-PFNA



13C8-PFOS



13C2-PFDA



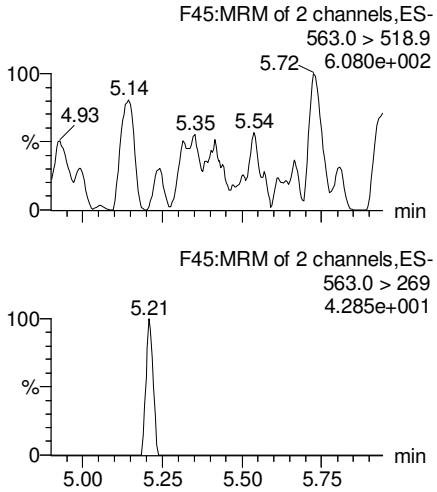
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-56.qld

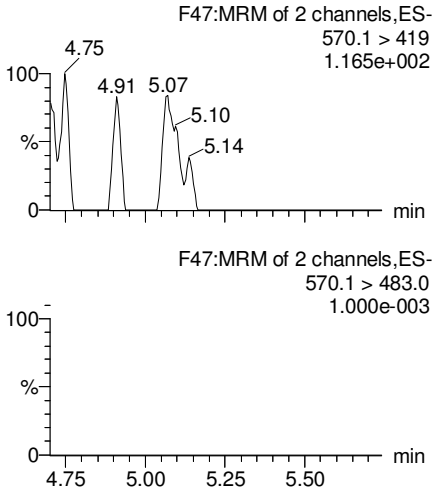
Last Altered: Sunday, February 04, 2018 12:00:28 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:01:52 Pacific Standard Time

Name: 180130M2_56, Date: 30-Jan-2018, Time: 22:04:12, ID: 1800127-07 IRSite1-GW-MW85A-20180116 0.23848, Description: IRSite1-GW-MW85A-20180116

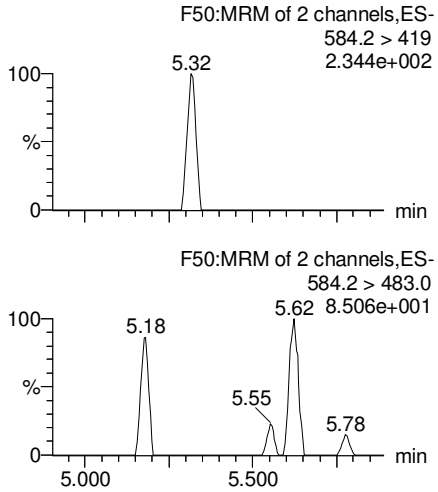
PFUdA



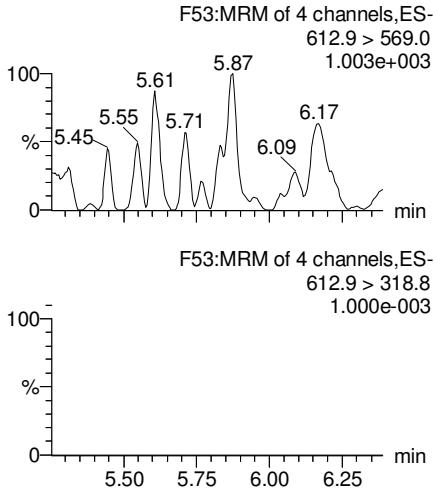
N-MeFOSAA



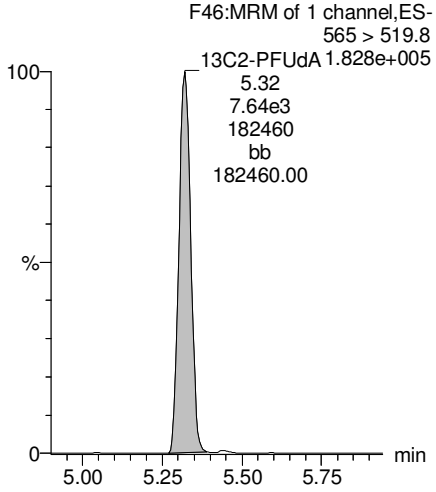
N-EtFOSAA



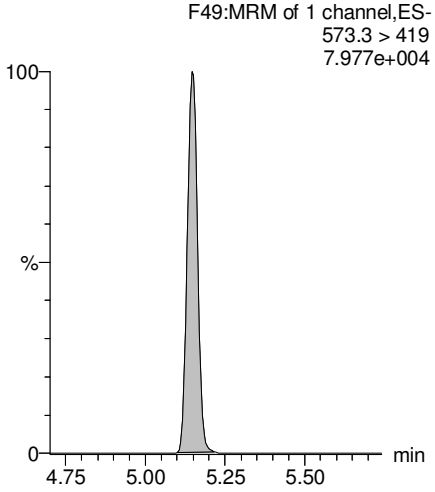
PFDoA



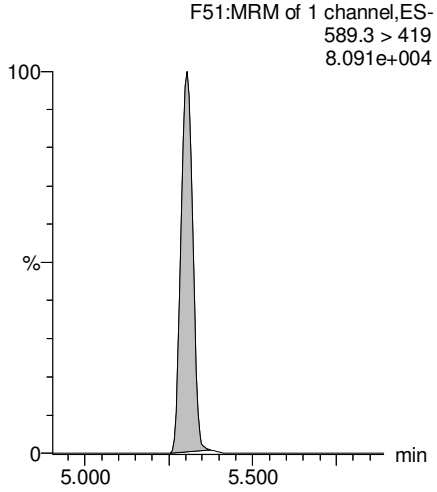
13C2-PFUdA



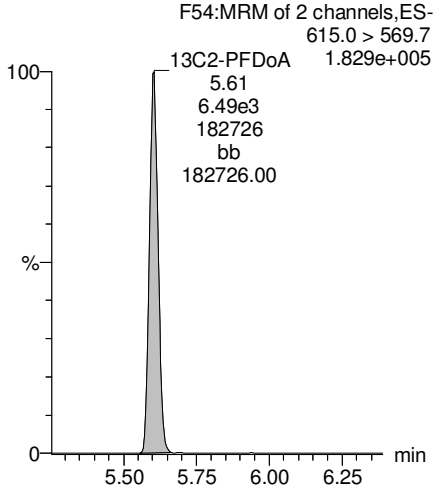
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



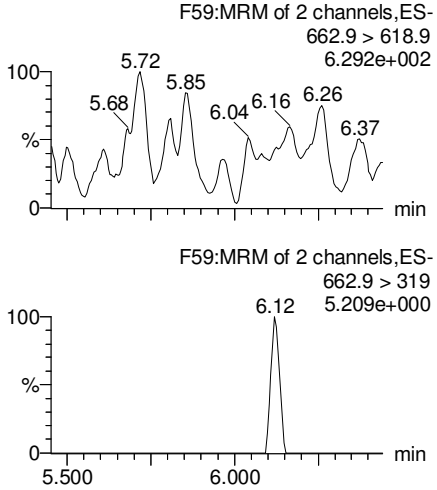
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-56.qld

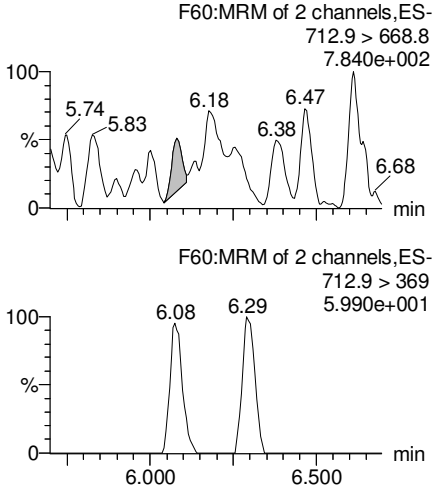
Last Altered: Sunday, February 04, 2018 12:00:28 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:01:52 Pacific Standard Time

Name: 180130M2_56, Date: 30-Jan-2018, Time: 22:04:12, ID: 1800127-07 IRSite1-GW-MW85A-20180116 0.23848, Description: IRSite1-GW-MW85A-20180116

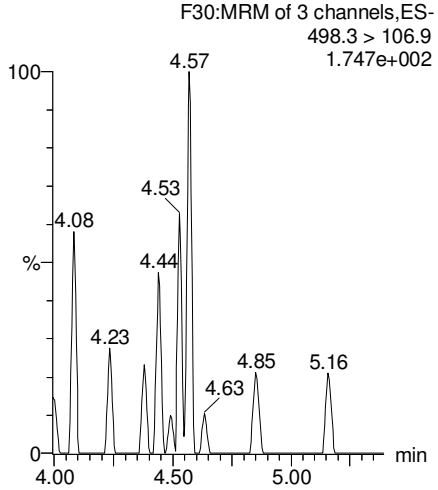
PFTrDA



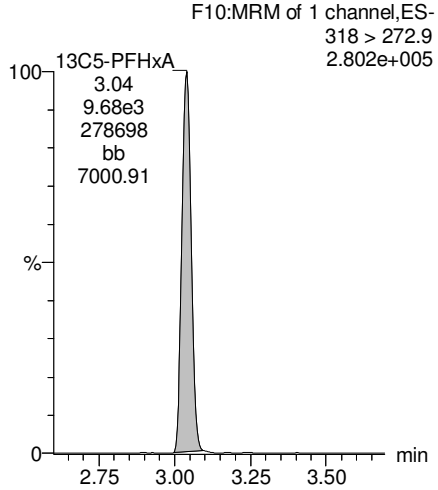
PFTeDA



TCDA



13C5-PFHxA



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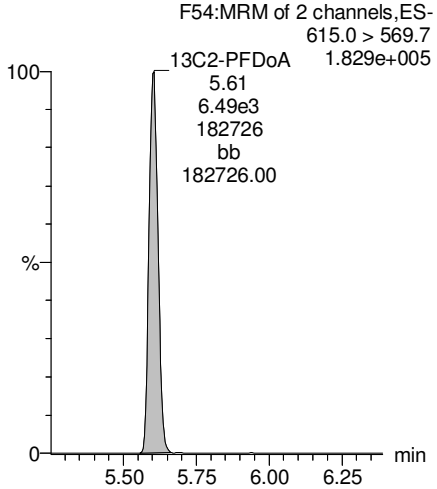

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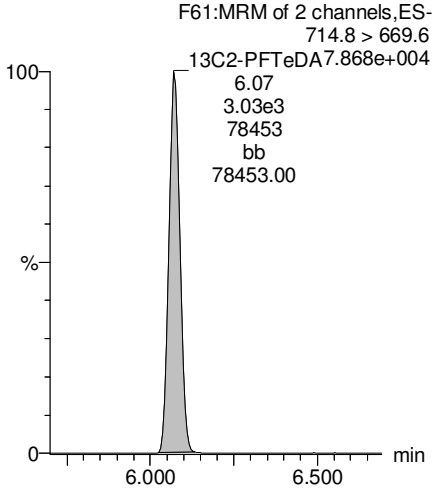
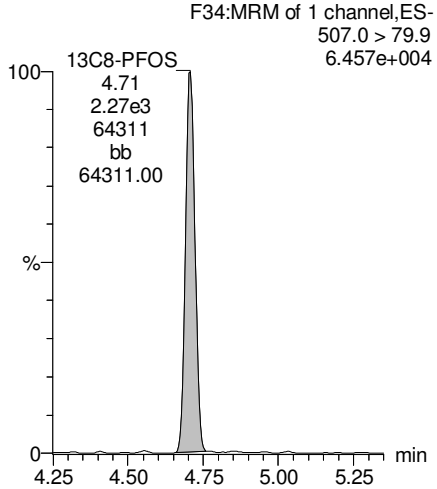


13C8-PFOS



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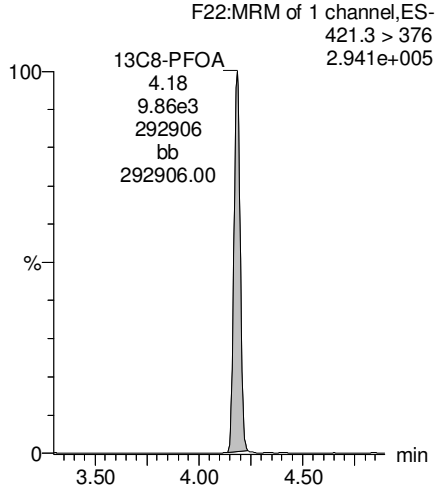


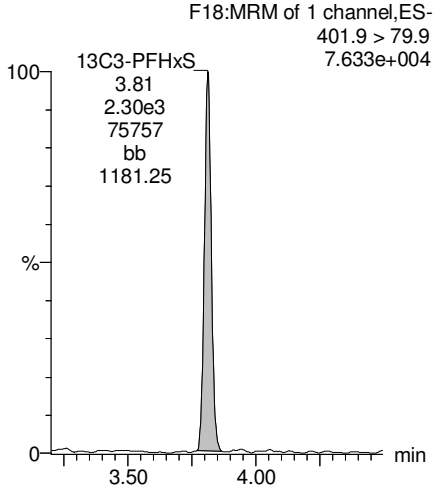
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-56.qld

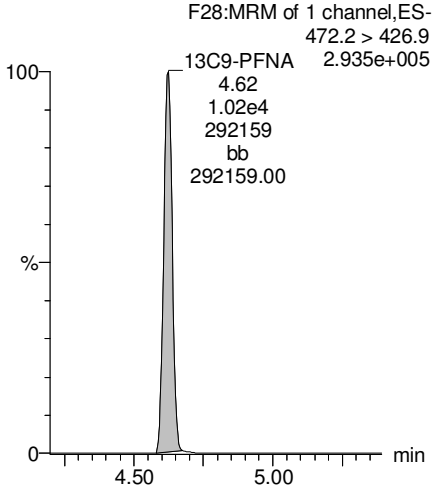
Last Altered: Sunday, February 04, 2018 12:00:28 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:01:52 Pacific Standard Time

Name: 180130M2_56, Date: 30-Jan-2018, Time: 22:04:12, ID: 1800127-07 IRSite1-GW-MW85A-20180116 0.23848, Description: IRSite1-GW-MW85A-20180116

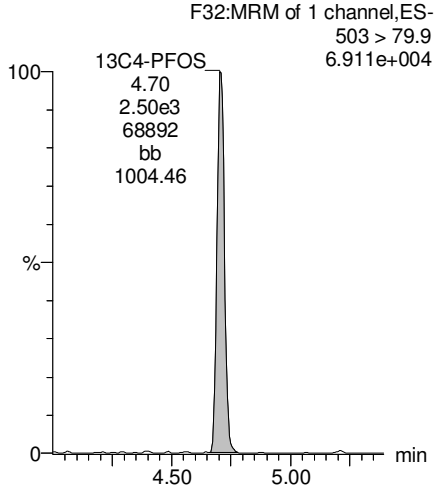
13C3-PFHxS



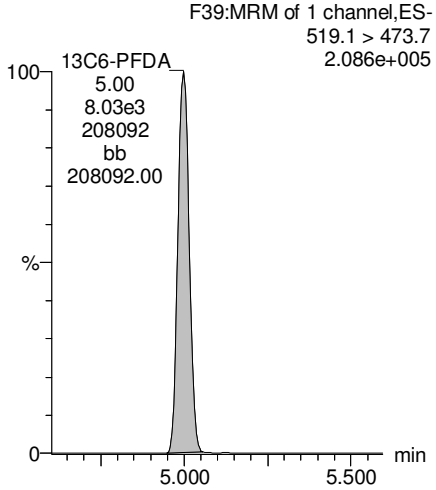
13C9-PFNA



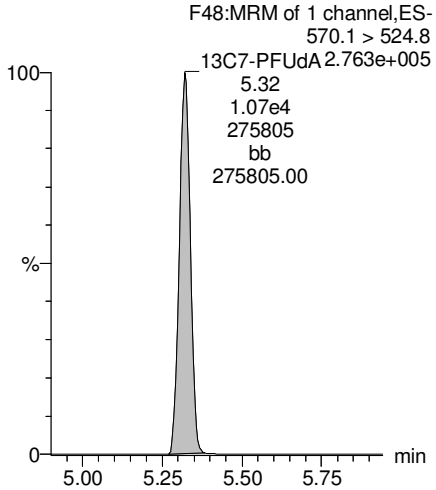
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-57.qld

Last Altered: Sunday, February 04, 2018 12:03:15 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:14:36 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_57, Date: 30-Jan-2018, Time: 22:15:39, ID: 1800127-08 DUP02-20180116 0.25425, Description: DUP02-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7		1.11e3	0.254		2.56				
2	5	PFHxA	313.2 > 268.9	4.76e3	2.68e3	0.254		3.05	3.04	8.86	21.5008	
3	7	PFHpA	363.0 > 318.9	1.37e3	7.27e3	0.254		3.68	3.65	2.36	7.4458	
4	8	L-PFHxS	398.9 > 79.6		8.20e2	0.254		3.80				
5	11	L-PFOA	413 > 368.7	1.93e3	9.91e3	0.254		4.20	4.18	2.44	8.8395	
6	14	PFNA	463.0 > 418.8		7.76e3	0.254		4.65				
7	16	L-PFOS	499 > 79.9		2.49e3	0.254		4.75				
8	18	PFDA	513 > 468.8		7.96e3	0.254		5.03				
9	21	N-MeFOSAA	570.1 > 419		2.85e3	0.254		5.20				
10	22	N-EtFOSAA	584.2 > 419		3.39e3	0.254		5.30				
11	23	PFUdA	563.0 > 518.9		9.67e3	0.254		5.36				

MSF 2/3/18

Vista Analytical Laboratory

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-57.qld

Last Altered: Sunday, February 04, 2018 12:03:15 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:14:50 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_57, Date: 30-Jan-2018, Time: 22:15:39, ID: 1800127-08 DUP02-20180116 0.25425, Description: DUP02-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	25	PFDoA	612.9 > 569.0		6.45e3	0.254		5.65				
2	27	PFTrDA	662.9 > 618.9		2.84e3	0.254		5.90				
3	28	PFTeDA	712.9 > 668.8		2.84e3	0.254		6.12				
4	36	13C3-PFBS	302. > 98.8	1.11e3	1.00e4	0.254	0.109	2.56	2.54	1.38	49.7532	101.2
5	37	13C2-PFHxA	315 > 269.8	2.68e3	1.00e4	0.254	0.684	3.05	3.04	3.35	19.2459	97.9
6	38	13C4-PFHpA	367.2 > 321.8	7.27e3	1.00e4	0.254	0.732	3.68	3.65	9.07	48.7347	99.1
7	39	18O2-PFHxS	403.0 > 102.6	8.20e2	2.56e3	0.254	0.318	3.80	3.81	4.00	49.4309	100.5
8	40	13C2-6:2 FTS	429.1 > 408.9	2.10e3	9.61e3	0.254	0.263	4.15	4.12	2.73	40.7669	82.9
9	41	13C2-PFOA	414.9 > 369.7	9.91e3	9.61e3	0.254	1.120	4.20	4.18	12.9	45.2288	92.0
10	42	13C5-PFNA	468.2 > 422.9	7.76e3	1.06e4	0.254	0.921	4.65	4.62	9.12	38.9529	79.2
11	43	13C8-PFOSA	506.1 > 77.7	1.43e3	1.17e4	0.254	0.245	4.70	4.68	1.53	24.5869	50.0
12	44	13C8-PFOS	507.0 > 79.9	2.49e3	2.56e3	0.254	1.034	4.75	4.70	12.1	46.1834	93.9
13	45	13C2-PFDA	515.1 > 469.9	7.96e3	7.32e3	0.254	1.080	5.03	4.99	13.6	49.5076	100.7
14	46	13C2-8:2 FTS	529.1 > 508.7	1.23e3	1.00e4	0.254	0.165	5.00	4.96	1.53	36.6146	74.5
15	47	d3-N-MeFOSAA	573.3 > 419	2.85e3	1.17e4	0.254	0.398	5.20	5.14	3.04	30.1064	61.2
16	48	d5-N-EtFOSAA	589.3 > 419	3.39e3	1.17e4	0.254	0.425	5.30	5.30	3.62	33.5118	68.2
17	49	13C2-PFUdA	565 > 519.8	9.67e3	1.17e4	0.254	1.047	5.36	5.32	10.3	38.8084	78.9
18	50	13C2-PFDoA	615.0 > 569.7	6.45e3	1.17e4	0.254	0.805	5.65	5.60	6.89	33.6529	68.4
19	52	13C2-PFTeDA	714.8 > 669.6	2.84e3	1.17e4	0.254	0.367	6.12	6.07	3.04	32.5700	66.2
20	57	13C4-PFBA	217. > 171.8	7.69e3	7.69e3	0.254	1.000	1.30	1.31	12.5	49.1642	100.0
21	58	13C5-PFHxA	318 > 272.9	1.00e4	1.00e4	0.254	1.000	3.05	3.03	12.5	49.1642	100.0
22	59	13C3-PFHxS	401.9 > 79.9	2.56e3	2.56e3	0.254	1.000	3.80	3.80	12.5	49.1642	100.0
23	60	13C8-PFOA	421.3 > 376	9.61e3	9.61e3	0.254	1.000	4.20	4.18	12.5	49.1642	100.0
24	61	13C9-PFNA	472.2 > 426.9	1.06e4	1.06e4	0.254	1.000	4.65	4.62	12.5	49.1642	100.0
25	62	13C4-PFOS	503 > 79.9	2.56e3	2.56e3	0.254	1.000	4.60	4.70	12.5	49.1642	100.0
26	63	13C6-PFDA	519.1 > 473.7	7.32e3	7.32e3	0.254	1.000	5.03	4.99	12.5	49.1642	100.0
27	64	13C7-PFUdA	570.1 > 524.8	1.17e4	1.17e4	0.254	1.000	5.36	5.32	12.5	49.1642	100.0
28	65	Total PFHxS	398.9 > 79.6	0.00e0	8.20e2	0.254		3.70		0.000		
29	66	Total PFOA	413 > 368.7	2.55e3	9.91e3	0.254		4.20		3.21	11.4523	
30	67	Total PFOS	499 > 79.9	0.00e0	2.49e3	0.254		4.70		0.000		
31	68	Total N-MeFOSAA	570.1 > 419	0.00e0	2.85e3	0.254		5.20		0.000		
32	69	Total N-EtFOSAA	584.2 > 419	0.00e0	3.39e3	0.254		5.30		0.000		

MSF 2/3/18

Vista Analytical Laboratory

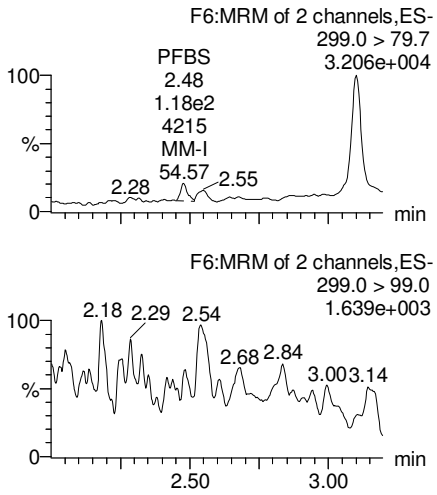
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-57.qld

Last Altered: Sunday, February 04, 2018 12:03:15 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:14:50 Pacific Standard Time

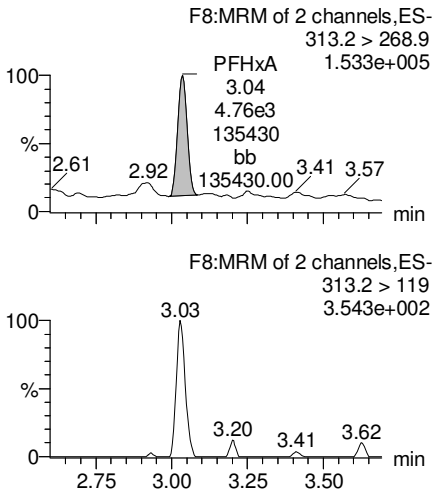
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_57, Date: 30-Jan-2018, Time: 22:15:39, ID: 1800127-08 DUP02-20180116 0.25425, Description: DUP02-20180116

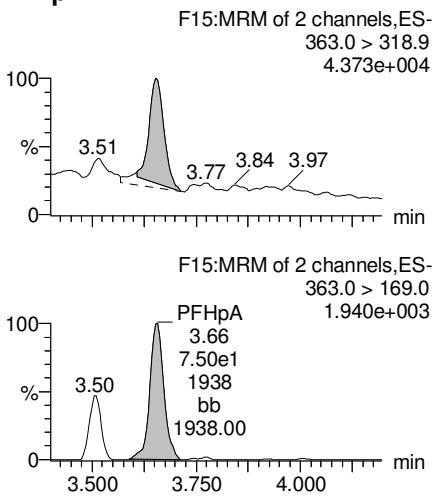
PFBS



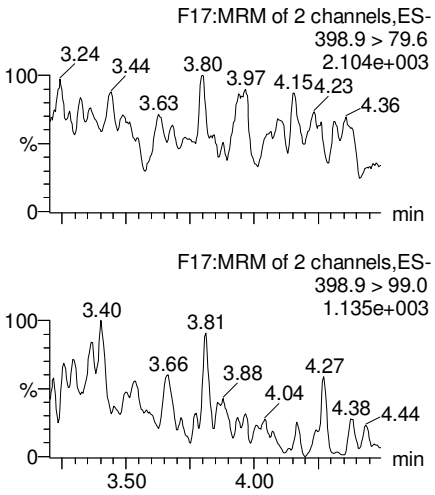
PFHxA



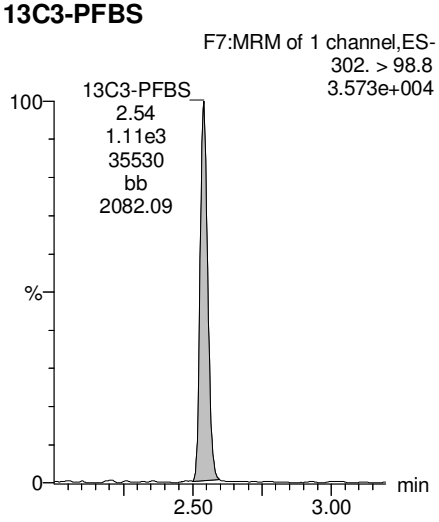
PFHpA



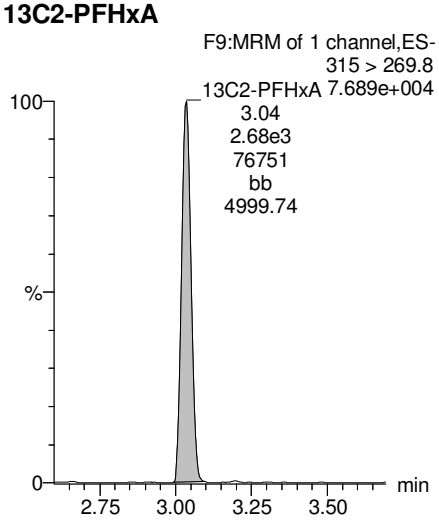
Total PFHxS



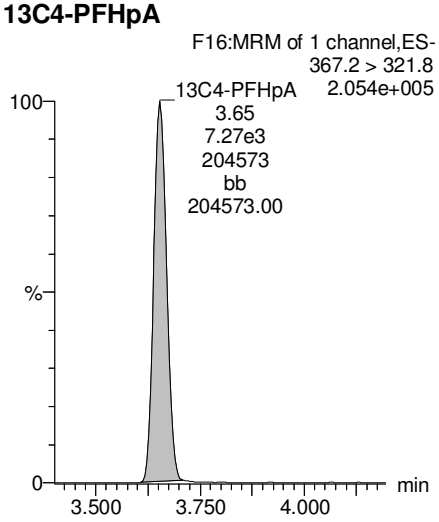
13C3-PFBS



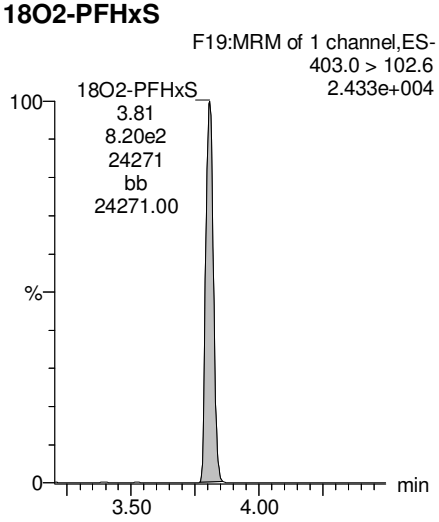
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



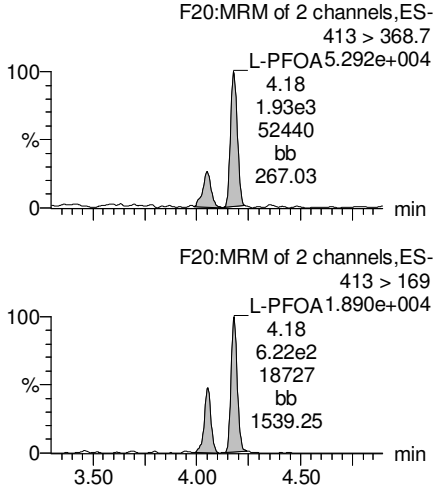
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-57.qld

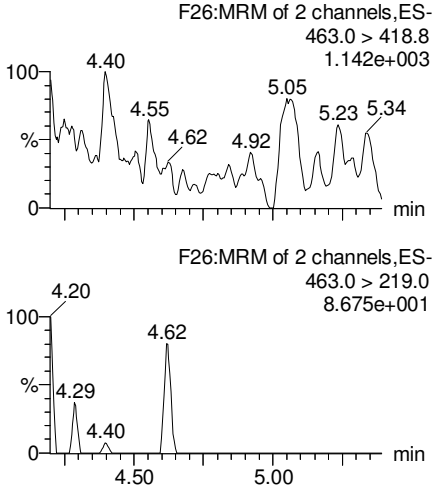
Last Altered: Sunday, February 04, 2018 12:03:15 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:14:50 Pacific Standard Time

Name: 180130M2_57, Date: 30-Jan-2018, Time: 22:15:39, ID: 1800127-08 DUP02-20180116 0.25425, Description: DUP02-20180116

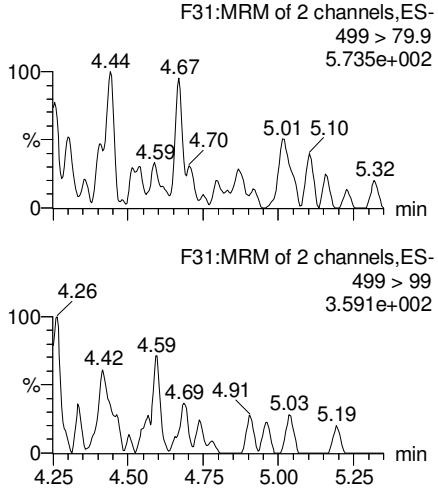
Total PFOA



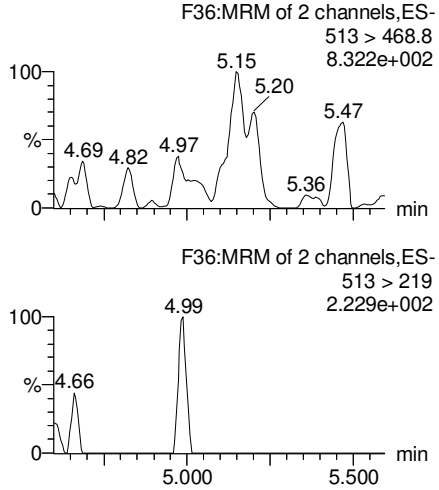
PFNA



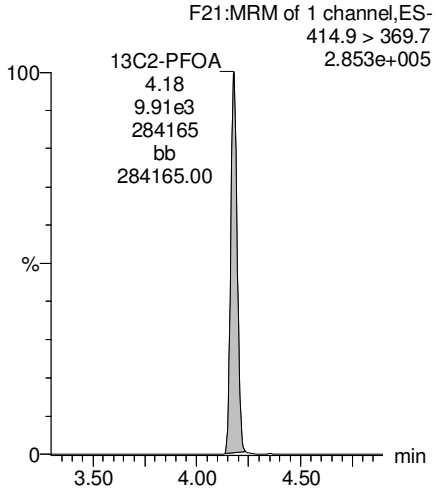
Total PFOS



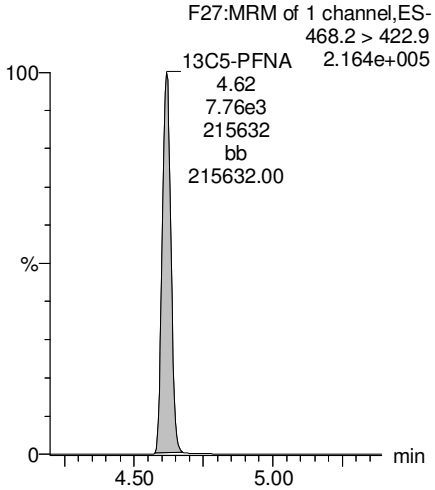
PFDA



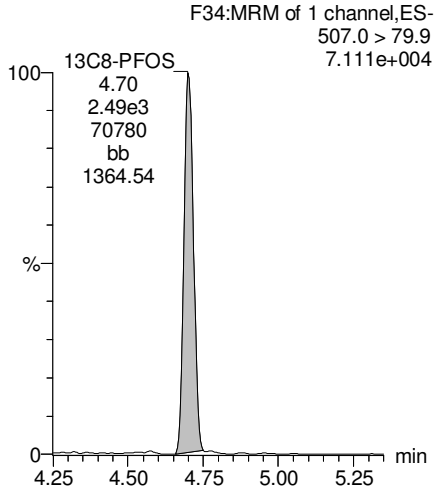
13C2-PFOA



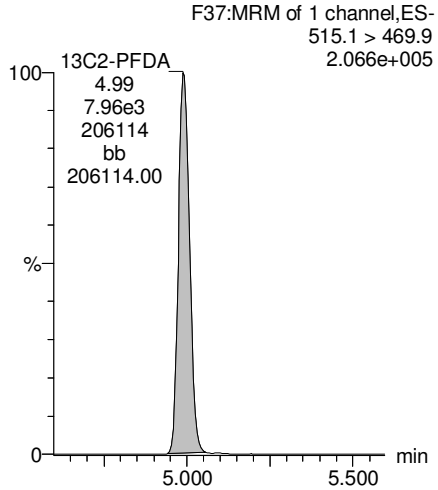
13C5-PFNA



13C8-PFOS



13C2-PFDA



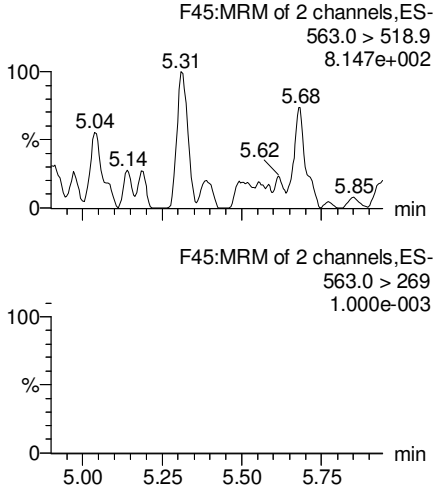
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-57.qld

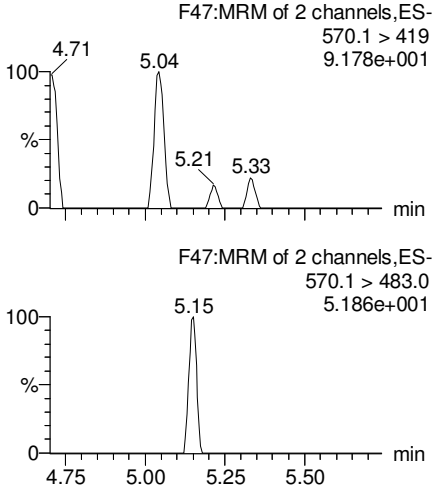
Last Altered: Sunday, February 04, 2018 12:03:15 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:14:50 Pacific Standard Time

Name: 180130M2_57, Date: 30-Jan-2018, Time: 22:15:39, ID: 1800127-08 DUP02-20180116 0.25425, Description: DUP02-20180116

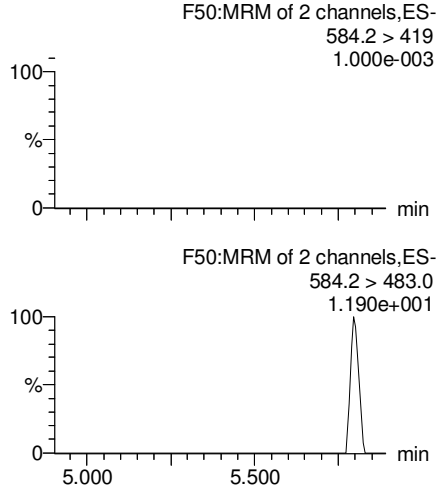
PFUdA



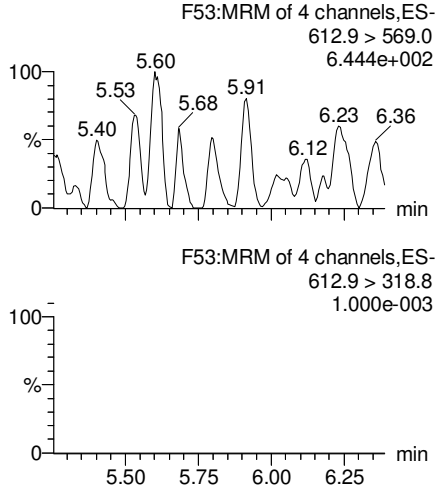
N-MeFOSAA



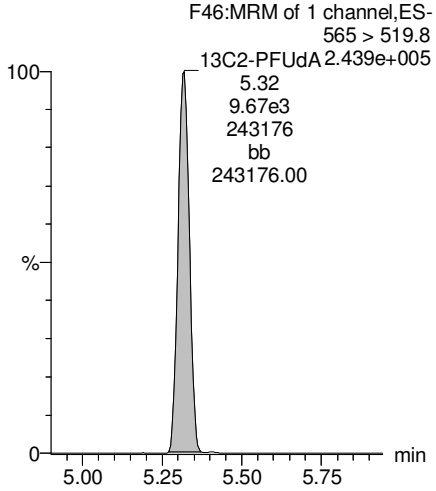
N-EtFOSAA



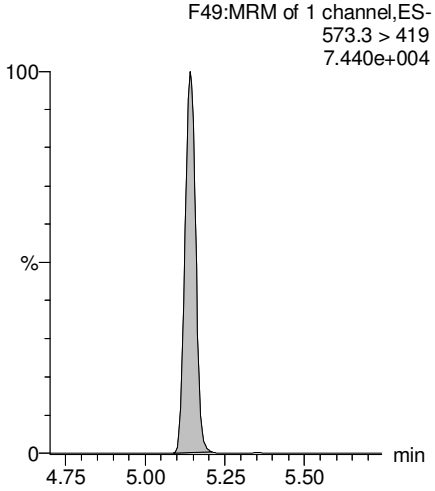
PFDoA



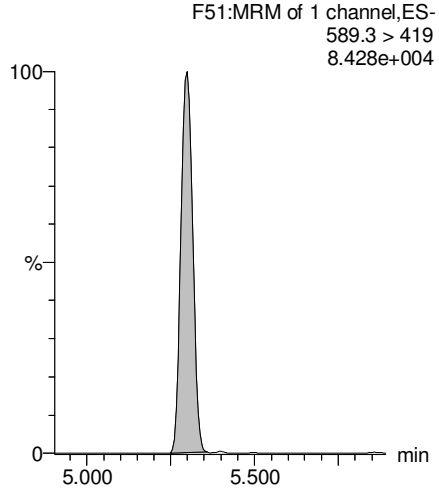
13C2-PFUdA



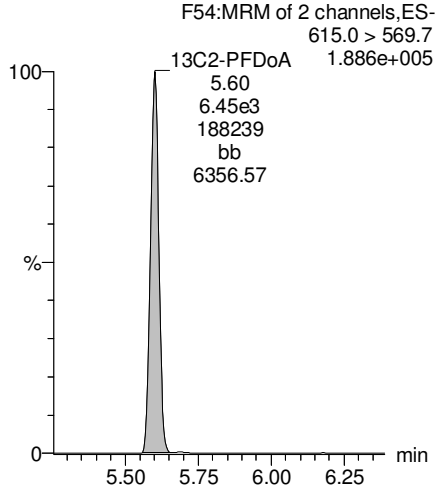
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



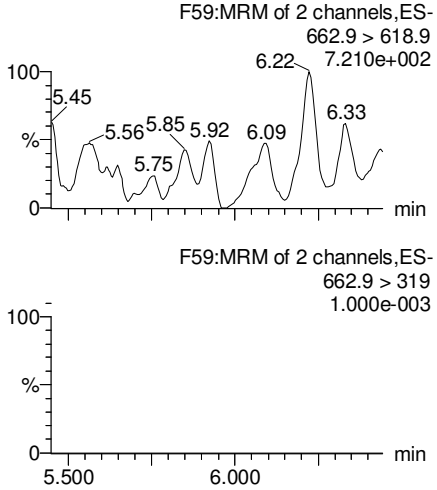
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-57.qld

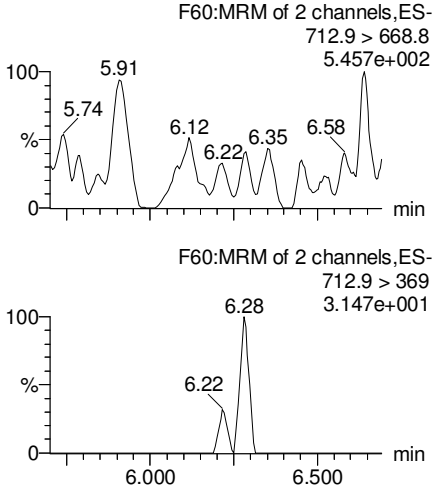
Last Altered: Sunday, February 04, 2018 12:03:15 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:14:50 Pacific Standard Time

Name: 180130M2_57, Date: 30-Jan-2018, Time: 22:15:39, ID: 1800127-08 DUP02-20180116 0.25425, Description: DUP02-20180116

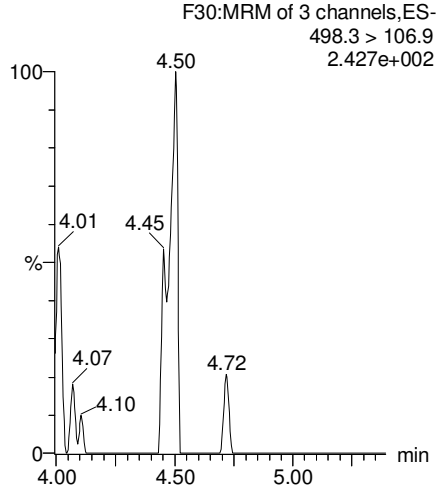
PFTrDA



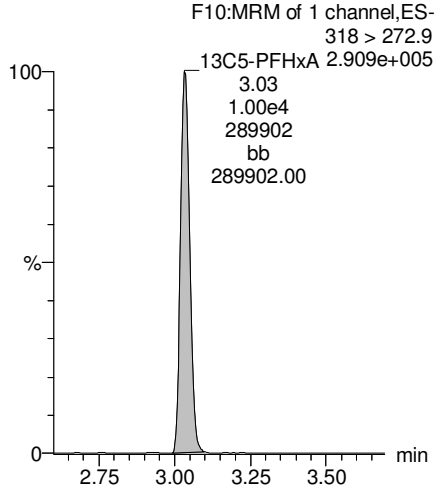
PFTeDA



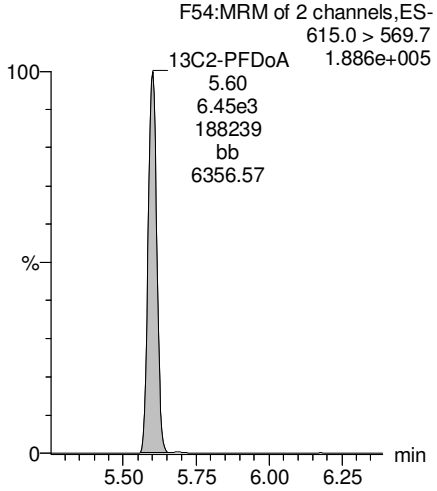
TCDA



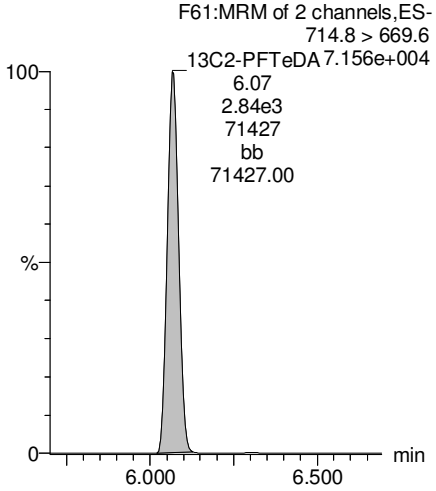
13C5-PFHxA



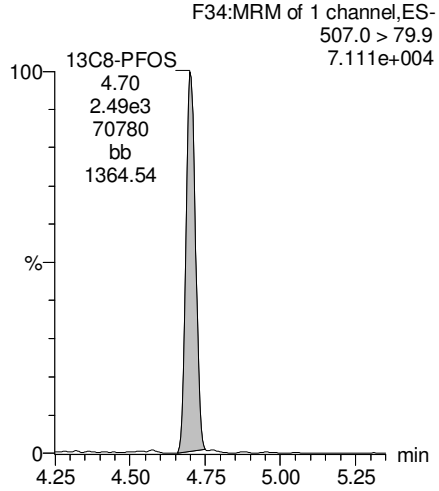
13C2-PFDoA



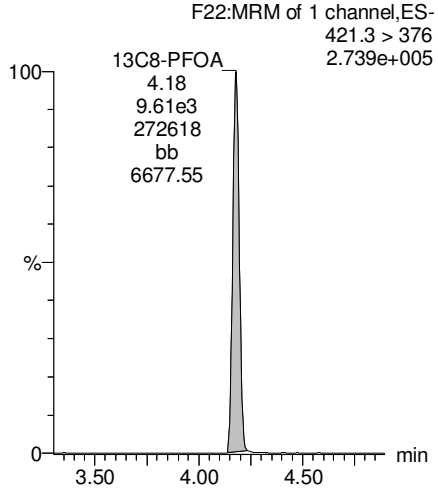
13C2-PFTeDA



13C8-PFOS



13C8-PFOA



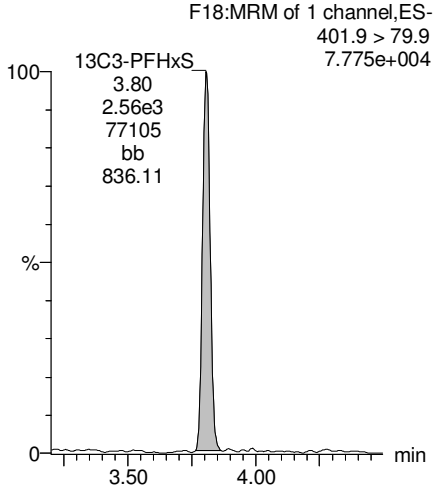
MSF 2/3/18

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-57.qld

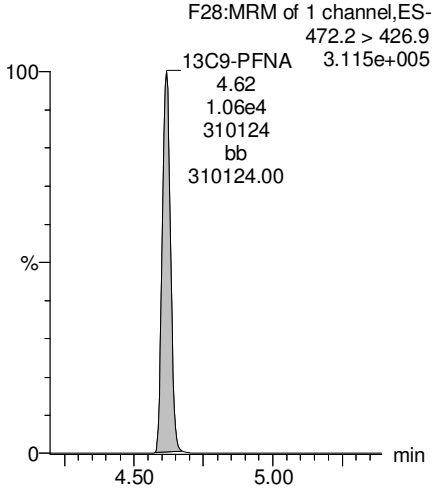
Last Altered: Sunday, February 04, 2018 12:03:15 Pacific Standard Time
Printed: Sunday, February 04, 2018 12:14:50 Pacific Standard Time

Name: 180130M2_57, Date: 30-Jan-2018, Time: 22:15:39, ID: 1800127-08 DUP02-20180116 0.25425, Description: DUP02-20180116

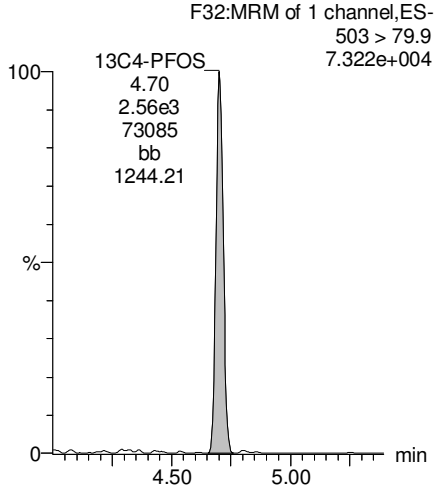
13C3-PFHxS



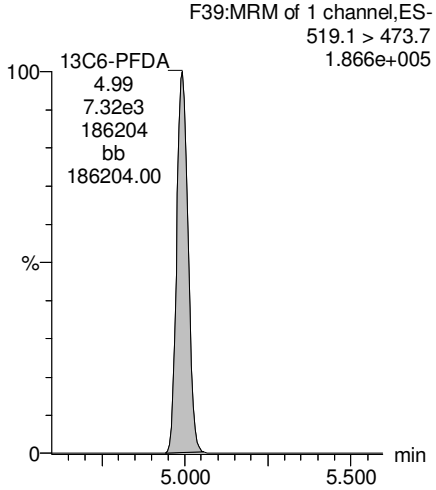
13C9-PFNA



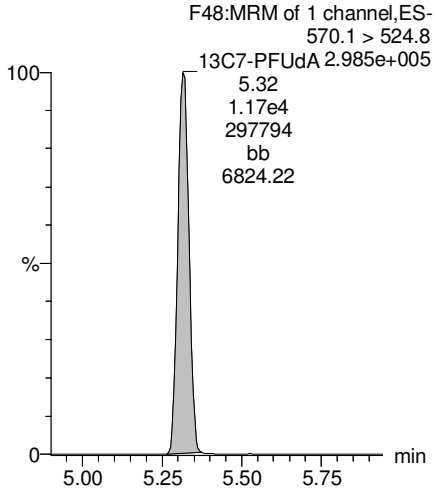
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MSF 2/3/18

Vista Analytical Laboratory

Rev'd: MM 2/7/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-58.qld

Last Altered: Wednesday, February 07, 2018 10:34:13 Pacific Standard Time
Printed: Wednesday, February 07, 2018 10:42:35 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_58, Date: 30-Jan-2018, Time: 22:27:06, ID: 1800127-09 IRSite1-GW-MW82A-20180116 0.26201, Description: IRSite1-GW-MW82A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	3	PFBS	299.0 > 79.7	1.00e2	1.11e3	0.262		2.56	2.55	1.13	2.2217	
2	5	PFHxA	313.2 > 268.9	3.38e3	2.70e3	0.262		3.05	3.04	6.25	14.6089	
3	7	PFHpA	363.0 > 318.9	1.51e3	6.91e3	0.262		3.68	3.66	2.73	8.4056	
4	8	L-PFHxS	398.9 > 79.6	1.41e2	8.20e2	0.262		3.80	3.81	2.15	4.3849	
5	11	L-PFOA	413 > 368.7	1.58e3	8.76e3	0.262		4.20	4.18	2.25	7.8921	
6	14	PFNA	463.0 > 418.8	2.66e2	7.76e3	0.262		4.65	4.62	0.429	0.8247	
7	16	L-PFOS	499 > 79.9	5.76e2	2.09e3	0.262		4.75	4.70	3.45	12.7569	
8	18	PFDA	513 > 468.8	5.13e1	7.95e3	0.262		5.03	4.98	0.0807		
9	21	N-MeFOSAA	570.1 > 419		2.74e3	0.262		5.20				
10	22	N-EtFOSAA	584.2 > 419		3.88e3	0.262		5.30				

MJT FOR MSF 2/7/2018

Vista Analytical Laboratory

Rev'd: MM 2/7/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-58.qld

Last Altered: Wednesday, February 07, 2018 10:34:13 Pacific Standard Time
Printed: Wednesday, February 07, 2018 10:42:48 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_58, Date: 30-Jan-2018, Time: 22:27:06, ID: 1800127-09 IRSite1-GW-MW82A-20180116 0.26201, Description: IRSite1-GW-MW82A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	23	PFUdA	563.0 > 518.9		1.05e4	0.262		5.36				
2	25	PFDoA	612.9 > 569.0		7.49e3	0.262		5.65				
3	27	PFTrDA	662.9 > 618.9		2.81e3	0.262		5.90				
4	28	PFTeDA	712.9 > 668.8		2.81e3	0.262		6.12				
5	36	13C3-PFBS	302. > 98.8	1.11e3	9.55e3	0.262	0.109	2.56	2.54	1.46	50.9910	106.9
6	37	13C2-PFHxA	315 > 269.8	2.70e3	9.55e3	0.262	0.684	3.05	3.04	3.53	19.7184	103.3
7	38	13C4-PFHpA	367.2 > 321.8	6.91e3	9.55e3	0.262	0.732	3.68	3.65	9.04	47.1313	98.8
8	39	18O2-PFHxS	403.0 > 102.6	8.20e2	2.44e3	0.262	0.318	3.80	3.81	4.21	50.4280	105.7
9	40	13C2-6:2 FTS	429.1 > 408.9	2.05e3	8.23e3	0.262	0.263	4.15	4.13	3.12	45.1863	94.7
10	41	13C2-PFOA	414.9 > 369.7	8.76e3	8.23e3	0.262	1.120	4.20	4.18	13.3	45.3501	95.1
11	42	13C5-PFNA	468.2 > 422.9	7.76e3	9.22e3	0.262	0.921	4.65	4.62	10.5	43.6126	91.4
12	43	13C8-PFOSA	506.1 > 77.7	1.61e3	1.07e4	0.262	0.245	4.70	4.68	1.88	29.2889	61.4
13	44	13C8-PFOS	507.0 > 79.9	2.09e3	2.28e3	0.262	1.034	4.75	4.70	11.4	42.2306	88.5
14	45	13C2-PFDA	515.1 > 469.9	7.95e3	8.90e3	0.262	1.080	5.03	4.99	11.2	39.4880	82.8
15	46	13C2-8:2 FTS	529.1 > 508.7	1.40e3	9.55e3	0.262	0.165	5.00	4.96	1.83	42.2933	88.7
16	47	d3-N-MeFOSAA	573.3 > 419	2.74e3	1.07e4	0.262	0.398	5.20	5.15	3.20	30.6758	64.3
17	48	d5-N-EtFOSAA	589.3 > 419	3.88e3	1.07e4	0.262	0.425	5.30	5.30	4.52	40.5839	85.1
18	49	13C2-PFUdA	565 > 519.8	1.05e4	1.07e4	0.262	1.047	5.36	5.32	12.3	44.6963	93.7
19	50	13C2-PFDoA	615.0 > 569.7	7.49e3	1.07e4	0.262	0.805	5.65	5.60	8.72	41.3522	86.7
20	51	d3-N-MeFOSA	515.2 > 168.9		1.07e4	0.262	0.104	5.70				
21	52	13C2-PFTeDA	714.8 > 669.6	2.81e3	1.07e4	0.262	0.367	6.12	6.07	3.28	34.0846	71.4
22	53	d5-N-ETFOSA	531.1 > 168.9		1.07e4	0.262	0.155	6.25				
23	54	13C2-PFHxDA	815 > 769.7	2.07e3	1.07e4	0.262	0.721	6.46	6.41	2.41	12.7767	67.0
24	55	d7-N-MeFOSE	623.1 > 58.9		1.07e4	0.262	0.143	6.31				
25	56	d9-N-EtFOSE	639.2 > 58.8		1.07e4	0.262	0.133	6.12				
26	57	13C4-PFBA	217. > 171.8	7.72e3	7.72e3	0.262	1.000	1.30	1.31	12.5	47.7081	100.0
27	58	13C5-PFHxA	318 > 272.9	9.55e3	9.55e3	0.262	1.000	3.05	3.04	12.5	47.7081	100.0
28	59	13C3-PFHxS	401.9 > 79.9	2.44e3	2.44e3	0.262	1.000	3.80	3.81	12.5	47.7081	100.0
29	60	13C8-PFOA	421.3 > 376	8.23e3	8.23e3	0.262	1.000	4.20	4.18	12.5	47.7081	100.0
30	61	13C9-PFNA	472.2 > 426.9	9.22e3	9.22e3	0.262	1.000	4.65	4.62	12.5	47.7081	100.0
31	62	13C4-PFOS	503 > 79.9	2.28e3	2.28e3	0.262	1.000	4.60	4.70	12.5	47.7081	100.0
32	63	13C6-PFDA	519.1 > 473.7	8.90e3	8.90e3	0.262	1.000	5.03	4.99	12.5	47.7081	100.0

MJT FOR MSF 2/7/2018

Vista Analytical Laboratory

Rev'd: MM 2/7/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-58.qld

Last Altered: Wednesday, February 07, 2018 10:34:13 Pacific Standard Time
Printed: Wednesday, February 07, 2018 10:42:48 Pacific Standard Time

Name: 180130M2_58, Date: 30-Jan-2018, Time: 22:27:06, ID: 1800127-09 IRSite1-GW-MW82A-20180116 0.26201, Description: IRSite1-GW-MW82A-20180116

	#	Name	Trace	Area	IS Area	Wt./Vol.	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
33	64	13C7-PFUdA	570.1 > 524.8	1.07e4	1.07e4	0.262	1.000	5.36	5.32	12.5	47.7081	100.0
34	65	Total PFHxS	398.9 > 79.6	1.41e2	8.20e2	0.262		3.70		2.15	4.3849	
35	66	Total PFOA	413 > 368.7	1.91e3	8.76e3	0.262		4.20		2.72	9.3371	
36	67	Total PFOS	499 > 79.9	5.76e2	2.09e3	0.262		4.70		3.45	12.7569	
37	68	Total N-MeFOSAA	570.1 > 419	0.00e0	2.74e3	0.262		5.20		0.000		
38	69	Total N-EtFOSAA	584.2 > 419	0.00e0	3.88e3	0.262		5.30		0.000		

MJT FOR MSF 2/7/2018

Vista Analytical Laboratory

Rev'd: MM 2/7/2018

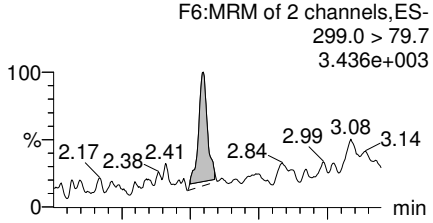
Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-58.qld

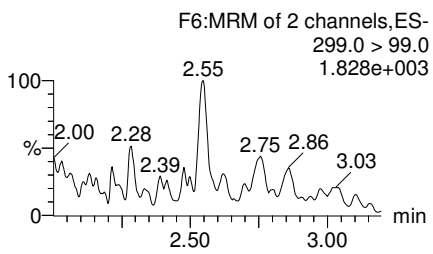
Last Altered: Wednesday, February 07, 2018 10:34:13 Pacific Standard Time
Printed: Wednesday, February 07, 2018 10:42:48 Pacific Standard Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 01 Feb 2018 10:41:05
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

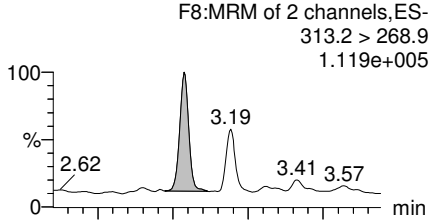
Name: 180130M2_58, Date: 30-Jan-2018, Time: 22:27:06, ID: 1800127-09 IRSite1-GW-MW82A-20180116 0.26201, Description: IRSite1-GW-MW82A-20180116

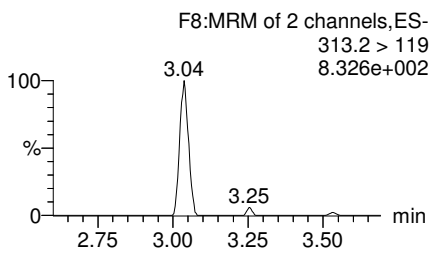
PFBS



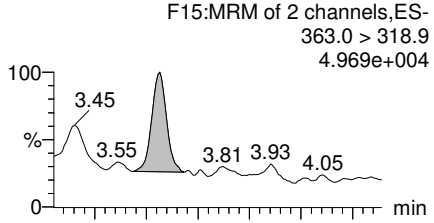


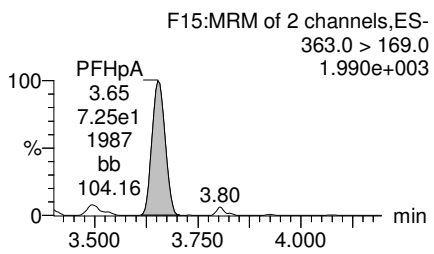
PFHxA



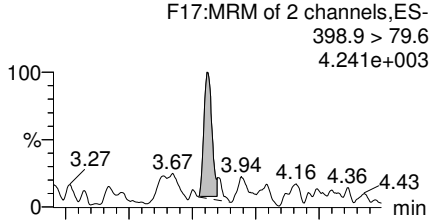


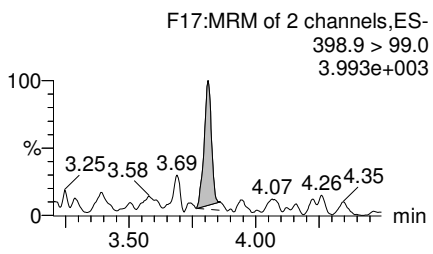
PFHpA



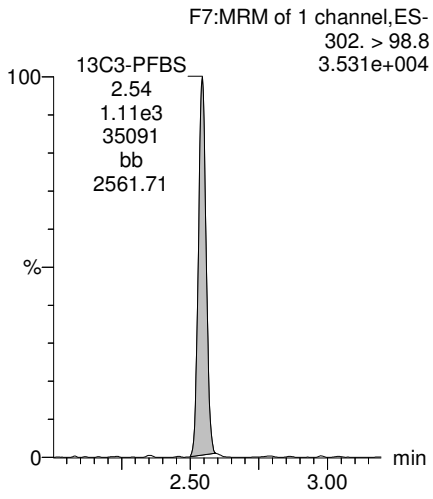


Total PFHxS

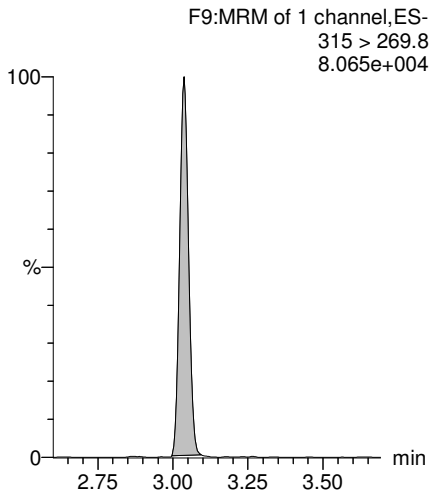




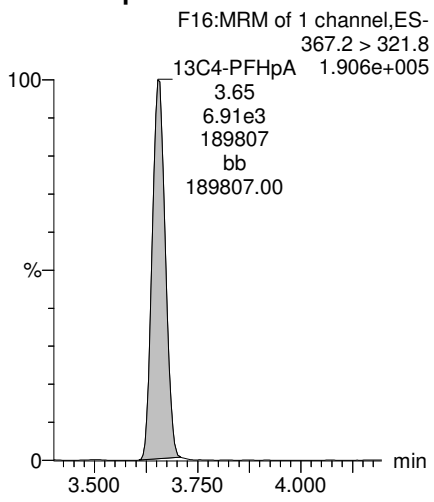
13C3-PFBS



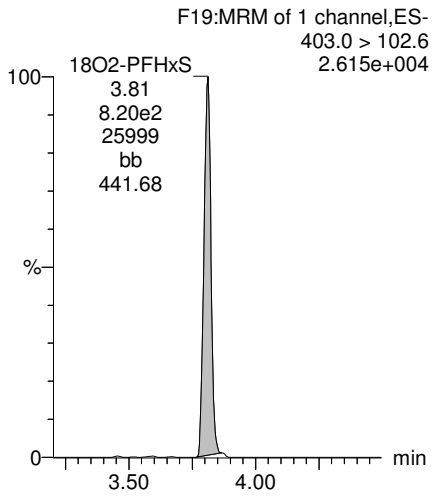
13C2-PFHxA



13C4-PFHpA



18O2-PFHxS



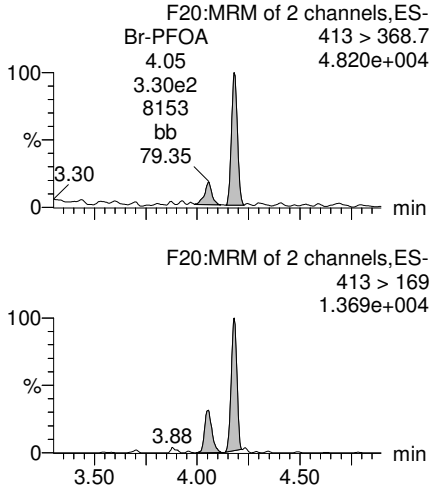
MJT FOR MSF 2/7/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-58.qld

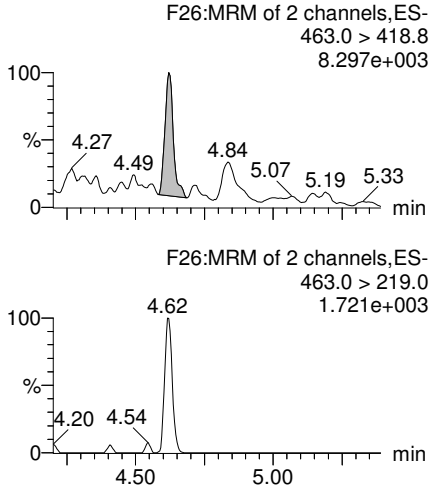
Last Altered: Wednesday, February 07, 2018 10:34:13 Pacific Standard Time
Printed: Wednesday, February 07, 2018 10:42:48 Pacific Standard Time

Name: 180130M2_58, Date: 30-Jan-2018, Time: 22:27:06, ID: 1800127-09 IRSite1-GW-MW82A-20180116 0.26201, Description: IRSite1-GW-MW82A-20180116

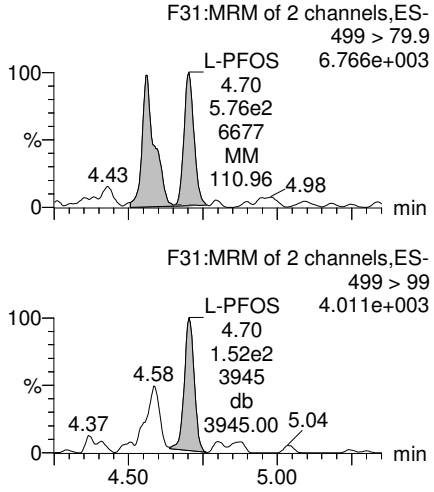
Total PFOA



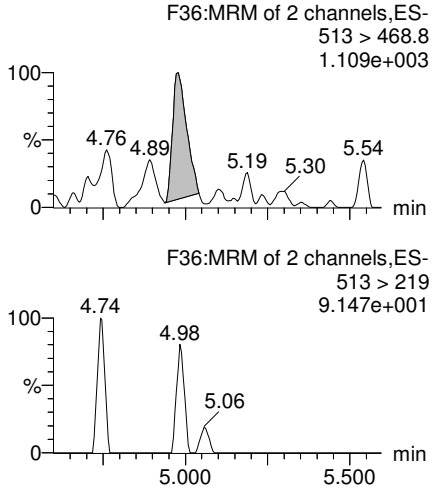
PFNA



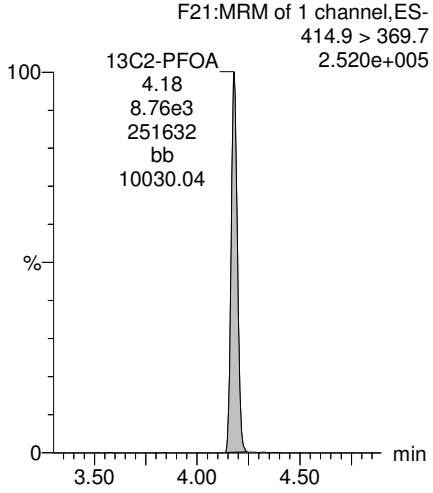
Total PFOS



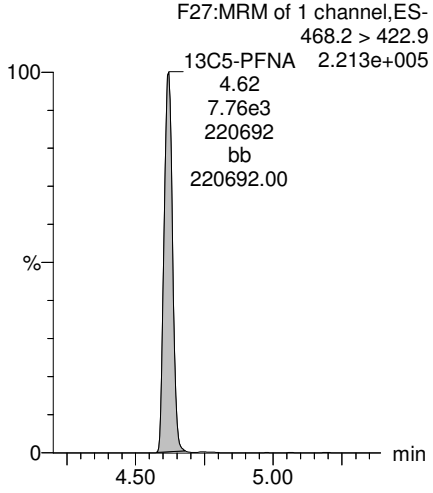
PFDA



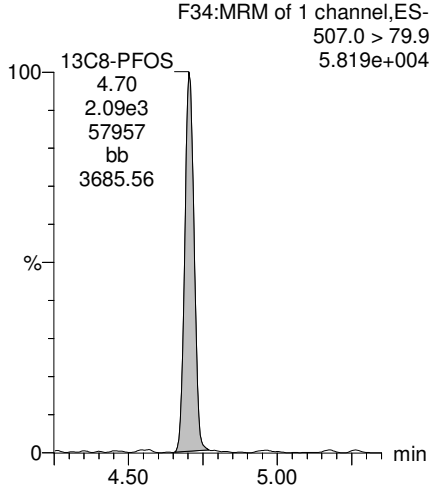
13C2-PFOA



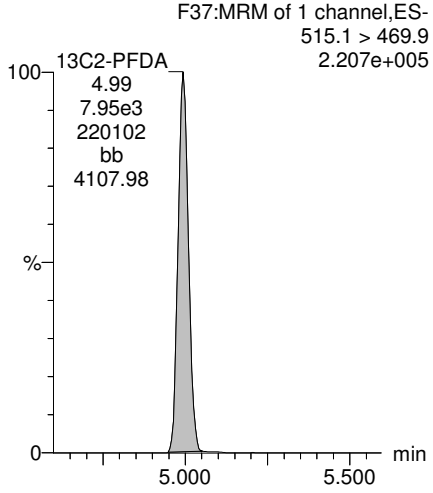
13C5-PFNA



13C8-PFOS



13C2-PFDA



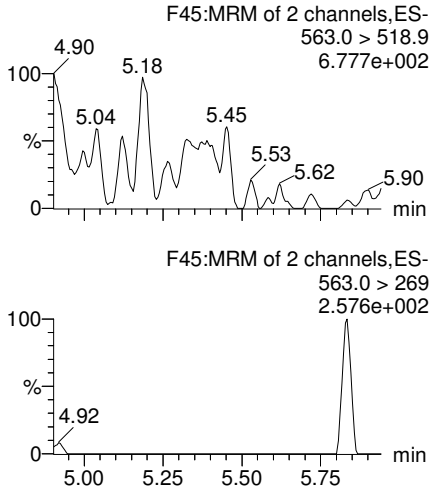
MJT FOR MSF 2/7/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-58.qld

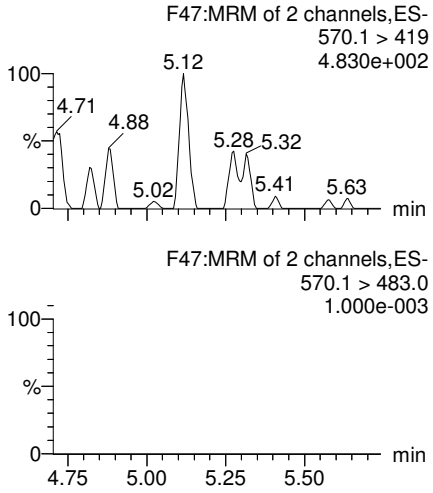
Last Altered: Wednesday, February 07, 2018 10:34:13 Pacific Standard Time
Printed: Wednesday, February 07, 2018 10:42:48 Pacific Standard Time

Name: 180130M2_58, Date: 30-Jan-2018, Time: 22:27:06, ID: 1800127-09 IRSite1-GW-MW82A-20180116 0.26201, Description: IRSite1-GW-MW82A-20180116

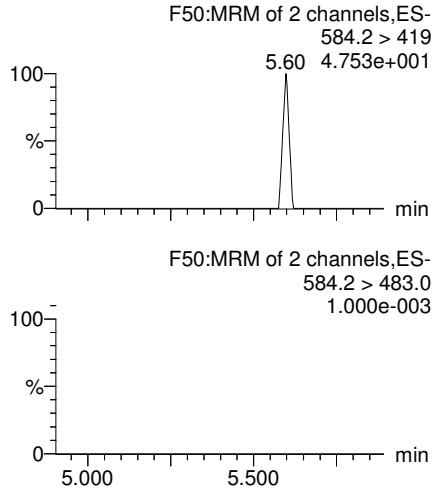
PFUdA



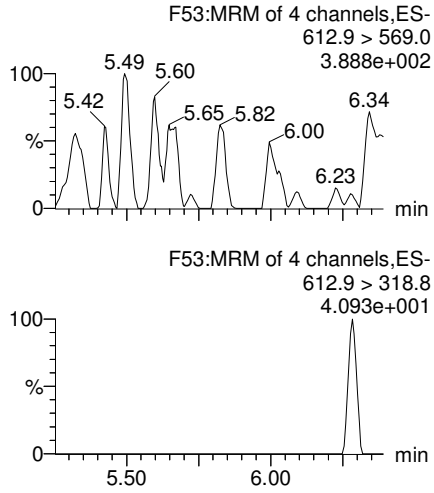
N-MeFOSAA



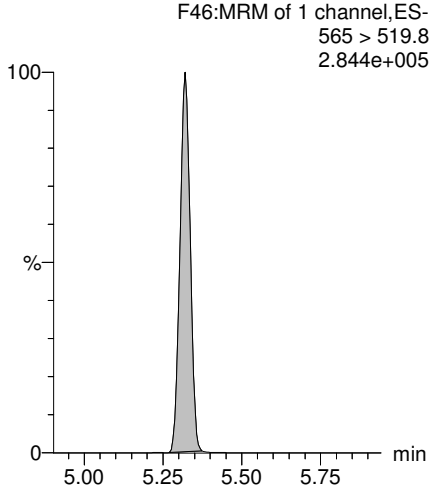
N-EtFOSAA



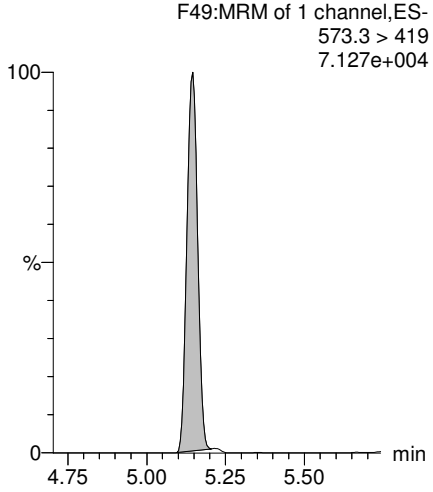
PFDoA



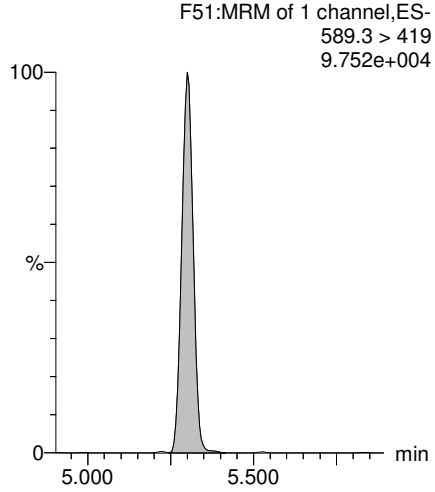
13C2-PFUdA



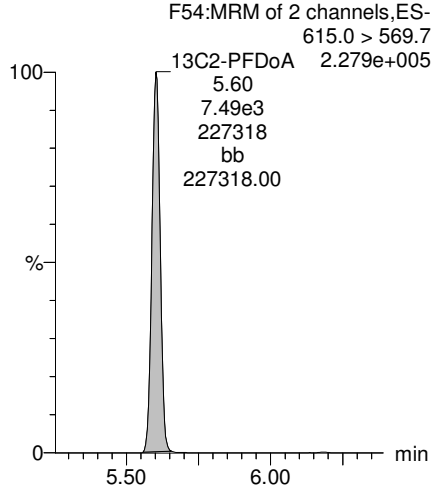
d3-N-MeFOSAA



d5-N-EtFOSAA



13C2-PFDoA



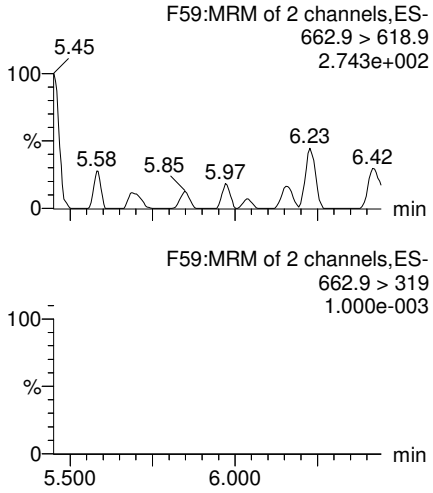
MJT FOR MSF 2/7/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-58.qld

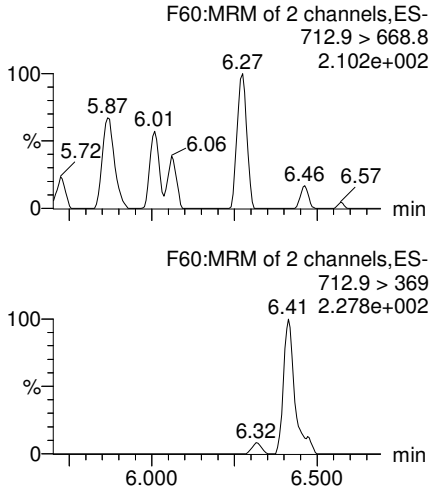
Last Altered: Wednesday, February 07, 2018 10:34:13 Pacific Standard Time
Printed: Wednesday, February 07, 2018 10:42:48 Pacific Standard Time

Name: 180130M2_58, Date: 30-Jan-2018, Time: 22:27:06, ID: 1800127-09 IRSite1-GW-MW82A-20180116 0.26201, Description: IRSite1-GW-MW82A-20180116

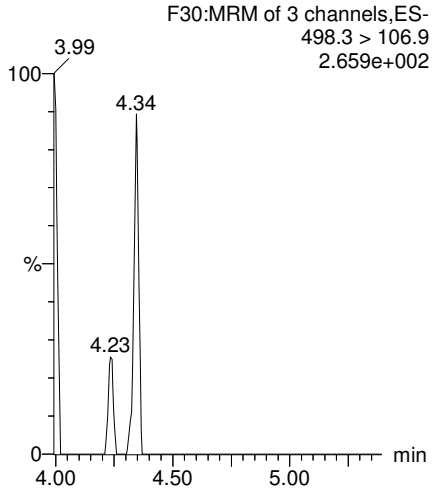
PFTrDA



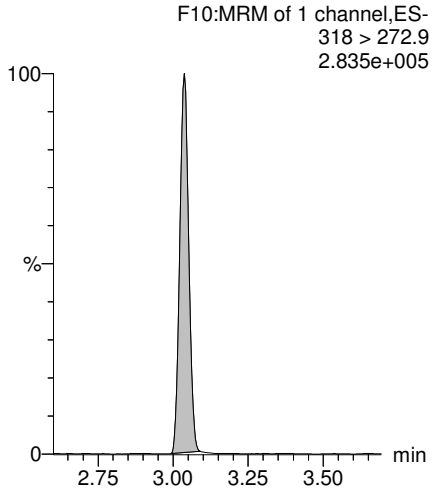
PFTeDA



TCDA



13C5-PFHxA



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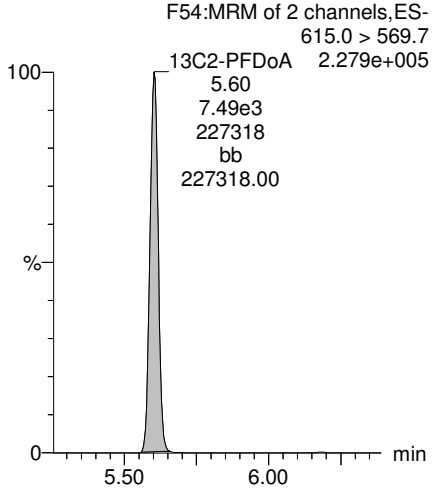

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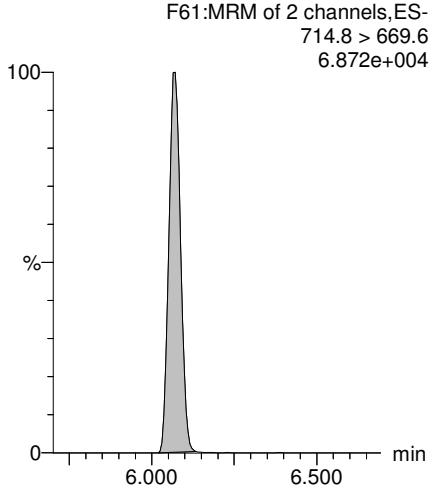
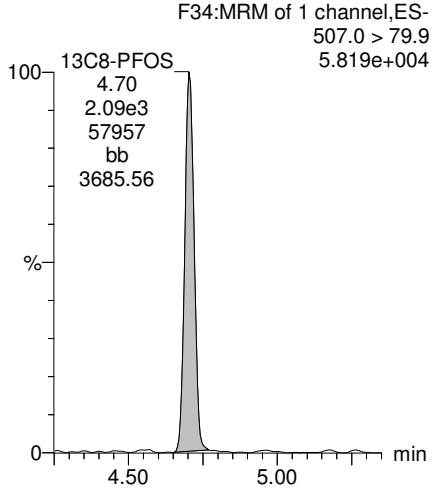
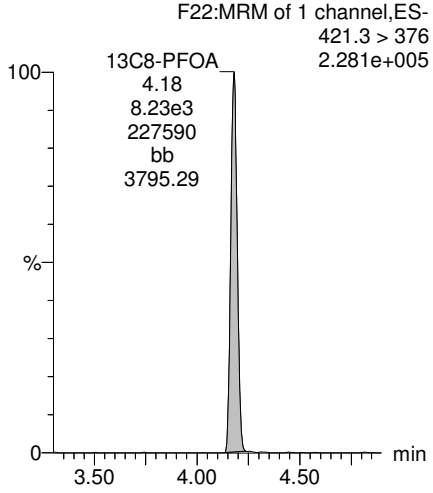


13C8-PFOS



13C8-PFOA



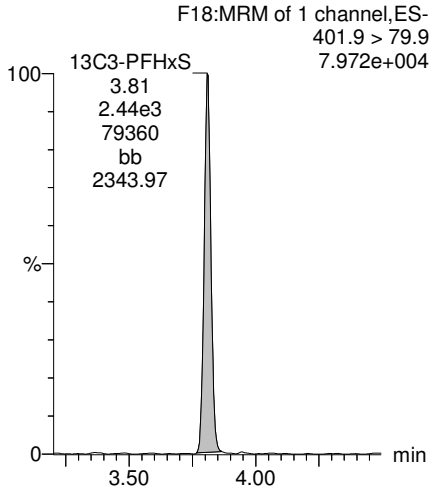
MJT FOR MSF 2/7/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180130M2\180130M2-58.qld

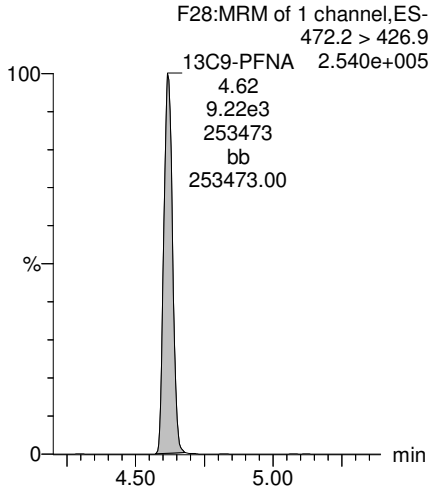
Last Altered: Wednesday, February 07, 2018 10:34:13 Pacific Standard Time
Printed: Wednesday, February 07, 2018 10:42:48 Pacific Standard Time

Name: 180130M2_58, Date: 30-Jan-2018, Time: 22:27:06, ID: 1800127-09 IRSite1-GW-MW82A-20180116 0.26201, Description: IRSite1-GW-MW82A-20180116

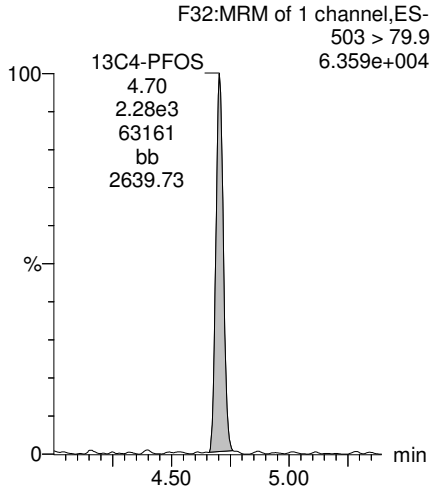
13C3-PFHxS



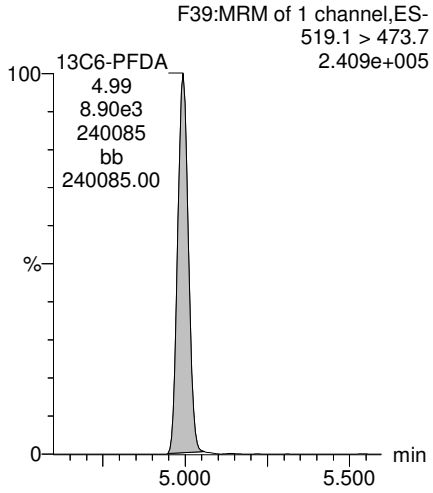
13C9-PFNA



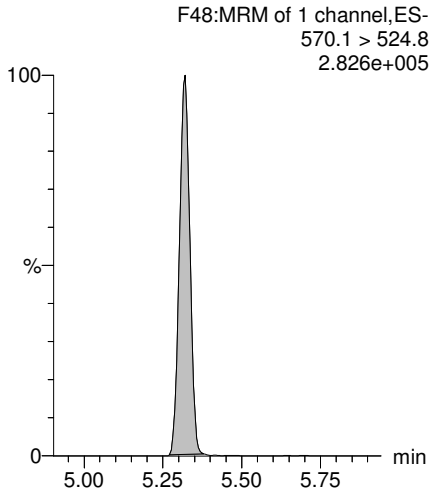
13C4-PFOS



13C6-PFDA



13C7-PFUdA



MJT FOR MSF 2/7/2018

INJECTION INTERNAL STANDARD (IIS) AREAS,

INSTRUMENT BLANKS (IB)

AND

CONTINUTING CALIBRATION VERIFICATIONS CCV)

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_RS-1-23-18.mdb 24 Jan 2018 12:08:53
Calibration: 31 Jan 2018 13:45:13

Name: 180130M2_7, Date: 30-Jan-2018, Time: 12:42:05, ID: ST180130M2-6 PFC CS3 18A1909, Description: PFC CS3 18A1909

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-6 PFC CS3 18A1909	8.96e3	100.0	NO
2	2	13C5-PFHxA	ST180130M2-6 PFC CS3 18A1909	1.41e4	100.0	NO
3	3	13C3-PFHxS	ST180130M2-6 PFC CS3 18A1909	3.31e3	100.0	NO
4	4	13C8-PFOA	ST180130M2-6 PFC CS3 18A1909	1.32e4	100.0	NO
5	5	13C9-PFNA	ST180130M2-6 PFC CS3 18A1909	1.46e4	100.0	NO
6	6	13C4-PFOS	ST180130M2-6 PFC CS3 18A1909	3.13e3	100.0	NO
7	7	13C6-PFDA	ST180130M2-6 PFC CS3 18A1909	1.17e4	100.0	NO
8	8	13C7-PFUdA	ST180130M2-6 PFC CS3 18A1909	1.44e4	100.0	NO

Name: 180130M2_8, Date: 30-Jan-2018, Time: 12:53:35, ID: ST180130M2-7 PFC CS4 18A1910, Description: PFC CS4 18A1910

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-7 PFC CS4 18A1910	8.63e3	96.2	NO
2	2	13C5-PFHxA	ST180130M2-7 PFC CS4 18A1910	1.45e4	103.0	NO
3	3	13C3-PFHxS	ST180130M2-7 PFC CS4 18A1910	3.38e3	102.3	NO
4	4	13C8-PFOA	ST180130M2-7 PFC CS4 18A1910	1.14e4	86.6	NO
5	5	13C9-PFNA	ST180130M2-7 PFC CS4 18A1910	1.34e4	91.8	NO
6	6	13C4-PFOS	ST180130M2-7 PFC CS4 18A1910	2.80e3	89.6	NO
7	7	13C6-PFDA	ST180130M2-7 PFC CS4 18A1910	1.16e4	99.5	NO
8	8	13C7-PFUdA	ST180130M2-7 PFC CS4 18A1910	1.42e4	98.5	NO

Name: 180130M2_9, Date: 30-Jan-2018, Time: 13:05:04, ID: ST180130M2-8 PFC CS5 18A1911, Description: PFC CS5 18A1911

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-8 PFC CS5 18A1911	1.01e4	112.5	NO
2	2	13C5-PFHxA	ST180130M2-8 PFC CS5 18A1911	1.41e4	99.9	NO
3	3	13C3-PFHxS	ST180130M2-8 PFC CS5 18A1911	3.21e3	97.1	NO
4	4	13C8-PFOA	ST180130M2-8 PFC CS5 18A1911	1.42e4	107.6	NO
5	5	13C9-PFNA	ST180130M2-8 PFC CS5 18A1911	1.45e4	99.7	NO
6	6	13C4-PFOS	ST180130M2-8 PFC CS5 18A1911	3.28e3	104.7	NO
7	7	13C6-PFDA	ST180130M2-8 PFC CS5 18A1911	1.26e4	107.6	NO
8	8	13C7-PFUdA	ST180130M2-8 PFC CS5 18A1911	1.63e4	113.2	NO

Name: 180130M2_10, Date: 30-Jan-2018, Time: 13:16:34, ID: ST180130M2-9 PFC CS6 18A2403, Description: PFC CS6 18A2403

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-9 PFC CS6 18A2403	9.70e3	108.2	NO
2	2	13C5-PFHxA	ST180130M2-9 PFC CS6 18A2403	1.35e4	95.7	NO
3	3	13C3-PFHxS	ST180130M2-9 PFC CS6 18A2403	3.04e3	92.0	NO
4	4	13C8-PFOA	ST180130M2-9 PFC CS6 18A2403	1.26e4	95.5	NO
5	5	13C9-PFNA	ST180130M2-9 PFC CS6 18A2403	1.24e4	84.7	NO
6	6	13C4-PFOS	ST180130M2-9 PFC CS6 18A2403	2.73e3	87.3	NO
7	7	13C6-PFDA	ST180130M2-9 PFC CS6 18A2403	1.07e4	91.5	NO
8	8	13C7-PFUdA	ST180130M2-9 PFC CS6 18A2403	1.32e4	91.8	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_11, Date: 30-Jan-2018, Time: 13:28:04, ID: ST180130M2-10 PFC CS7 18A2404, Description: PFC CS7 18A2404

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-10 PFC CS7 18A2404	9.07e3	101.1	NO
2	2	13C5-PFHxA	ST180130M2-10 PFC CS7 18A2404	1.22e4	86.3	NO
3	3	13C3-PFHxS	ST180130M2-10 PFC CS7 18A2404	2.86e3	86.5	NO
4	4	13C8-PFOA	ST180130M2-10 PFC CS7 18A2404	9.72e3	73.7	NO
5	5	13C9-PFNA	ST180130M2-10 PFC CS7 18A2404	9.96e3	68.2	NO
6	6	13C4-PFOS	ST180130M2-10 PFC CS7 18A2404	2.74e3	87.6	NO
7	7	13C6-PFDA	ST180130M2-10 PFC CS7 18A2404	9.22e3	78.8	NO
8	8	13C7-PFUdA	ST180130M2-10 PFC CS7 18A2404	1.11e4	77.4	NO

Name: 180130M2_12, Date: 30-Jan-2018, Time: 13:39:34, 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-PFUdA	IPA			NO

Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ICV180130M2-1 PFC ICV 18A1903	8.15e3	90.9	NO
2	2	13C5-PFHxA	ICV180130M2-1 PFC ICV 18A1903	1.50e4	106.7	NO
3	3	13C3-PFHxS	ICV180130M2-1 PFC ICV 18A1903	3.19e3	96.5	NO
4	4	13C8-PFOA	ICV180130M2-1 PFC ICV 18A1903	1.27e4	96.6	NO
5	5	13C9-PFNA	ICV180130M2-1 PFC ICV 18A1903	1.45e4	99.2	NO
6	6	13C4-PFOS	ICV180130M2-1 PFC ICV 18A1903	3.20e3	102.2	NO
7	7	13C6-PFDA	ICV180130M2-1 PFC ICV 18A1903	1.10e4	94.0	NO
8	8	13C7-PFUdA	ICV180130M2-1 PFC ICV 18A1903	1.35e4	93.9	NO

Name: 180130M2_14, Date: 30-Jan-2018, Time: 14:02:33, 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-PFUdA	IPA			NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_15, Date: 30-Jan-2018, Time: 14:14:05, ID: 1800188-02 REEPDW133FRB 0.11579, Description: REEPDW133FRB

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800188-02 REEPDW133FRB 0.11579	9.15e3	102.1	NO
2	2	13C5-PFHxA	1800188-02 REEPDW133FRB 0.11579	1.18e4	83.7	NO
3	3	13C3-PFHxS	1800188-02 REEPDW133FRB 0.11579	2.81e3	85.0	NO
4	4	13C8-PFOA	1800188-02 REEPDW133FRB 0.11579	1.00e4	76.2	NO
5	5	13C9-PFNA	1800188-02 REEPDW133FRB 0.11579	1.12e4	77.0	NO
6	6	13C4-PFOS	1800188-02 REEPDW133FRB 0.11579	2.87e3	91.6	NO
7	7	13C6-PFDA	1800188-02 REEPDW133FRB 0.11579	9.32e3	79.6	NO
8	8	13C7-PFUdA	1800188-02 REEPDW133FRB 0.11579	1.02e4	71.0	NO

Name: 180130M2_16, Date: 30-Jan-2018, Time: 14:25:29, ID: 1800204-03 REEPDW137 0.11904, Description: REEPDW137

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800204-03 REEPDW137 0.11904	8.19e3	91.4	NO
2	2	13C5-PFHxA	1800204-03 REEPDW137 0.11904	1.07e4	76.0	NO
3	3	13C3-PFHxS	1800204-03 REEPDW137 0.11904	2.93e3	88.7	NO
4	4	13C8-PFOA	1800204-03 REEPDW137 0.11904	1.02e4	77.4	NO
5	5	13C9-PFNA	1800204-03 REEPDW137 0.11904	8.67e3	59.5	NO
6	6	13C4-PFOS	1800204-03 REEPDW137 0.11904	2.95e3	94.4	NO
7	7	13C6-PFDA	1800204-03 REEPDW137 0.11904	7.72e3	66.0	NO
8	8	13C7-PFUdA	1800204-03 REEPDW137 0.11904	1.09e4	75.4	NO

Name: 180130M2_17, Date: 30-Jan-2018, Time: 14:36:56, ID: 1800204-07 REEPDW513 0.11719, Description: REEPDW513

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800204-07 REEPDW513 0.11719	9.85e3	109.9	NO
2	2	13C5-PFHxA	1800204-07 REEPDW513 0.11719	1.09e4	77.2	NO
3	3	13C3-PFHxS	1800204-07 REEPDW513 0.11719	2.87e3	86.7	NO
4	4	13C8-PFOA	1800204-07 REEPDW513 0.11719	9.74e3	73.9	NO
5	5	13C9-PFNA	1800204-07 REEPDW513 0.11719	1.20e4	82.4	NO
6	6	13C4-PFOS	1800204-07 REEPDW513 0.11719	2.79e3	89.1	NO
7	7	13C6-PFDA	1800204-07 REEPDW513 0.11719	9.37e3	80.1	NO
8	8	13C7-PFUdA	1800204-07 REEPDW513 0.11719	1.31e4	91.2	NO

Name: 180130M2_18, Date: 30-Jan-2018, Time: 14:48:23, ID: B8A0173-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0173-BLK1 Method Blank 0.125	8.17e3	91.1	NO
2	2	13C5-PFHxA	B8A0173-BLK1 Method Blank 0.125	9.34e3	66.3	NO
3	3	13C3-PFHxS	B8A0173-BLK1 Method Blank 0.125	2.85e3	86.3	NO
4	4	13C8-PFOA	B8A0173-BLK1 Method Blank 0.125	9.62e3	73.0	NO
5	5	13C9-PFNA	B8A0173-BLK1 Method Blank 0.125	1.10e4	75.7	NO
6	6	13C4-PFOS	B8A0173-BLK1 Method Blank 0.125	2.48e3	79.3	NO
7	7	13C6-PFDA	B8A0173-BLK1 Method Blank 0.125	7.56e3	64.6	NO
8	8	13C7-PFUdA	B8A0173-BLK1 Method Blank 0.125	1.07e4	74.5	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_19, Date: 30-Jan-2018, Time: 14:59:50, ID: B8A0173-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0173-BS1 OPR 0.125	7.64e3	85.2	NO
2	2	13C5-PFHxA	B8A0173-BS1 OPR 0.125	1.03e4	72.9	NO
3	3	13C3-PFHxS	B8A0173-BS1 OPR 0.125	2.66e3	80.5	NO
4	4	13C8-PFOA	B8A0173-BS1 OPR 0.125	9.67e3	73.4	NO
5	5	13C9-PFNA	B8A0173-BS1 OPR 0.125	1.07e4	73.2	NO
6	6	13C4-PFOS	B8A0173-BS1 OPR 0.125	2.69e3	86.0	NO
7	7	13C6-PFDA	B8A0173-BS1 OPR 0.125	7.91e3	67.6	NO
8	8	13C7-PFUdA	B8A0173-BS1 OPR 0.125	1.10e4	76.4	NO

Name: 180130M2_20, Date: 30-Jan-2018, Time: 15:11:16, ID: B8A0173-BS2 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0173-BS2 OPR 0.125	8.14e3	90.8	NO
2	2	13C5-PFHxA	B8A0173-BS2 OPR 0.125	1.02e4	72.3	NO
3	3	13C3-PFHxS	B8A0173-BS2 OPR 0.125	2.39e3	72.3	NO
4	4	13C8-PFOA	B8A0173-BS2 OPR 0.125	9.94e3	75.4	NO
5	5	13C9-PFNA	B8A0173-BS2 OPR 0.125	1.05e4	72.0	NO
6	6	13C4-PFOS	B8A0173-BS2 OPR 0.125	2.51e3	80.1	NO
7	7	13C6-PFDA	B8A0173-BS2 OPR 0.125	1.07e4	91.1	NO
8	8	13C7-PFUdA	B8A0173-BS2 OPR 0.125	1.20e4	83.2	NO

Name: 180130M2_21, Date: 30-Jan-2018, Time: 15:22:44, ID: B8A0173-BS3 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0173-BS3 OPR 0.125	7.46e3	83.3	NO
2	2	13C5-PFHxA	B8A0173-BS3 OPR 0.125	9.40e3	66.7	NO
3	3	13C3-PFHxS	B8A0173-BS3 OPR 0.125	2.60e3	78.6	NO
4	4	13C8-PFOA	B8A0173-BS3 OPR 0.125	9.98e3	75.7	NO
5	5	13C9-PFNA	B8A0173-BS3 OPR 0.125	1.08e4	73.8	NO
6	6	13C4-PFOS	B8A0173-BS3 OPR 0.125	2.63e3	84.2	NO
7	7	13C6-PFDA	B8A0173-BS3 OPR 0.125	9.19e3	78.5	NO
8	8	13C7-PFUdA	B8A0173-BS3 OPR 0.125	1.20e4	83.4	NO

Name: 180130M2_22, Date: 30-Jan-2018, Time: 15:34:10, ID: B8A0173-BS4 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0173-BS4 OPR 0.125	8.09e3	90.2	NO
2	2	13C5-PFHxA	B8A0173-BS4 OPR 0.125	9.84e3	69.8	NO
3	3	13C3-PFHxS	B8A0173-BS4 OPR 0.125	2.93e3	88.7	NO
4	4	13C8-PFOA	B8A0173-BS4 OPR 0.125	9.99e3	75.8	NO
5	5	13C9-PFNA	B8A0173-BS4 OPR 0.125	9.29e3	63.7	NO
6	6	13C4-PFOS	B8A0173-BS4 OPR 0.125	2.69e3	86.1	NO
7	7	13C6-PFDA	B8A0173-BS4 OPR 0.125	9.09e3	77.7	NO
8	8	13C7-PFUdA	B8A0173-BS4 OPR 0.125	1.12e4	77.4	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_23, Date: 30-Jan-2018, Time: 15:45:37, ID: B8A0070-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0070-BS1 OPR 0.25	1.08e4	120.5	NO
2	2	13C5-PFHxA	B8A0070-BS1 OPR 0.25	1.36e4	96.2	NO
3	3	13C3-PFHxS	B8A0070-BS1 OPR 0.25	3.19e3	96.6	NO
4	4	13C8-PFOA	B8A0070-BS1 OPR 0.25	1.15e4	87.4	NO
5	5	13C9-PFNA	B8A0070-BS1 OPR 0.25	1.47e4	100.8	NO
6	6	13C4-PFOS	B8A0070-BS1 OPR 0.25	3.29e3	105.2	NO
7	7	13C6-PFDA	B8A0070-BS1 OPR 0.25	1.04e4	89.1	NO
8	8	13C7-PFUdA	B8A0070-BS1 OPR 0.25	1.25e4	87.0	NO

Name: 180130M2_24, Date: 30-Jan-2018, Time: 15:57:07, ID: B8A0070-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0070-BLK1 Method Blank 0.25	9.95e3	110.9	NO
2	2	13C5-PFHxA	B8A0070-BLK1 Method Blank 0.25	1.20e4	85.2	NO
3	3	13C3-PFHxS	B8A0070-BLK1 Method Blank 0.25	3.22e3	97.3	NO
4	4	13C8-PFOA	B8A0070-BLK1 Method Blank 0.25	1.09e4	82.9	NO
5	5	13C9-PFNA	B8A0070-BLK1 Method Blank 0.25	1.33e4	91.5	NO
6	6	13C4-PFOS	B8A0070-BLK1 Method Blank 0.25	3.21e3	102.7	NO
7	7	13C6-PFDA	B8A0070-BLK1 Method Blank 0.25	1.20e4	102.7	NO
8	8	13C7-PFUdA	B8A0070-BLK1 Method Blank 0.25	1.29e4	89.8	NO

Name: 180130M2_25, Date: 30-Jan-2018, Time: 16:08:37, ID: 1800010-01 PFAS Ground Water & Surface Water Lot#1, Description: PFAS Ground Water & Surface Water Lot#122917C1

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800010-01 PFAS Ground Water_Surfa...	9.22e3	102.9	NO
2	2	13C5-PFHxA	1800010-01 PFAS Ground Water_Surfa...	1.07e4	75.8	NO
3	3	13C3-PFHxS	1800010-01 PFAS Ground Water_Surfa...	2.99e3	90.4	NO
4	4	13C8-PFOA	1800010-01 PFAS Ground Water_Surfa...	9.79e3	74.3	NO
5	5	13C9-PFNA	1800010-01 PFAS Ground Water_Surfa...	1.04e4	71.5	NO
6	6	13C4-PFOS	1800010-01 PFAS Ground Water_Surfa...	2.82e3	90.3	NO
7	7	13C6-PFDA	1800010-01 PFAS Ground Water_Surfa...	9.90e3	84.6	NO
8	8	13C7-PFUdA	1800010-01 PFAS Ground Water_Surfa...	1.39e4	96.2	NO

Name: 180130M2_26, Date: 30-Jan-2018, Time: 16:20:04, 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	5.80e0	0.0	YES
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA			NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_27, Date: 30-Jan-2018, Time: 16:31:30, ID: B8A0054-BS1 OPR 1, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0054-BS1 OPR 1	8.60e3	95.9	NO
2	2	13C5-PFHxA	B8A0054-BS1 OPR 1	1.04e4	74.0	NO
3	3	13C3-PFHxS	B8A0054-BS1 OPR 1	2.85e3	86.4	NO
4	4	13C8-PFOA	B8A0054-BS1 OPR 1	1.03e4	78.0	NO
5	5	13C9-PFNA	B8A0054-BS1 OPR 1	1.11e4	76.1	NO
6	6	13C4-PFOS	B8A0054-BS1 OPR 1	2.81e3	89.7	NO
7	7	13C6-PFDA	B8A0054-BS1 OPR 1	8.33e3	71.1	NO
8	8	13C7-PFUdA	B8A0054-BS1 OPR 1	8.99e3	62.4	NO

Name: 180130M2_28, Date: 30-Jan-2018, Time: 16:42:57, ID: B8A0054-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0054-BLK1 Method Blank 1	8.19e3	91.4	NO
2	2	13C5-PFHxA	B8A0054-BLK1 Method Blank 1	1.03e4	72.9	NO
3	3	13C3-PFHxS	B8A0054-BLK1 Method Blank 1	2.48e3	74.9	NO
4	4	13C8-PFOA	B8A0054-BLK1 Method Blank 1	9.28e3	70.4	NO
5	5	13C9-PFNA	B8A0054-BLK1 Method Blank 1	9.66e3	66.2	NO
6	6	13C4-PFOS	B8A0054-BLK1 Method Blank 1	2.65e3	84.7	NO
7	7	13C6-PFDA	B8A0054-BLK1 Method Blank 1	7.19e3	61.5	NO
8	8	13C7-PFUdA	B8A0054-BLK1 Method Blank 1	1.09e4	75.9	NO

Name: 180130M2_29, Date: 30-Jan-2018, Time: 16:54:27, ID: 1800011-01 PFAS in Soil Lot#122917C2 1, Description: PFAS in Soil Lot#122917C2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800011-01 PFAS in Soil Lot#122917C2...	9.75e3	108.8	NO
2	2	13C5-PFHxA	1800011-01 PFAS in Soil Lot#122917C2...	1.12e4	79.8	NO
3	3	13C3-PFHxS	1800011-01 PFAS in Soil Lot#122917C2...	2.92e3	88.3	NO
4	4	13C8-PFOA	1800011-01 PFAS in Soil Lot#122917C2...	1.17e4	88.4	NO
5	5	13C9-PFNA	1800011-01 PFAS in Soil Lot#122917C2...	1.39e4	95.1	NO
6	6	13C4-PFOS	1800011-01 PFAS in Soil Lot#122917C2...	2.61e3	83.4	NO
7	7	13C6-PFDA	1800011-01 PFAS in Soil Lot#122917C2...	9.27e3	79.2	NO
8	8	13C7-PFUdA	1800011-01 PFAS in Soil Lot#122917C2...	1.15e4	79.6	NO

Name: 180130M2_30, Date: 30-Jan-2018, Time: 17:05:57, ID: B8A0115-MS1 Matrix Spike 0.25673, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0115-MS1 Matrix Spike 0.25673	7.84e3	87.5	NO
2	2	13C5-PFHxA	B8A0115-MS1 Matrix Spike 0.25673	9.45e3	67.0	NO
3	3	13C3-PFHxS	B8A0115-MS1 Matrix Spike 0.25673	2.30e3	69.7	NO
4	4	13C8-PFOA	B8A0115-MS1 Matrix Spike 0.25673	8.26e3	62.6	NO
5	5	13C9-PFNA	B8A0115-MS1 Matrix Spike 0.25673	9.79e3	67.1	NO
6	6	13C4-PFOS	B8A0115-MS1 Matrix Spike 0.25673	2.73e3	87.4	NO
7	7	13C6-PFDA	B8A0115-MS1 Matrix Spike 0.25673	8.61e3	73.6	NO
8	8	13C7-PFUdA	B8A0115-MS1 Matrix Spike 0.25673	9.23e3	64.0	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_31, Date: 30-Jan-2018, Time: 17:17:24, ID: B8A0115-MSD1@10X Matrix Spike Dup 0.25042, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0115-MSD1@10X Matrix Spike Dup...	7.16e3	79.9	NO
2	2	13C5-PFHxA	B8A0115-MSD1@10X Matrix Spike Dup...	8.67e3	61.5	NO
3	3	13C3-PFHxS	B8A0115-MSD1@10X Matrix Spike Dup...	2.26e3	68.4	NO
4	4	13C8-PFOA	B8A0115-MSD1@10X Matrix Spike Dup...	8.36e3	63.4	NO
5	5	13C9-PFNA	B8A0115-MSD1@10X Matrix Spike Dup...	8.23e3	56.4	NO
6	6	13C4-PFOS	B8A0115-MSD1@10X Matrix Spike Dup...	2.29e3	73.2	NO
7	7	13C6-PFDA	B8A0115-MSD1@10X Matrix Spike Dup...	7.36e3	62.9	NO
8	8	13C7-PFUdA	B8A0115-MSD1@10X Matrix Spike Dup...	9.51e3	66.0	NO

Name: 180130M2_32, Date: 30-Jan-2018, Time: 17:28:54, ID: 1800121-02 EB01-20180115 0.25066, Description: EB01-20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-02 EB01-20180115 0.25066	8.25e3	92.0	NO
2	2	13C5-PFHxA	1800121-02 EB01-20180115 0.25066	1.16e4	82.2	NO
3	3	13C3-PFHxS	1800121-02 EB01-20180115 0.25066	2.48e3	75.1	NO
4	4	13C8-PFOA	1800121-02 EB01-20180115 0.25066	8.57e3	65.0	NO
5	5	13C9-PFNA	1800121-02 EB01-20180115 0.25066	1.11e4	76.1	NO
6	6	13C4-PFOS	1800121-02 EB01-20180115 0.25066	2.65e3	84.7	NO
7	7	13C6-PFDA	1800121-02 EB01-20180115 0.25066	8.04e3	68.7	NO
8	8	13C7-PFUdA	1800121-02 EB01-20180115 0.25066	1.10e4	76.6	NO

Name: 180130M2_33, Date: 30-Jan-2018, Time: 17:40:22, ID: 1800121-04 IRSite5-GW-05W06-20180115 0.26253, Description: IRSite5-GW-05W06-20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-04 IRSite5-GW-05W06-20180...	7.37e3	82.2	NO
2	2	13C5-PFHxA	1800121-04 IRSite5-GW-05W06-20180...	9.28e3	65.8	NO
3	3	13C3-PFHxS	1800121-04 IRSite5-GW-05W06-20180...	2.31e3	69.8	NO
4	4	13C8-PFOA	1800121-04 IRSite5-GW-05W06-20180...	8.36e3	63.4	NO
5	5	13C9-PFNA	1800121-04 IRSite5-GW-05W06-20180...	8.22e3	56.3	NO
6	6	13C4-PFOS	1800121-04 IRSite5-GW-05W06-20180...	2.09e3	66.8	NO
7	7	13C6-PFDA	1800121-04 IRSite5-GW-05W06-20180...	6.26e3	53.5	NO
8	8	13C7-PFUdA	1800121-04 IRSite5-GW-05W06-20180...	1.00e4	69.5	NO

Name: 180130M2_34, Date: 30-Jan-2018, Time: 17:51:52, ID: 1800121-06 IRSite5-GW-05W01-20180115 0.27608, Description: IRSite5-GW-05W01-20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-06 IRSite5-GW-05W01-20180...	7.56e3	84.3	NO
2	2	13C5-PFHxA	1800121-06 IRSite5-GW-05W01-20180...	9.44e3	66.9	NO
3	3	13C3-PFHxS	1800121-06 IRSite5-GW-05W01-20180...	2.76e3	83.6	NO
4	4	13C8-PFOA	1800121-06 IRSite5-GW-05W01-20180...	9.15e3	69.4	NO
5	5	13C9-PFNA	1800121-06 IRSite5-GW-05W01-20180...	1.09e4	74.7	NO
6	6	13C4-PFOS	1800121-06 IRSite5-GW-05W01-20180...	2.68e3	85.6	NO
7	7	13C6-PFDA	1800121-06 IRSite5-GW-05W01-20180...	8.73e3	74.6	NO
8	8	13C7-PFUdA	1800121-06 IRSite5-GW-05W01-20180...	9.28e3	64.4	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_35, Date: 30-Jan-2018, Time: 18:03:22, ID: 1800121-07 IRSite5-GW-05W03-20180115 0.25196, Description: IRSite5-GW-05W03-20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-07 IRSite5-GW-05W03-20180...	7.81e3	87.1	NO
2	2	13C5-PFHxA	1800121-07 IRSite5-GW-05W03-20180...	9.49e3	67.3	NO
3	3	13C3-PFHxS	1800121-07 IRSite5-GW-05W03-20180...	2.64e3	79.8	NO
4	4	13C8-PFOA	1800121-07 IRSite5-GW-05W03-20180...	1.03e4	78.3	NO
5	5	13C9-PFNA	1800121-07 IRSite5-GW-05W03-20180...	1.06e4	72.8	NO
6	6	13C4-PFOS	1800121-07 IRSite5-GW-05W03-20180...	2.75e3	88.0	NO
7	7	13C6-PFDA	1800121-07 IRSite5-GW-05W03-20180...	6.81e3	58.2	NO
8	8	13C7-PFUdA	1800121-07 IRSite5-GW-05W03-20180...	8.76e3	60.8	NO

Name: 180130M2_36, Date: 30-Jan-2018, Time: 18:14:48, ID: 1800121-08 UXOSite14-GW-DPW79A-20180115 0.24743, Description: UXOSite14-GW-DPW79A-20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-08 UXOSite14-GW-DPW79A-...	6.99e3	78.0	NO
2	2	13C5-PFHxA	1800121-08 UXOSite14-GW-DPW79A-...	9.49e3	67.3	NO
3	3	13C3-PFHxS	1800121-08 UXOSite14-GW-DPW79A-...	2.29e3	69.2	NO
4	4	13C8-PFOA	1800121-08 UXOSite14-GW-DPW79A-...	8.63e3	65.5	NO
5	5	13C9-PFNA	1800121-08 UXOSite14-GW-DPW79A-...	8.24e3	56.4	NO
6	6	13C4-PFOS	1800121-08 UXOSite14-GW-DPW79A-...	2.15e3	68.9	NO
7	7	13C6-PFDA	1800121-08 UXOSite14-GW-DPW79A-...	8.25e3	70.5	NO
8	8	13C7-PFUdA	1800121-08 UXOSite14-GW-DPW79A-...	9.90e3	68.7	NO

Name: 180130M2_37, Date: 30-Jan-2018, Time: 18:26:15, ID: 1800121-09 UXOSite14-GW-DPW78A-20180115 0.26471, Description: UXOSite14-GW-DPW78A-20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-09 UXOSite14-GW-DPW78A-...	7.69e3	85.8	NO
2	2	13C5-PFHxA	1800121-09 UXOSite14-GW-DPW78A-...	8.82e3	62.6	NO
3	3	13C3-PFHxS	1800121-09 UXOSite14-GW-DPW78A-...	2.68e3	80.9	NO
4	4	13C8-PFOA	1800121-09 UXOSite14-GW-DPW78A-...	1.00e4	75.8	NO
5	5	13C9-PFNA	1800121-09 UXOSite14-GW-DPW78A-...	9.33e3	63.9	NO
6	6	13C4-PFOS	1800121-09 UXOSite14-GW-DPW78A-...	2.77e3	88.4	NO
7	7	13C6-PFDA	1800121-09 UXOSite14-GW-DPW78A-...	9.23e3	78.9	NO
8	8	13C7-PFUdA	1800121-09 UXOSite14-GW-DPW78A-...	1.08e4	74.6	NO

Name: 180130M2_38, Date: 30-Jan-2018, Time: 18:37:42, ID: 1800121-10 UXOSite14-GW-DPW77A-20180115 0.26267, Description: UXOSite14-GW-DPW77A-20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-10 UXOSite14-GW-DPW77A-...	7.10e3	79.2	NO
2	2	13C5-PFHxA	1800121-10 UXOSite14-GW-DPW77A-...	8.82e3	62.6	NO
3	3	13C3-PFHxS	1800121-10 UXOSite14-GW-DPW77A-...	2.05e3	62.1	NO
4	4	13C8-PFOA	1800121-10 UXOSite14-GW-DPW77A-...	9.80e3	74.4	NO
5	5	13C9-PFNA	1800121-10 UXOSite14-GW-DPW77A-...	9.24e3	63.3	NO
6	6	13C4-PFOS	1800121-10 UXOSite14-GW-DPW77A-...	2.47e3	79.0	NO
7	7	13C6-PFDA	1800121-10 UXOSite14-GW-DPW77A-...	6.88e3	58.8	NO
8	8	13C7-PFUdA	1800121-10 UXOSite14-GW-DPW77A-...	9.20e3	63.8	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_39, Date: 30-Jan-2018, Time: 18:49:09, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA	5.35e0	0.0	YES
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-PFUdA	IPA			NO

Name: 180130M2_40, Date: 30-Jan-2018, Time: 19:00:38, ID: ST180130M2-11 PFC CS3 18A1909, Description: PFC CS3 18A1909

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-11 PFC CS3 18A1909	8.40e3	93.7	NO
2	2	13C5-PFHxA	ST180130M2-11 PFC CS3 18A1909	1.63e4	115.9	NO
3	3	13C3-PFHxS	ST180130M2-11 PFC CS3 18A1909	3.63e3	109.9	NO
4	4	13C8-PFOA	ST180130M2-11 PFC CS3 18A1909	1.41e4	107.3	NO
5	5	13C9-PFNA	ST180130M2-11 PFC CS3 18A1909	1.68e4	114.9	NO
6	6	13C4-PFOS	ST180130M2-11 PFC CS3 18A1909	3.58e3	114.5	NO
7	7	13C6-PFDA	ST180130M2-11 PFC CS3 18A1909	1.48e4	126.1	NO
8	8	13C7-PFUdA	ST180130M2-11 PFC CS3 18A1909	1.52e4	105.2	NO

Name: 180130M2_41, Date: 30-Jan-2018, Time: 19:12:08, 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-PFUdA	IPA			NO

Name: 180130M2_42, Date: 30-Jan-2018, Time: 19:23:37, ID: 1800121-11 IRSite1-GW-01W48A -20180115 0.25842, Description: IRSite1-GW-01W48A -20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-11 IRSite1-GW-01W48A -2018...	6.97e3	77.8	NO
2	2	13C5-PFHxA	1800121-11 IRSite1-GW-01W48A -2018...	8.99e3	63.8	NO
3	3	13C3-PFHxS	1800121-11 IRSite1-GW-01W48A -2018...	2.11e3	63.8	NO
4	4	13C8-PFOA	1800121-11 IRSite1-GW-01W48A -2018...	8.49e3	64.4	NO
5	5	13C9-PFNA	1800121-11 IRSite1-GW-01W48A -2018...	8.25e3	56.5	NO
6	6	13C4-PFOS	1800121-11 IRSite1-GW-01W48A -2018...	1.92e3	61.5	NO
7	7	13C6-PFDA	1800121-11 IRSite1-GW-01W48A -2018...	7.71e3	65.9	NO
8	8	13C7-PFUdA	1800121-11 IRSite1-GW-01W48A -2018...	9.50e3	65.9	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_43, Date: 30-Jan-2018, Time: 19:35:04, ID: 1800121-12 IRSite1-GW-01W49A- 20180115 0.26214, Description: IRSite1-GW-01W49A- 20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-12 IRSite1-GW-01W49A- 201...	6.50e3	72.5	NO
2	2	13C5-PFHxA	1800121-12 IRSite1-GW-01W49A- 201...	9.23e3	65.5	NO
3	3	13C3-PFHxS	1800121-12 IRSite1-GW-01W49A- 201...	2.11e3	63.7	NO
4	4	13C8-PFOA	1800121-12 IRSite1-GW-01W49A- 201...	8.87e3	67.3	NO
5	5	13C9-PFNA	1800121-12 IRSite1-GW-01W49A- 201...	8.75e3	60.0	NO
6	6	13C4-PFOS	1800121-12 IRSite1-GW-01W49A- 201...	2.22e3	71.0	NO
7	7	13C6-PFDA	1800121-12 IRSite1-GW-01W49A- 201...	6.06e3	51.8	NO
8	8	13C7-PFUdA	1800121-12 IRSite1-GW-01W49A- 201...	8.15e3	56.6	NO

Name: 180130M2_44, Date: 30-Jan-2018, Time: 19:46:34, ID: 1800121-13 IRSite1-GW-01W13A- 20180115 0.24739, Description: IRSite1-GW-01W13A- 20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-13 IRSite1-GW-01W13A- 201...	6.61e3	73.7	NO
2	2	13C5-PFHxA	1800121-13 IRSite1-GW-01W13A- 201...	9.23e3	65.5	NO
3	3	13C3-PFHxS	1800121-13 IRSite1-GW-01W13A- 201...	2.47e3	74.9	NO
4	4	13C8-PFOA	1800121-13 IRSite1-GW-01W13A- 201...	9.97e3	75.7	NO
5	5	13C9-PFNA	1800121-13 IRSite1-GW-01W13A- 201...	8.70e3	59.6	NO
6	6	13C4-PFOS	1800121-13 IRSite1-GW-01W13A- 201...	2.25e3	71.8	NO
7	7	13C6-PFDA	1800121-13 IRSite1-GW-01W13A- 201...	7.94e3	67.8	NO
8	8	13C7-PFUdA	1800121-13 IRSite1-GW-01W13A- 201...	1.13e4	78.4	NO

Name: 180130M2_45, Date: 30-Jan-2018, Time: 19:58:03, ID: 1800121-14 DUP01-20180115 0.26578, Description: DUP01-20180115

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800121-14 DUP01-20180115 0.26578	7.15e3	79.8	NO
2	2	13C5-PFHxA	1800121-14 DUP01-20180115 0.26578	9.31e3	66.0	NO
3	3	13C3-PFHxS	1800121-14 DUP01-20180115 0.26578	2.57e3	77.8	NO
4	4	13C8-PFOA	1800121-14 DUP01-20180115 0.26578	9.39e3	71.2	NO
5	5	13C9-PFNA	1800121-14 DUP01-20180115 0.26578	8.58e3	58.8	NO
6	6	13C4-PFOS	1800121-14 DUP01-20180115 0.26578	2.76e3	88.3	NO
7	7	13C6-PFDA	1800121-14 DUP01-20180115 0.26578	8.79e3	75.1	NO
8	8	13C7-PFUdA	1800121-14 DUP01-20180115 0.26578	1.17e4	80.9	NO

Name: 180130M2_46, Date: 30-Jan-2018, Time: 20:09:34, ID: 1800132-14 PITTS-EB-011118-1400 0.12081, Description: PITTS-EB-011118-1400

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800132-14 PITTS-EB-011118-1400 0.1..	7.07e3	78.8	NO
2	2	13C5-PFHxA	1800132-14 PITTS-EB-011118-1400 0.1..	9.49e3	67.3	NO
3	3	13C3-PFHxS	1800132-14 PITTS-EB-011118-1400 0.1..	2.45e3	74.0	NO
4	4	13C8-PFOA	1800132-14 PITTS-EB-011118-1400 0.1..	9.59e3	72.7	NO
5	5	13C9-PFNA	1800132-14 PITTS-EB-011118-1400 0.1..	1.02e4	69.6	NO
6	6	13C4-PFOS	1800132-14 PITTS-EB-011118-1400 0.1..	2.41e3	77.1	NO
7	7	13C6-PFDA	1800132-14 PITTS-EB-011118-1400 0.1..	7.28e3	62.2	NO
8	8	13C7-PFUdA	1800132-14 PITTS-EB-011118-1400 0.1..	1.10e4	76.3	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_47, Date: 30-Jan-2018, Time: 20:21:00, ID: B8A0140-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0140-BS1 OPR 0.25	8.56e3	95.5	NO
2	2	13C5-PFHxA	B8A0140-BS1 OPR 0.25	9.85e3	69.9	NO
3	3	13C3-PFHxS	B8A0140-BS1 OPR 0.25	2.40e3	72.7	NO
4	4	13C8-PFOA	B8A0140-BS1 OPR 0.25	1.03e4	77.9	NO
5	5	13C9-PFNA	B8A0140-BS1 OPR 0.25	9.43e3	64.6	NO
6	6	13C4-PFOS	B8A0140-BS1 OPR 0.25	2.27e3	72.6	NO
7	7	13C6-PFDA	B8A0140-BS1 OPR 0.25	9.01e3	77.0	NO
8	8	13C7-PFUdA	B8A0140-BS1 OPR 0.25	8.41e3	58.3	NO

Name: 180130M2_48, Date: 30-Jan-2018, Time: 20:32:30, ID: B8A0140-BSD1 LCSD 0.25, Description: LCSD

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0140-BSD1 LCSD 0.25	8.62e3	96.1	NO
2	2	13C5-PFHxA	B8A0140-BSD1 LCSD 0.25	9.56e3	67.8	NO
3	3	13C3-PFHxS	B8A0140-BSD1 LCSD 0.25	2.36e3	71.5	NO
4	4	13C8-PFOA	B8A0140-BSD1 LCSD 0.25	9.91e3	75.2	NO
5	5	13C9-PFNA	B8A0140-BSD1 LCSD 0.25	1.09e4	74.7	NO
6	6	13C4-PFOS	B8A0140-BSD1 LCSD 0.25	2.34e3	74.9	NO
7	7	13C6-PFDA	B8A0140-BSD1 LCSD 0.25	9.45e3	80.7	NO
8	8	13C7-PFUdA	B8A0140-BSD1 LCSD 0.25	1.18e4	82.1	NO

Name: 180130M2_49, Date: 30-Jan-2018, Time: 20:44:00, ID: B8A0140-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0140-BLK1 Method Blank 0.25	9.23e3	102.9	NO
2	2	13C5-PFHxA	B8A0140-BLK1 Method Blank 0.25	1.09e4	77.0	NO
3	3	13C3-PFHxS	B8A0140-BLK1 Method Blank 0.25	2.78e3	84.0	NO
4	4	13C8-PFOA	B8A0140-BLK1 Method Blank 0.25	1.15e4	87.3	NO
5	5	13C9-PFNA	B8A0140-BLK1 Method Blank 0.25	1.01e4	69.3	NO
6	6	13C4-PFOS	B8A0140-BLK1 Method Blank 0.25	2.24e3	71.6	NO
7	7	13C6-PFDA	B8A0140-BLK1 Method Blank 0.25	1.09e4	92.9	NO
8	8	13C7-PFUdA	B8A0140-BLK1 Method Blank 0.25	1.42e4	98.2	NO

Name: 180130M2_50, Date: 30-Jan-2018, Time: 20:55:29, ID: 1800127-01 EB02-20180116 0.27074, Description: EB02-20180116

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800127-01 EB02-20180116 0.27074	8.36e3	93.2	NO
2	2	13C5-PFHxA	1800127-01 EB02-20180116 0.27074	1.09e4	77.1	NO
3	3	13C3-PFHxS	1800127-01 EB02-20180116 0.27074	2.30e3	69.6	NO
4	4	13C8-PFOA	1800127-01 EB02-20180116 0.27074	9.27e3	70.3	NO
5	5	13C9-PFNA	1800127-01 EB02-20180116 0.27074	1.15e4	78.7	NO
6	6	13C4-PFOS	1800127-01 EB02-20180116 0.27074	2.59e3	82.8	NO
7	7	13C6-PFDA	1800127-01 EB02-20180116 0.27074	8.49e3	72.5	NO
8	8	13C7-PFUdA	1800127-01 EB02-20180116 0.27074	1.30e4	90.4	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_51, Date: 30-Jan-2018, Time: 21:06:58, ID: 1800127-02 IRSite1-GW-01W53A-20180116 0.26369, Description: IRSite1-GW-01W53A-20180116

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800127-02 IRSite1-GW-01W53A-2018...	8.16e3	91.0	NO
2	2	13C5-PFHxA	1800127-02 IRSite1-GW-01W53A-2018...	9.39e3	66.6	NO
3	3	13C3-PFHxS	1800127-02 IRSite1-GW-01W53A-2018...	2.46e3	74.3	NO
4	4	13C8-PFOA	1800127-02 IRSite1-GW-01W53A-2018...	1.06e4	80.5	NO
5	5	13C9-PFNA	1800127-02 IRSite1-GW-01W53A-2018...	1.03e4	70.6	NO
6	6	13C4-PFOS	1800127-02 IRSite1-GW-01W53A-2018...	2.63e3	84.0	NO
7	7	13C6-PFDA	1800127-02 IRSite1-GW-01W53A-2018...	8.46e3	72.3	NO
8	8	13C7-PFUdA	1800127-02 IRSite1-GW-01W53A-2018...	1.05e4	72.6	NO

Name: 180130M2_52, Date: 30-Jan-2018, Time: 21:18:25, ID: 1800127-03 IRSite1-GW-MW80A-20180116 0.23471, Description: IRSite1-GW-MW80A-20180116

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800127-03 IRSite1-GW-MW80A-2018...	6.92e3	77.2	NO
2	2	13C5-PFHxA	1800127-03 IRSite1-GW-MW80A-2018...	8.20e3	58.2	NO
3	3	13C3-PFHxS	1800127-03 IRSite1-GW-MW80A-2018...	2.50e3	75.6	NO
4	4	13C8-PFOA	1800127-03 IRSite1-GW-MW80A-2018...	9.14e3	69.3	NO
5	5	13C9-PFNA	1800127-03 IRSite1-GW-MW80A-2018...	1.08e4	74.3	NO
6	6	13C4-PFOS	1800127-03 IRSite1-GW-MW80A-2018...	2.48e3	79.4	NO
7	7	13C6-PFDA	1800127-03 IRSite1-GW-MW80A-2018...	8.96e3	76.6	NO
8	8	13C7-PFUdA	1800127-03 IRSite1-GW-MW80A-2018...	1.29e4	89.3	NO

Name: 180130M2_53, Date: 30-Jan-2018, Time: 21:29:51, ID: 1800127-04 IRSite1-GW-01W28B-20180116 0.27609, Description: IRSite1-GW-01W28B-20180116

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800127-04 IRSite1-GW-01W28B-2018...	8.53e3	95.1	NO
2	2	13C5-PFHxA	1800127-04 IRSite1-GW-01W28B-2018...	1.05e4	74.3	NO
3	3	13C3-PFHxS	1800127-04 IRSite1-GW-01W28B-2018...	2.75e3	83.3	NO
4	4	13C8-PFOA	1800127-04 IRSite1-GW-01W28B-2018...	1.02e4	77.5	NO
5	5	13C9-PFNA	1800127-04 IRSite1-GW-01W28B-2018...	9.44e3	64.7	NO
6	6	13C4-PFOS	1800127-04 IRSite1-GW-01W28B-2018...	2.82e3	90.1	NO
7	7	13C6-PFDA	1800127-04 IRSite1-GW-01W28B-2018...	8.48e3	72.5	NO
8	8	13C7-PFUdA	1800127-04 IRSite1-GW-01W28B-2018...	8.81e3	61.1	NO

Name: 180130M2_54, Date: 30-Jan-2018, Time: 21:41:18, ID: 1800127-05 IRSite1-GW-01W38AR-20180116 0.26613, Description: IRSite1-GW-01W38AR-20180116

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800127-05 IRSite1-GW-01W38AR-20...	7.68e3	85.6	NO
2	2	13C5-PFHxA	1800127-05 IRSite1-GW-01W38AR-20...	9.09e3	64.5	NO
3	3	13C3-PFHxS	1800127-05 IRSite1-GW-01W38AR-20...	2.90e3	87.9	NO
4	4	13C8-PFOA	1800127-05 IRSite1-GW-01W38AR-20...	1.06e4	80.5	NO
5	5	13C9-PFNA	1800127-05 IRSite1-GW-01W38AR-20...	1.32e4	90.3	NO
6	6	13C4-PFOS	1800127-05 IRSite1-GW-01W38AR-20...	2.47e3	78.8	NO
7	7	13C6-PFDA	1800127-05 IRSite1-GW-01W38AR-20...	9.06e3	77.4	NO
8	8	13C7-PFUdA	1800127-05 IRSite1-GW-01W38AR-20...	9.40e3	65.2	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_55, Date: 30-Jan-2018, Time: 21:52:45, ID: 1800127-06 IRSite1-GW-MW86A-20180116 0.26659, Description: IRSite1-GW-MW86A-20180116

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800127-06 IRSite1-GW-MW86A-2018...	7.60e3	84.8	NO
2	2	13C5-PFHxA	1800127-06 IRSite1-GW-MW86A-2018...	1.04e4	74.0	NO
3	3	13C3-PFHxS	1800127-06 IRSite1-GW-MW86A-2018...	2.54e3	77.0	NO
4	4	13C8-PFOA	1800127-06 IRSite1-GW-MW86A-2018...	1.08e4	81.6	NO
5	5	13C9-PFNA	1800127-06 IRSite1-GW-MW86A-2018...	9.52e3	65.2	NO
6	6	13C4-PFOS	1800127-06 IRSite1-GW-MW86A-2018...	2.40e3	76.6	NO
7	7	13C6-PFDA	1800127-06 IRSite1-GW-MW86A-2018...	8.45e3	72.2	NO
8	8	13C7-PFUdA	1800127-06 IRSite1-GW-MW86A-2018...	1.05e4	72.8	NO

Name: 180130M2_56, Date: 30-Jan-2018, Time: 22:04:12, ID: 1800127-07 IRSite1-GW-MW85A-20180116 0.23848, Description: IRSite1-GW-MW85A-20180116

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800127-07 IRSite1-GW-MW85A-2018...	6.97e3	77.8	NO
2	2	13C5-PFHxA	1800127-07 IRSite1-GW-MW85A-2018...	9.68e3	68.6	NO
3	3	13C3-PFHxS	1800127-07 IRSite1-GW-MW85A-2018...	2.30e3	69.6	NO
4	4	13C8-PFOA	1800127-07 IRSite1-GW-MW85A-2018...	9.86e3	74.8	NO
5	5	13C9-PFNA	1800127-07 IRSite1-GW-MW85A-2018...	1.02e4	69.9	NO
6	6	13C4-PFOS	1800127-07 IRSite1-GW-MW85A-2018...	2.51e3	80.3	NO
7	7	13C6-PFDA	1800127-07 IRSite1-GW-MW85A-2018...	8.03e3	68.6	NO
8	8	13C7-PFUdA	1800127-07 IRSite1-GW-MW85A-2018...	1.07e4	74.5	NO

Name: 180130M2_57, Date: 30-Jan-2018, Time: 22:15:39, ID: 1800127-08 DUP02-20180116 0.25425, Description: DUP02-20180116

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800127-08 DUP02-20180116 0.25425	7.69e3	85.8	NO
2	2	13C5-PFHxA	1800127-08 DUP02-20180116 0.25425	1.00e4	71.1	NO
3	3	13C3-PFHxS	1800127-08 DUP02-20180116 0.25425	2.56e3	77.4	NO
4	4	13C8-PFOA	1800127-08 DUP02-20180116 0.25425	9.61e3	72.9	NO
5	5	13C9-PFNA	1800127-08 DUP02-20180116 0.25425	1.06e4	72.9	NO
6	6	13C4-PFOS	1800127-08 DUP02-20180116 0.25425	2.56e3	82.0	NO
7	7	13C6-PFDA	1800127-08 DUP02-20180116 0.25425	7.32e3	62.6	NO
8	8	13C7-PFUdA	1800127-08 DUP02-20180116 0.25425	1.17e4	81.2	NO

Name: 180130M2_58, Date: 30-Jan-2018, Time: 22:27:06, ID: 1800127-09 IRSite1-GW-MW82A-20180116 0.26201, Description: IRSite1-GW-MW82A-20180116

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800127-09 IRSite1-GW-MW82A-2018...	7.72e3	86.1	NO
2	2	13C5-PFHxA	1800127-09 IRSite1-GW-MW82A-2018...	9.55e3	67.7	NO
3	3	13C3-PFHxS	1800127-09 IRSite1-GW-MW82A-2018...	2.44e3	73.7	NO
4	4	13C8-PFOA	1800127-09 IRSite1-GW-MW82A-2018...	8.23e3	62.4	NO
5	5	13C9-PFNA	1800127-09 IRSite1-GW-MW82A-2018...	9.22e3	63.2	NO
6	6	13C4-PFOS	1800127-09 IRSite1-GW-MW82A-2018...	2.28e3	72.9	NO
7	7	13C6-PFDA	1800127-09 IRSite1-GW-MW82A-2018...	8.90e3	76.0	NO
8	8	13C7-PFUdA	1800127-09 IRSite1-GW-MW82A-2018...	1.07e4	74.4	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_59, Date: 30-Jan-2018, Time: 22:38:33, 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	7.32e0	0.1	YES
5	5	13C9-PFNA	IPA	7.25e0	0.0	YES
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA			NO

Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-12 PFC CS0 18A1906	9.88e3	110.2	NO
2	2	13C5-PFHxA	ST180130M2-12 PFC CS0 18A1906	1.52e4	108.0	NO
3	3	13C3-PFHxS	ST180130M2-12 PFC CS0 18A1906	3.89e3	117.7	NO
4	4	13C8-PFOA	ST180130M2-12 PFC CS0 18A1906	1.39e4	105.1	NO
5	5	13C9-PFNA	ST180130M2-12 PFC CS0 18A1906	1.43e4	97.9	NO
6	6	13C4-PFOS	ST180130M2-12 PFC CS0 18A1906	4.10e3	131.0	NO
7	7	13C6-PFDA	ST180130M2-12 PFC CS0 18A1906	1.44e4	122.9	NO
8	8	13C7-PFUdA	ST180130M2-12 PFC CS0 18A1906	1.62e4	112.2	NO

Name: 180130M2_61, Date: 30-Jan-2018, Time: 23:01:30, 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-PFUdA	IPA			NO

Name: 180130M2_62, Date: 30-Jan-2018, Time: 23:13:00, ID: 1800139-01 LH-TAP 0.27467, Description: LH-TAP

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800139-01 LH-TAP 0.27467	8.36e3	93.3	NO
2	2	13C5-PFHxA	1800139-01 LH-TAP 0.27467	1.04e4	74.0	NO
3	3	13C3-PFHxS	1800139-01 LH-TAP 0.27467	2.36e3	71.4	NO
4	4	13C8-PFOA	1800139-01 LH-TAP 0.27467	8.15e3	61.8	NO
5	5	13C9-PFNA	1800139-01 LH-TAP 0.27467	1.01e4	69.0	NO
6	6	13C4-PFOS	1800139-01 LH-TAP 0.27467	2.47e3	78.9	NO
7	7	13C6-PFDA	1800139-01 LH-TAP 0.27467	8.03e3	68.6	NO
8	8	13C7-PFUdA	1800139-01 LH-TAP 0.27467	1.05e4	72.5	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_63, Date: 30-Jan-2018, Time: 23:24:27, ID: 1800139-02 LH-RAW 0.27394, Description: LH-RAW

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800139-02 LH-RAW 0.27394	8.80e3	98.1	NO
2	2	13C5-PFHxA	1800139-02 LH-RAW 0.27394	1.02e4	72.2	NO
3	3	13C3-PFHxS	1800139-02 LH-RAW 0.27394	2.64e3	79.7	NO
4	4	13C8-PFOA	1800139-02 LH-RAW 0.27394	1.07e4	80.9	NO
5	5	13C9-PFNA	1800139-02 LH-RAW 0.27394	1.01e4	69.2	NO
6	6	13C4-PFOS	1800139-02 LH-RAW 0.27394	2.28e3	72.9	NO
7	7	13C6-PFDA	1800139-02 LH-RAW 0.27394	7.65e3	65.4	NO
8	8	13C7-PFUdA	1800139-02 LH-RAW 0.27394	1.01e4	70.3	NO

Name: 180130M2_64, Date: 30-Jan-2018, Time: 23:35:57, ID: 1701953-01@10X CV-Dup09-20171213 0.2568, Description: CV-Dup09-20171213

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701953-01@10X CV-Dup09-20171213...	8.89e2	9.9	YES
2	2	13C5-PFHxA	1701953-01@10X CV-Dup09-20171213...	1.12e3	7.9	YES
3	3	13C3-PFHxS	1701953-01@10X CV-Dup09-20171213...	2.45e2	7.4	YES
4	4	13C8-PFOA	1701953-01@10X CV-Dup09-20171213...	1.08e3	8.2	YES
5	5	13C9-PFNA	1701953-01@10X CV-Dup09-20171213...	9.59e2	6.6	YES
6	6	13C4-PFOS	1701953-01@10X CV-Dup09-20171213...	2.78e2	8.9	YES
7	7	13C6-PFDA	1701953-01@10X CV-Dup09-20171213...	9.26e2	7.9	YES
8	8	13C7-PFUdA	1701953-01@10X CV-Dup09-20171213...	1.20e3	8.3	YES

Name: 180130M2_65, Date: 30-Jan-2018, Time: 23:47:26, ID: 1701953-10@10X SA-PZ118S-20171213 0.23505, Description: SA-PZ118S-20171213

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701953-10@10X SA-PZ118S-201712...	9.10e2	10.2	YES
2	2	13C5-PFHxA	1701953-10@10X SA-PZ118S-201712...	1.19e3	8.4	YES
3	3	13C3-PFHxS	1701953-10@10X SA-PZ118S-201712...	2.92e2	8.8	YES
4	4	13C8-PFOA	1701953-10@10X SA-PZ118S-201712...	1.07e3	8.1	YES
5	5	13C9-PFNA	1701953-10@10X SA-PZ118S-201712...	1.00e3	6.9	YES
6	6	13C4-PFOS	1701953-10@10X SA-PZ118S-201712...	2.02e2	6.4	YES
7	7	13C6-PFDA	1701953-10@10X SA-PZ118S-201712...	9.16e2	7.8	YES
8	8	13C7-PFUdA	1701953-10@10X SA-PZ118S-201712...	1.09e3	7.6	YES

Name: 180130M2_66, Date: 30-Jan-2018, Time: 23:58:55, 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-PFUdA	IPA			NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_67, Date: 31-Jan-2018, Time: 00:10:22, ID: B7L0136-BLK1 Method Blank 0.0075, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0136-BLK1 Method Blank 0.0075	7.32e3	81.6	NO
2	2	13C5-PFHxA	B7L0136-BLK1 Method Blank 0.0075	9.76e3	69.2	NO
3	3	13C3-PFHxS	B7L0136-BLK1 Method Blank 0.0075	2.40e3	72.6	NO
4	4	13C8-PFOA	B7L0136-BLK1 Method Blank 0.0075	1.01e4	76.3	NO
5	5	13C9-PFNA	B7L0136-BLK1 Method Blank 0.0075	9.78e3	67.1	NO
6	6	13C4-PFOS	B7L0136-BLK1 Method Blank 0.0075	2.20e3	70.3	NO
7	7	13C6-PFDA	B7L0136-BLK1 Method Blank 0.0075	6.51e3	55.7	NO
8	8	13C7-PFUdA	B7L0136-BLK1 Method Blank 0.0075	1.10e4	76.1	NO

Name: 180130M2_68, Date: 31-Jan-2018, Time: 00:21:50, ID: B7L0136-BS1 OPR 0.0075, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0136-BS1 OPR 0.0075	7.80e3	87.0	NO
2	2	13C5-PFHxA	B7L0136-BS1 OPR 0.0075	9.62e3	68.2	NO
3	3	13C3-PFHxS	B7L0136-BS1 OPR 0.0075	2.29e3	69.3	NO
4	4	13C8-PFOA	B7L0136-BS1 OPR 0.0075	8.11e3	61.5	NO
5	5	13C9-PFNA	B7L0136-BS1 OPR 0.0075	9.72e3	66.6	NO
6	6	13C4-PFOS	B7L0136-BS1 OPR 0.0075	2.41e3	76.9	NO
7	7	13C6-PFDA	B7L0136-BS1 OPR 0.0075	7.64e3	65.3	NO
8	8	13C7-PFUdA	B7L0136-BS1 OPR 0.0075	1.00e4	69.6	NO

Name: 180130M2_69, Date: 31-Jan-2018, Time: 00:33:19, ID: B7L0136-BS2 OPR 0.0075, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0136-BS2 OPR 0.0075	8.04e3	89.7	NO
2	2	13C5-PFHxA	B7L0136-BS2 OPR 0.0075	9.31e3	66.0	NO
3	3	13C3-PFHxS	B7L0136-BS2 OPR 0.0075	2.23e3	67.5	NO
4	4	13C8-PFOA	B7L0136-BS2 OPR 0.0075	8.80e3	66.7	NO
5	5	13C9-PFNA	B7L0136-BS2 OPR 0.0075	9.41e3	64.5	NO
6	6	13C4-PFOS	B7L0136-BS2 OPR 0.0075	2.46e3	78.6	NO
7	7	13C6-PFDA	B7L0136-BS2 OPR 0.0075	8.79e3	75.1	NO
8	8	13C7-PFUdA	B7L0136-BS2 OPR 0.0075	1.16e4	80.2	NO

Name: 180130M2_70, Date: 31-Jan-2018, Time: 00:44:49, ID: B7L0136-BS3 OPR 0.0075, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0136-BS3 OPR 0.0075	8.54e3	95.2	NO
2	2	13C5-PFHxA	B7L0136-BS3 OPR 0.0075	8.83e3	62.6	NO
3	3	13C3-PFHxS	B7L0136-BS3 OPR 0.0075	2.59e3	78.3	NO
4	4	13C8-PFOA	B7L0136-BS3 OPR 0.0075	1.11e4	84.1	NO
5	5	13C9-PFNA	B7L0136-BS3 OPR 0.0075	1.15e4	78.6	NO
6	6	13C4-PFOS	B7L0136-BS3 OPR 0.0075	2.20e3	70.2	NO
7	7	13C6-PFDA	B7L0136-BS3 OPR 0.0075	8.25e3	70.5	NO
8	8	13C7-PFUdA	B7L0136-BS3 OPR 0.0075	1.14e4	79.4	NO

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_71, Date: 31-Jan-2018, Time: 00:56:18, ID: B7L0136-BS4 OPR 0.0075, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0136-BS4 OPR 0.0075	8.62e3	96.1	NO
2	2	13C5-PFHxA	B7L0136-BS4 OPR 0.0075	1.06e4	74.9	NO
3	3	13C3-PFHxS	B7L0136-BS4 OPR 0.0075	2.43e3	73.5	NO
4	4	13C8-PFOA	B7L0136-BS4 OPR 0.0075	8.33e3	63.2	NO
5	5	13C9-PFNA	B7L0136-BS4 OPR 0.0075	9.73e3	66.7	NO
6	6	13C4-PFOS	B7L0136-BS4 OPR 0.0075	2.47e3	79.0	NO
7	7	13C6-PFDA	B7L0136-BS4 OPR 0.0075	1.05e4	89.8	NO
8	8	13C7-PFUdA	B7L0136-BS4 OPR 0.0075	1.24e4	86.2	NO

Name: 180130M2_72, Date: 31-Jan-2018, Time: 01:07:47, ID: B7L0140-BS1 OPR 0.0075, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0140-BS1 OPR 0.0075	8.11e3	90.4	NO
2	2	13C5-PFHxA	B7L0140-BS1 OPR 0.0075	1.01e4	71.9	NO
3	3	13C3-PFHxS	B7L0140-BS1 OPR 0.0075	2.67e3	80.6	NO
4	4	13C8-PFOA	B7L0140-BS1 OPR 0.0075	8.48e3	64.3	NO
5	5	13C9-PFNA	B7L0140-BS1 OPR 0.0075	1.06e4	72.4	NO
6	6	13C4-PFOS	B7L0140-BS1 OPR 0.0075	2.55e3	81.5	NO
7	7	13C6-PFDA	B7L0140-BS1 OPR 0.0075	7.21e3	61.6	NO
8	8	13C7-PFUdA	B7L0140-BS1 OPR 0.0075	1.09e4	75.9	NO

Name: 180130M2_73, Date: 31-Jan-2018, Time: 01:19:13, ID: B7L0140-BSD1 LCSD 0.0075, Description: LCSD

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0140-BSD1 LCSD 0.0075	8.14e3	90.8	NO
2	2	13C5-PFHxA	B7L0140-BSD1 LCSD 0.0075	1.02e4	72.4	NO
3	3	13C3-PFHxS	B7L0140-BSD1 LCSD 0.0075	2.54e3	76.9	NO
4	4	13C8-PFOA	B7L0140-BSD1 LCSD 0.0075	9.70e3	73.6	NO
5	5	13C9-PFNA	B7L0140-BSD1 LCSD 0.0075	1.10e4	75.2	NO
6	6	13C4-PFOS	B7L0140-BSD1 LCSD 0.0075	2.68e3	85.8	NO
7	7	13C6-PFDA	B7L0140-BSD1 LCSD 0.0075	9.74e3	83.2	NO
8	8	13C7-PFUdA	B7L0140-BSD1 LCSD 0.0075	1.04e4	72.1	NO

Name: 180130M2_74, Date: 31-Jan-2018, Time: 01:30:42, ID: B7L0140-BLK1 Method Blank 0.0075, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B7L0140-BLK1 Method Blank 0.0075	7.68e3	85.7	NO
2	2	13C5-PFHxA	B7L0140-BLK1 Method Blank 0.0075	9.10e3	64.5	NO
3	3	13C3-PFHxS	B7L0140-BLK1 Method Blank 0.0075	2.67e3	80.9	NO
4	4	13C8-PFOA	B7L0140-BLK1 Method Blank 0.0075	8.42e3	63.9	NO
5	5	13C9-PFNA	B7L0140-BLK1 Method Blank 0.0075	9.17e3	62.8	NO
6	6	13C4-PFOS	B7L0140-BLK1 Method Blank 0.0075	2.40e3	76.9	NO
7	7	13C6-PFDA	B7L0140-BLK1 Method Blank 0.0075	1.01e4	86.7	NO
8	8	13C7-PFUdA	B7L0140-BLK1 Method Blank 0.0075	1.08e4	75.1	NO

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_75, Date: 31-Jan-2018, Time: 01:42:11, ID: 1701882-02RE1 WI-A06-6-I-01-1217-TOP 0.0075, Description: WI-A06-6-I-01-1217-TOP

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701882-02RE1 WI-A06-6-I-01-1217-T...	7.80e3	87.0	NO
2	2	13C5-PFHxA	1701882-02RE1 WI-A06-6-I-01-1217-T...	9.18e3	65.1	NO
3	3	13C3-PFHxS	1701882-02RE1 WI-A06-6-I-01-1217-T...	2.44e3	73.7	NO
4	4	13C8-PFOA	1701882-02RE1 WI-A06-6-I-01-1217-T...	1.01e4	76.4	NO
5	5	13C9-PFNA	1701882-02RE1 WI-A06-6-I-01-1217-T...	1.07e4	73.5	NO
6	6	13C4-PFOS	1701882-02RE1 WI-A06-6-I-01-1217-T...	2.54e3	81.3	NO
7	7	13C6-PFDA	1701882-02RE1 WI-A06-6-I-01-1217-T...	8.41e3	71.9	NO
8	8	13C7-PFUdA	1701882-02RE1 WI-A06-6-I-01-1217-T...	1.12e4	77.4	NO

Name: 180130M2_76, Date: 31-Jan-2018, Time: 01:53:42, ID: 1701882-04RE1 WI-A06-EB01-120517-TOP 0.0075, Description: WI-A06-EB01-120517-TOP

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701882-04RE1 WI-A06-EB01-120517-...	8.76e3	97.7	NO
2	2	13C5-PFHxA	1701882-04RE1 WI-A06-EB01-120517-...	1.02e4	72.1	NO
3	3	13C3-PFHxS	1701882-04RE1 WI-A06-EB01-120517-...	2.99e3	90.4	NO
4	4	13C8-PFOA	1701882-04RE1 WI-A06-EB01-120517-...	1.12e4	84.6	NO
5	5	13C9-PFNA	1701882-04RE1 WI-A06-EB01-120517-...	9.99e3	68.5	NO
6	6	13C4-PFOS	1701882-04RE1 WI-A06-EB01-120517-...	2.80e3	89.6	NO
7	7	13C6-PFDA	1701882-04RE1 WI-A06-EB01-120517-...	9.12e3	77.9	NO
8	8	13C7-PFUdA	1701882-04RE1 WI-A06-EB01-120517-...	1.55e4	107.3	NO

Name: 180130M2_77, Date: 31-Jan-2018, Time: 02:05:12, ID: 1701882-06RE1 WI-A06-EB02-120517-TOP 0.0075, Description: WI-A06-EB02-120517-TOP

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701882-06RE1 WI-A06-EB02-120517-...	8.22e3	91.7	NO
2	2	13C5-PFHxA	1701882-06RE1 WI-A06-EB02-120517-...	1.09e4	77.3	NO
3	3	13C3-PFHxS	1701882-06RE1 WI-A06-EB02-120517-...	2.75e3	83.3	NO
4	4	13C8-PFOA	1701882-06RE1 WI-A06-EB02-120517-...	1.01e4	76.5	NO
5	5	13C9-PFNA	1701882-06RE1 WI-A06-EB02-120517-...	1.13e4	77.7	NO
6	6	13C4-PFOS	1701882-06RE1 WI-A06-EB02-120517-...	2.60e3	83.3	NO
7	7	13C6-PFDA	1701882-06RE1 WI-A06-EB02-120517-...	1.10e4	94.0	NO
8	8	13C7-PFUdA	1701882-06RE1 WI-A06-EB02-120517-...	1.17e4	80.9	NO

Name: 180130M2_78, Date: 31-Jan-2018, Time: 02:16:41, ID: 1701882-08RE1 WI-A06-EFF01-1217-TOP 0.0075, Description: WI-A06-EFF01-1217-TOP

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1701882-08RE1 WI-A06-EFF01-1217-T...	7.98e3	89.1	NO
2	2	13C5-PFHxA	1701882-08RE1 WI-A06-EFF01-1217-T...	1.01e4	71.5	NO
3	3	13C3-PFHxS	1701882-08RE1 WI-A06-EFF01-1217-T...	2.53e3	76.4	NO
4	4	13C8-PFOA	1701882-08RE1 WI-A06-EFF01-1217-T...	8.67e3	65.8	NO
5	5	13C9-PFNA	1701882-08RE1 WI-A06-EFF01-1217-T...	9.31e3	63.8	NO
6	6	13C4-PFOS	1701882-08RE1 WI-A06-EFF01-1217-T...	2.15e3	68.8	NO
7	7	13C6-PFDA	1701882-08RE1 WI-A06-EFF01-1217-T...	9.30e3	79.5	NO
8	8	13C7-PFUdA	1701882-08RE1 WI-A06-EFF01-1217-T...	1.06e4	73.6	NO

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_79, Date: 31-Jan-2018, Time: 02:28:08, ID: 1701882-10RE1 WI-A06-EFF01P-1217-TOP 0.0075, Description: WI-A06-EFF01P-1217-TOP

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-10RE1 WI-A06-EFF01P-1217...	8.48e3	94.5	NO
2	2 13C5-PFHxA	1701882-10RE1 WI-A06-EFF01P-1217...	1.17e4	83.2	NO
3	3 13C3-PFHxS	1701882-10RE1 WI-A06-EFF01P-1217...	2.57e3	77.7	NO
4	4 13C8-PFOA	1701882-10RE1 WI-A06-EFF01P-1217...	8.82e3	66.9	NO
5	5 13C9-PFNA	1701882-10RE1 WI-A06-EFF01P-1217...	1.05e4	71.8	NO
6	6 13C4-PFOS	1701882-10RE1 WI-A06-EFF01P-1217...	2.36e3	75.6	NO
7	7 13C6-PFDA	1701882-10RE1 WI-A06-EFF01P-1217...	9.65e3	82.5	NO
8	8 13C7-PFUdA	1701882-10RE1 WI-A06-EFF01P-1217...	1.13e4	78.1	NO

Name: 180130M2_80, Date: 31-Jan-2018, Time: 02:39:37, ID: 1701882-12RE1 WI-A06-INF01-1217-TOP 0.0075, Description: WI-A06-INF01-1217-TOP

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-12RE1 WI-A06-INF01-1217-T...	8.74e3	97.5	NO
2	2 13C5-PFHxA	1701882-12RE1 WI-A06-INF01-1217-T...	1.06e4	75.2	NO
3	3 13C3-PFHxS	1701882-12RE1 WI-A06-INF01-1217-T...	2.68e3	81.0	NO
4	4 13C8-PFOA	1701882-12RE1 WI-A06-INF01-1217-T...	1.12e4	84.9	NO
5	5 13C9-PFNA	1701882-12RE1 WI-A06-INF01-1217-T...	1.11e4	76.0	NO
6	6 13C4-PFOS	1701882-12RE1 WI-A06-INF01-1217-T...	2.80e3	89.4	NO
7	7 13C6-PFDA	1701882-12RE1 WI-A06-INF01-1217-T...	1.11e4	95.0	NO
8	8 13C7-PFUdA	1701882-12RE1 WI-A06-INF01-1217-T...	1.22e4	85.0	NO

Name: 180130M2_81, Date: 31-Jan-2018, Time: 02:51:06, ID: 1701882-14RE1 WI-A06-P-4-1217-TOP 0.0075, Description: WI-A06-P-4-1217-TOP

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-14RE1 WI-A06-P-4-1217-TOP...	8.79e3	98.1	NO
2	2 13C5-PFHxA	1701882-14RE1 WI-A06-P-4-1217-TOP...	1.16e4	82.6	NO
3	3 13C3-PFHxS	1701882-14RE1 WI-A06-P-4-1217-TOP...	2.79e3	84.3	NO
4	4 13C8-PFOA	1701882-14RE1 WI-A06-P-4-1217-TOP...	1.17e4	88.4	NO
5	5 13C9-PFNA	1701882-14RE1 WI-A06-P-4-1217-TOP...	1.16e4	79.2	NO
6	6 13C4-PFOS	1701882-14RE1 WI-A06-P-4-1217-TOP...	2.54e3	81.1	NO
7	7 13C6-PFDA	1701882-14RE1 WI-A06-P-4-1217-TOP...	9.53e3	81.5	NO
8	8 13C7-PFUdA	1701882-14RE1 WI-A06-P-4-1217-TOP...	9.96e3	69.1	NO

Name: 180130M2_82, Date: 31-Jan-2018, Time: 03:02:33, ID: 1701882-16RE1 WI-A06-6-I-03-1217-TOP 0.0075, Description: WI-A06-6-I-03-1217-TOP

	# Name	ID	Area	%Rec	Area Out
1	1 13C4-PFBA	1701882-16RE1 WI-A06-6-I-03-1217-T...	8.34e3	93.1	NO
2	2 13C5-PFHxA	1701882-16RE1 WI-A06-6-I-03-1217-T...	1.01e4	71.6	NO
3	3 13C3-PFHxS	1701882-16RE1 WI-A06-6-I-03-1217-T...	2.65e3	80.3	NO
4	4 13C8-PFOA	1701882-16RE1 WI-A06-6-I-03-1217-T...	9.29e3	70.4	NO
5	5 13C9-PFNA	1701882-16RE1 WI-A06-6-I-03-1217-T...	1.17e4	79.9	NO
6	6 13C4-PFOS	1701882-16RE1 WI-A06-6-I-03-1217-T...	2.76e3	88.2	NO
7	7 13C6-PFDA	1701882-16RE1 WI-A06-6-I-03-1217-T...	9.40e3	80.3	NO
8	8 13C7-PFUdA	1701882-16RE1 WI-A06-6-I-03-1217-T...	1.20e4	83.4	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_83, Date: 31-Jan-2018, Time: 03:14:03, 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-PFUdA	IPA			NO

Name: 180130M2_84, Date: 31-Jan-2018, Time: 03:25:32, ID: ST180130M2-13 PFC CS3 18A1909, Description: PFC CS3 18A1909

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-13 PFC CS3 18A1909	1.05e4	117.0	NO
2	2	13C5-PFHxA	ST180130M2-13 PFC CS3 18A1909	1.85e4	130.8	NO
3	3	13C3-PFHxS	ST180130M2-13 PFC CS3 18A1909	4.41e3	133.5	NO
4	4	13C8-PFOA	ST180130M2-13 PFC CS3 18A1909	1.50e4	113.7	NO
5	5	13C9-PFNA	ST180130M2-13 PFC CS3 18A1909	1.73e4	118.2	NO
6	6	13C4-PFOS	ST180130M2-13 PFC CS3 18A1909	3.88e3	124.2	NO
7	7	13C6-PFDA	ST180130M2-13 PFC CS3 18A1909	1.42e4	121.5	NO
8	8	13C7-PFUdA	ST180130M2-13 PFC CS3 18A1909	2.00e4	138.7	NO

Name: 180130M2_85, Date: 31-Jan-2018, Time: 03:37:02, 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-PFUdA	IPA			NO

Name: 180130M2_86, Date: 31-Jan-2018, Time: 03:48:35, ID: B8A0165-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0165-BS1 OPR 0.25	7.95e3	88.7	NO
2	2	13C5-PFHxA	B8A0165-BS1 OPR 0.25	9.15e3	64.9	NO
3	3	13C3-PFHxS	B8A0165-BS1 OPR 0.25	2.91e3	88.1	NO
4	4	13C8-PFOA	B8A0165-BS1 OPR 0.25	8.55e3	64.8	NO
5	5	13C9-PFNA	B8A0165-BS1 OPR 0.25	8.37e3	57.4	NO
6	6	13C4-PFOS	B8A0165-BS1 OPR 0.25	2.54e3	81.4	NO
7	7	13C6-PFDA	B8A0165-BS1 OPR 0.25	8.36e3	71.5	NO
8	8	13C7-PFUdA	B8A0165-BS1 OPR 0.25	1.27e4	88.1	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_87, Date: 31-Jan-2018, Time: 03:59:59, ID: B8A0165-BSD1 LCSD 0.25, Description: LCSD

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0165-BSD1 LCSD 0.25	8.82e3	98.4	NO
2	2	13C5-PFHxA	B8A0165-BSD1 LCSD 0.25	1.04e4	73.7	NO
3	3	13C3-PFHxS	B8A0165-BSD1 LCSD 0.25	3.22e3	97.3	NO
4	4	13C8-PFOA	B8A0165-BSD1 LCSD 0.25	9.44e3	71.6	NO
5	5	13C9-PFNA	B8A0165-BSD1 LCSD 0.25	9.82e3	67.3	NO
6	6	13C4-PFOS	B8A0165-BSD1 LCSD 0.25	2.90e3	92.6	NO
7	7	13C6-PFDA	B8A0165-BSD1 LCSD 0.25	1.06e4	90.7	NO
8	8	13C7-PFUdA	B8A0165-BSD1 LCSD 0.25	1.15e4	79.6	NO

Name: 180130M2_88, Date: 31-Jan-2018, Time: 04:11:26, ID: B8A0165-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0165-BLK1 Method Blank 0.25	8.19e3	91.3	NO
2	2	13C5-PFHxA	B8A0165-BLK1 Method Blank 0.25	1.08e4	76.9	NO
3	3	13C3-PFHxS	B8A0165-BLK1 Method Blank 0.25	2.81e3	85.0	NO
4	4	13C8-PFOA	B8A0165-BLK1 Method Blank 0.25	7.78e3	59.0	NO
5	5	13C9-PFNA	B8A0165-BLK1 Method Blank 0.25	1.08e4	74.3	NO
6	6	13C4-PFOS	B8A0165-BLK1 Method Blank 0.25	2.84e3	90.9	NO
7	7	13C6-PFDA	B8A0165-BLK1 Method Blank 0.25	9.85e3	84.2	NO
8	8	13C7-PFUdA	B8A0165-BLK1 Method Blank 0.25	9.56e3	66.4	NO

Name: 180130M2_89, Date: 31-Jan-2018, Time: 04:22:53, ID: 1800186-01 REEPDW132 0.12041, Description: REEPDW132

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800186-01 REEPDW132 0.12041	7.45e3	83.1	NO
2	2	13C5-PFHxA	1800186-01 REEPDW132 0.12041	9.09e3	64.5	NO
3	3	13C3-PFHxS	1800186-01 REEPDW132 0.12041	3.02e3	91.5	NO
4	4	13C8-PFOA	1800186-01 REEPDW132 0.12041	8.69e3	65.9	NO
5	5	13C9-PFNA	1800186-01 REEPDW132 0.12041	8.43e3	57.7	NO
6	6	13C4-PFOS	1800186-01 REEPDW132 0.12041	2.54e3	81.2	NO
7	7	13C6-PFDA	1800186-01 REEPDW132 0.12041	6.88e3	58.8	NO
8	8	13C7-PFUdA	1800186-01 REEPDW132 0.12041	9.83e3	68.2	NO

Name: 180130M2_90, Date: 31-Jan-2018, Time: 04:34:22, ID: 1800186-02 REEPDW133 0.12113, Description: REEPDW133

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800186-02 REEPDW133 0.12113	6.64e3	74.1	NO
2	2	13C5-PFHxA	1800186-02 REEPDW133 0.12113	7.45e3	52.9	NO
3	3	13C3-PFHxS	1800186-02 REEPDW133 0.12113	2.53e3	76.5	NO
4	4	13C8-PFOA	1800186-02 REEPDW133 0.12113	6.27e3	47.6	YES
5	5	13C9-PFNA	1800186-02 REEPDW133 0.12113	5.76e3	39.5	YES
6	6	13C4-PFOS	1800186-02 REEPDW133 0.12113	2.74e3	87.6	NO
7	7	13C6-PFDA	1800186-02 REEPDW133 0.12113	7.10e3	60.7	NO
8	8	13C7-PFUdA	1800186-02 REEPDW133 0.12113	7.99e3	55.5	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_91, Date: 31-Jan-2018, Time: 04:45:52, ID: 1800186-03 REEPDW134 0.12099, Description: REEPDW134

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800186-03 REEPDW134 0.12099	6.82e3	76.1	NO
2	2	13C5-PFHxA	1800186-03 REEPDW134 0.12099	8.44e3	59.8	NO
3	3	13C3-PFHxS	1800186-03 REEPDW134 0.12099	3.00e3	90.7	NO
4	4	13C8-PFOA	1800186-03 REEPDW134 0.12099	7.34e3	55.7	NO
5	5	13C9-PFNA	1800186-03 REEPDW134 0.12099	7.39e3	50.7	NO
6	6	13C4-PFOS	1800186-03 REEPDW134 0.12099	2.90e3	92.6	NO
7	7	13C6-PFDA	1800186-03 REEPDW134 0.12099	7.25e3	61.9	NO
8	8	13C7-PFUdA	1800186-03 REEPDW134 0.12099	9.10e3	63.1	NO

Name: 180130M2_92, Date: 31-Jan-2018, Time: 04:57:21, ID: 1800196-01 GW1519180119RAP 0.26117, Description: GW1519180119RAP

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800196-01 GW1519180119RAP 0.261...	8.61e3	96.1	NO
2	2	13C5-PFHxA	1800196-01 GW1519180119RAP 0.261...	1.02e4	72.5	NO
3	3	13C3-PFHxS	1800196-01 GW1519180119RAP 0.261...	2.66e3	80.5	NO
4	4	13C8-PFOA	1800196-01 GW1519180119RAP 0.261...	8.33e3	63.2	NO
5	5	13C9-PFNA	1800196-01 GW1519180119RAP 0.261...	8.75e3	60.0	NO
6	6	13C4-PFOS	1800196-01 GW1519180119RAP 0.261...	2.16e3	68.9	NO
7	7	13C6-PFDA	1800196-01 GW1519180119RAP 0.261...	7.96e3	68.1	NO
8	8	13C7-PFUdA	1800196-01 GW1519180119RAP 0.261...	1.31e4	91.2	NO

Name: 180130M2_93, Date: 31-Jan-2018, Time: 05:08:48, ID: 1800196-02 GW2529180119RAP 0.26519, Description: GW2529180119RAP

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800196-02 GW2529180119RAP 0.265...	9.17e3	102.3	NO
2	2	13C5-PFHxA	1800196-02 GW2529180119RAP 0.265...	1.13e4	80.5	NO
3	3	13C3-PFHxS	1800196-02 GW2529180119RAP 0.265...	2.78e3	84.1	NO
4	4	13C8-PFOA	1800196-02 GW2529180119RAP 0.265...	1.05e4	79.9	NO
5	5	13C9-PFNA	1800196-02 GW2529180119RAP 0.265...	9.30e3	63.8	NO
6	6	13C4-PFOS	1800196-02 GW2529180119RAP 0.265...	2.75e3	88.1	NO
7	7	13C6-PFDA	1800196-02 GW2529180119RAP 0.265...	9.59e3	81.9	NO
8	8	13C7-PFUdA	1800196-02 GW2529180119RAP 0.265...	1.12e4	77.4	NO

Name: 180130M2_94, Date: 31-Jan-2018, Time: 05:20:17, ID: 1800196-03 GW3539180119RAP 0.26249, Description: GW3539180119RAP

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800196-03 GW3539180119RAP 0.262...	9.42e3	105.1	NO
2	2	13C5-PFHxA	1800196-03 GW3539180119RAP 0.262...	1.06e4	75.3	NO
3	3	13C3-PFHxS	1800196-03 GW3539180119RAP 0.262...	3.14e3	94.9	NO
4	4	13C8-PFOA	1800196-03 GW3539180119RAP 0.262...	9.70e3	73.6	NO
5	5	13C9-PFNA	1800196-03 GW3539180119RAP 0.262...	1.01e4	69.6	NO
6	6	13C4-PFOS	1800196-03 GW3539180119RAP 0.262...	3.08e3	98.6	NO
7	7	13C6-PFDA	1800196-03 GW3539180119RAP 0.262...	8.59e3	73.4	NO
8	8	13C7-PFUdA	1800196-03 GW3539180119RAP 0.262...	1.14e4	78.8	NO

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_95, Date: 31-Jan-2018, Time: 05:31:47, ID: 1800207-01 SPLP Solution #1, Description:

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800207-01 SPLP Solution #1	9.14e3	101.9	NO
2	2	13C5-PFHxA	1800207-01 SPLP Solution #1	1.13e4	80.3	NO
3	3	13C3-PFHxS	1800207-01 SPLP Solution #1	3.11e3	94.2	NO
4	4	13C8-PFOA	1800207-01 SPLP Solution #1	9.56e3	72.5	NO
5	5	13C9-PFNA	1800207-01 SPLP Solution #1	1.02e4	70.2	NO
6	6	13C4-PFOS	1800207-01 SPLP Solution #1	2.88e3	92.1	NO
7	7	13C6-PFDA	1800207-01 SPLP Solution #1	8.68e3	74.2	NO
8	8	13C7-PFUdA	1800207-01 SPLP Solution #1	1.20e4	83.5	NO

Name: 180130M2_96, Date: 31-Jan-2018, Time: 05:43:14, ID: 1800207-02 SPLP Solution #2, Description:

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800207-02 SPLP Solution #2	9.77e3	108.9	NO
2	2	13C5-PFHxA	1800207-02 SPLP Solution #2	1.13e4	80.3	NO
3	3	13C3-PFHxS	1800207-02 SPLP Solution #2	3.18e3	96.2	NO
4	4	13C8-PFOA	1800207-02 SPLP Solution #2	1.04e4	78.7	NO
5	5	13C9-PFNA	1800207-02 SPLP Solution #2	1.00e4	68.7	NO
6	6	13C4-PFOS	1800207-02 SPLP Solution #2	2.93e3	93.7	NO
7	7	13C6-PFDA	1800207-02 SPLP Solution #2	1.06e4	90.5	NO
8	8	13C7-PFUdA	1800207-02 SPLP Solution #2	1.43e4	99.3	NO

Name: 180130M2_97, Date: 31-Jan-2018, Time: 05:54:41, ID: 1800207-03 TCLP Solution #1 0.12117, Description: TCLP Solution #1

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800207-03 TCLP Solution #1 0.12117	9.92e3	110.6	NO
2	2	13C5-PFHxA	1800207-03 TCLP Solution #1 0.12117	1.22e4	86.8	NO
3	3	13C3-PFHxS	1800207-03 TCLP Solution #1 0.12117	3.01e3	91.0	NO
4	4	13C8-PFOA	1800207-03 TCLP Solution #1 0.12117	1.01e4	76.9	NO
5	5	13C9-PFNA	1800207-03 TCLP Solution #1 0.12117	1.23e4	84.3	NO
6	6	13C4-PFOS	1800207-03 TCLP Solution #1 0.12117	2.66e3	85.1	NO
7	7	13C6-PFDA	1800207-03 TCLP Solution #1 0.12117	8.70e3	74.4	NO
8	8	13C7-PFUdA	1800207-03 TCLP Solution #1 0.12117	1.25e4	86.9	NO

Name: 180130M2_98, Date: 31-Jan-2018, Time: 06:06:08, ID: 1800207-04 TCLP Solution #2 0.12163, Description: TCLP Solution #2

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800207-04 TCLP Solution #2 0.12163	9.72e3	108.4	NO
2	2	13C5-PFHxA	1800207-04 TCLP Solution #2 0.12163	1.11e4	78.4	NO
3	3	13C3-PFHxS	1800207-04 TCLP Solution #2 0.12163	2.88e3	87.3	NO
4	4	13C8-PFOA	1800207-04 TCLP Solution #2 0.12163	1.10e4	83.4	NO
5	5	13C9-PFNA	1800207-04 TCLP Solution #2 0.12163	1.13e4	77.5	NO
6	6	13C4-PFOS	1800207-04 TCLP Solution #2 0.12163	2.93e3	93.8	NO
7	7	13C6-PFDA	1800207-04 TCLP Solution #2 0.12163	8.61e3	73.5	NO
8	8	13C7-PFUdA	1800207-04 TCLP Solution #2 0.12163	1.17e4	81.3	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_99, Date: 31-Jan-2018, Time: 06:17:37, 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-PFUdA	IPA			NO

Name: 180130M2_100, Date: 31-Jan-2018, Time: 06:29:06, ID: ST180130M2-14 PFC CS3 18A1909, Description: PFC CS3 18A1909

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-14 PFC CS3 18A1909	1.14e4	127.3	NO
2	2	13C5-PFHxA	ST180130M2-14 PFC CS3 18A1909	1.78e4	126.2	NO
3	3	13C3-PFHxS	ST180130M2-14 PFC CS3 18A1909	3.93e3	118.9	NO
4	4	13C8-PFOA	ST180130M2-14 PFC CS3 18A1909	1.71e4	129.5	NO
5	5	13C9-PFNA	ST180130M2-14 PFC CS3 18A1909	1.75e4	119.8	NO
6	6	13C4-PFOS	ST180130M2-14 PFC CS3 18A1909	4.06e3	129.9	NO
7	7	13C6-PFDA	ST180130M2-14 PFC CS3 18A1909	1.58e4	134.6	NO
8	8	13C7-PFUdA	ST180130M2-14 PFC CS3 18A1909	1.66e4	115.3	NO

Name: 180130M2_101, Date: 31-Jan-2018, Time: 06:40:36, 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-PFUdA	IPA			NO

Name: 180130M2_102, Date: 31-Jan-2018, Time: 06:52:05, ID: B8A0119-BS1 OPR 1, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0119-BS1 OPR 1	1.06e4	118.6	NO
2	2	13C5-PFHxA	B8A0119-BS1 OPR 1	1.25e4	88.4	NO
3	3	13C3-PFHxS	B8A0119-BS1 OPR 1	2.95e3	89.2	NO
4	4	13C8-PFOA	B8A0119-BS1 OPR 1	1.06e4	80.3	NO
5	5	13C9-PFNA	B8A0119-BS1 OPR 1	8.92e3	61.1	NO
6	6	13C4-PFOS	B8A0119-BS1 OPR 1	1.50e3	48.0	YES
7	7	13C6-PFDA	B8A0119-BS1 OPR 1	4.26e3	36.4	YES
8	8	13C7-PFUdA	B8A0119-BS1 OPR 1	2.55e3	17.7	YES

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_103, Date: 31-Jan-2018, Time: 07:03:32, ID: B8A0119-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0119-BLK1 Method Blank 1	1.09e4	121.3	NO
2	2	13C5-PFHxA	B8A0119-BLK1 Method Blank 1	1.20e4	84.8	NO
3	3	13C3-PFHxS	B8A0119-BLK1 Method Blank 1	2.85e3	86.2	NO
4	4	13C8-PFOA	B8A0119-BLK1 Method Blank 1	8.87e3	67.3	NO
5	5	13C9-PFNA	B8A0119-BLK1 Method Blank 1	7.34e3	50.3	NO
6	6	13C4-PFOS	B8A0119-BLK1 Method Blank 1	1.65e3	52.8	NO
7	7	13C6-PFDA	B8A0119-BLK1 Method Blank 1	5.44e3	46.5	YES
8	8	13C7-PFUdA	B8A0119-BLK1 Method Blank 1	3.60e3	25.0	YES

Name: 180130M2_104, Date: 31-Jan-2018, Time: 07:14:59, ID: B8A0119-MS1 Matrix Spike 1.23, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0119-MS1 Matrix Spike 1.23	1.07e4	119.2	NO
2	2	13C5-PFHxA	B8A0119-MS1 Matrix Spike 1.23	1.34e4	94.7	NO
3	3	13C3-PFHxS	B8A0119-MS1 Matrix Spike 1.23	2.51e3	76.0	NO
4	4	13C8-PFOA	B8A0119-MS1 Matrix Spike 1.23	9.61e3	72.9	NO
5	5	13C9-PFNA	B8A0119-MS1 Matrix Spike 1.23	9.66e3	66.2	NO
6	6	13C4-PFOS	B8A0119-MS1 Matrix Spike 1.23	1.79e3	57.3	NO
7	7	13C6-PFDA	B8A0119-MS1 Matrix Spike 1.23	7.18e3	61.4	NO
8	8	13C7-PFUdA	B8A0119-MS1 Matrix Spike 1.23	3.62e3	25.1	YES

Name: 180130M2_105, Date: 31-Jan-2018, Time: 07:26:25, ID: B8A0119-MSD1 Matrix Spike Dup 1.13, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0119-MSD1 Matrix Spike Dup 1.13	1.01e4	113.1	NO
2	2	13C5-PFHxA	B8A0119-MSD1 Matrix Spike Dup 1.13	1.20e4	85.1	NO
3	3	13C3-PFHxS	B8A0119-MSD1 Matrix Spike Dup 1.13	2.92e3	88.5	NO
4	4	13C8-PFOA	B8A0119-MSD1 Matrix Spike Dup 1.13	1.17e4	88.6	NO
5	5	13C9-PFNA	B8A0119-MSD1 Matrix Spike Dup 1.13	9.43e3	64.6	NO
6	6	13C4-PFOS	B8A0119-MSD1 Matrix Spike Dup 1.13	1.90e3	60.8	NO
7	7	13C6-PFDA	B8A0119-MSD1 Matrix Spike Dup 1.13	5.99e3	51.2	NO
8	8	13C7-PFUdA	B8A0119-MSD1 Matrix Spike Dup 1.13	3.14e3	21.8	YES

Name: 180130M2_106, Date: 31-Jan-2018, Time: 07:37:52, ID: 1800098-01 MINNE-09-SB01-010818-00-02 1.16, Description: MINNE-09-SB01-010818-00-02

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-01 MINNE-09-SB01-010818-0...	9.33e3	104.0	NO
2	2	13C5-PFHxA	1800098-01 MINNE-09-SB01-010818-0...	1.15e4	81.6	NO
3	3	13C3-PFHxS	1800098-01 MINNE-09-SB01-010818-0...	2.84e3	86.1	NO
4	4	13C8-PFOA	1800098-01 MINNE-09-SB01-010818-0...	1.11e4	83.8	NO
5	5	13C9-PFNA	1800098-01 MINNE-09-SB01-010818-0...	9.67e3	66.3	NO
6	6	13C4-PFOS	1800098-01 MINNE-09-SB01-010818-0...	2.44e3	78.1	NO
7	7	13C6-PFDA	1800098-01 MINNE-09-SB01-010818-0...	6.17e3	52.7	NO
8	8	13C7-PFUdA	1800098-01 MINNE-09-SB01-010818-0...	6.77e3	47.0	YES

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_107, Date: 31-Jan-2018, Time: 07:49:22, ID: 1800098-02 MINNE-09-SB01-010818-16-18 1.17, Description: MINNE-09-SB01-010818-16-18

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-02 MINNE-09-SB01-010818-1...	1.03e4	114.6	NO
2	2	13C5-PFHxA	1800098-02 MINNE-09-SB01-010818-1...	1.18e4	84.0	NO
3	3	13C3-PFHxS	1800098-02 MINNE-09-SB01-010818-1...	2.62e3	79.2	NO
4	4	13C8-PFOA	1800098-02 MINNE-09-SB01-010818-1...	1.01e4	76.6	NO
5	5	13C9-PFNA	1800098-02 MINNE-09-SB01-010818-1...	1.12e4	76.6	NO
6	6	13C4-PFOS	1800098-02 MINNE-09-SB01-010818-1...	1.57e3	50.1	NO
7	7	13C6-PFDA	1800098-02 MINNE-09-SB01-010818-1...	5.90e3	50.4	NO
8	8	13C7-PFUdA	1800098-02 MINNE-09-SB01-010818-1...	2.12e3	14.7	YES

Name: 180130M2_108, Date: 31-Jan-2018, Time: 08:00:51, ID: 1800098-03 MINNE-09-SB03-010818-01-02 1.21, Description: MINNE-09-SB03-010818-01-02

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-03 MINNE-09-SB03-010818-0...	1.02e4	113.9	NO
2	2	13C5-PFHxA	1800098-03 MINNE-09-SB03-010818-0...	1.13e4	80.3	NO
3	3	13C3-PFHxS	1800098-03 MINNE-09-SB03-010818-0...	2.71e3	81.9	NO
4	4	13C8-PFOA	1800098-03 MINNE-09-SB03-010818-0...	1.03e4	78.0	NO
5	5	13C9-PFNA	1800098-03 MINNE-09-SB03-010818-0...	1.15e4	79.1	NO
6	6	13C4-PFOS	1800098-03 MINNE-09-SB03-010818-0...	2.16e3	69.0	NO
7	7	13C6-PFDA	1800098-03 MINNE-09-SB03-010818-0...	7.11e3	60.8	NO
8	8	13C7-PFUdA	1800098-03 MINNE-09-SB03-010818-0...	2.89e3	20.1	YES

Name: 180130M2_109, Date: 31-Jan-2018, Time: 08:12:21, ID: 1800098-04 MINNE-09-SB03-010818-15-17 1.13, Description: MINNE-09-SB03-010818-15-17

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-04 MINNE-09-SB03-010818-1...	1.06e4	118.7	NO
2	2	13C5-PFHxA	1800098-04 MINNE-09-SB03-010818-1...	1.29e4	91.3	NO
3	3	13C3-PFHxS	1800098-04 MINNE-09-SB03-010818-1...	3.10e3	93.9	NO
4	4	13C8-PFOA	1800098-04 MINNE-09-SB03-010818-1...	1.13e4	85.8	NO
5	5	13C9-PFNA	1800098-04 MINNE-09-SB03-010818-1...	9.27e3	63.5	NO
6	6	13C4-PFOS	1800098-04 MINNE-09-SB03-010818-1...	1.98e3	63.2	NO
7	7	13C6-PFDA	1800098-04 MINNE-09-SB03-010818-1...	5.39e3	46.1	YES
8	8	13C7-PFUdA	1800098-04 MINNE-09-SB03-010818-1...	2.44e3	16.9	YES

Name: 180130M2_110, Date: 31-Jan-2018, Time: 08:23:50, ID: 1800098-05 MINNE-10-SB01-010818-00-02 1.3, Description: MINNE-10-SB01-010818-00-02

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-05 MINNE-10-SB01-010818-0...	9.89e3	110.3	NO
2	2	13C5-PFHxA	1800098-05 MINNE-10-SB01-010818-0...	1.20e4	85.2	NO
3	3	13C3-PFHxS	1800098-05 MINNE-10-SB01-010818-0...	2.99e3	90.6	NO
4	4	13C8-PFOA	1800098-05 MINNE-10-SB01-010818-0...	1.04e4	79.0	NO
5	5	13C9-PFNA	1800098-05 MINNE-10-SB01-010818-0...	1.12e4	76.6	NO
6	6	13C4-PFOS	1800098-05 MINNE-10-SB01-010818-0...	2.16e3	69.1	NO
7	7	13C6-PFDA	1800098-05 MINNE-10-SB01-010818-0...	5.69e3	48.6	YES
8	8	13C7-PFUdA	1800098-05 MINNE-10-SB01-010818-0...	2.99e3	20.8	YES

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_111, Date: 31-Jan-2018, Time: 08:35:17, ID: 1800098-06 MINNE-10-SB01-010818-09-11 1.13, Description: MINNE-10-SB01-010818-09-11

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-06 MINNE-10-SB01-010818-0...	1.07e4	119.0	NO
2	2	13C5-PFHxA	1800098-06 MINNE-10-SB01-010818-0...	1.39e4	98.3	NO
3	3	13C3-PFHxS	1800098-06 MINNE-10-SB01-010818-0...	2.98e3	90.0	NO
4	4	13C8-PFOA	1800098-06 MINNE-10-SB01-010818-0...	1.09e4	82.3	NO
5	5	13C9-PFNA	1800098-06 MINNE-10-SB01-010818-0...	8.90e3	61.0	NO
6	6	13C4-PFOS	1800098-06 MINNE-10-SB01-010818-0...	2.13e3	68.0	NO
7	7	13C6-PFDA	1800098-06 MINNE-10-SB01-010818-0...	5.20e3	44.4	YES
8	8	13C7-PFUdA	1800098-06 MINNE-10-SB01-010818-0...	2.66e3	18.4	YES

Name: 180130M2_112, Date: 31-Jan-2018, Time: 08:46:43, ID: 1800098-07 MINNE-10-SB03-010818-00-02 1.29, Description: MINNE-10-SB03-010818-00-02

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-07 MINNE-10-SB03-010818-0...	9.60e3	107.1	NO
2	2	13C5-PFHxA	1800098-07 MINNE-10-SB03-010818-0...	1.24e4	88.0	NO
3	3	13C3-PFHxS	1800098-07 MINNE-10-SB03-010818-0...	2.99e3	90.5	NO
4	4	13C8-PFOA	1800098-07 MINNE-10-SB03-010818-0...	1.13e4	85.4	NO
5	5	13C9-PFNA	1800098-07 MINNE-10-SB03-010818-0...	1.20e4	82.4	NO
6	6	13C4-PFOS	1800098-07 MINNE-10-SB03-010818-0...	1.97e3	62.9	NO
7	7	13C6-PFDA	1800098-07 MINNE-10-SB03-010818-0...	7.84e3	67.0	NO
8	8	13C7-PFUdA	1800098-07 MINNE-10-SB03-010818-0...	3.98e3	27.6	YES

Name: 180130M2_113, Date: 31-Jan-2018, Time: 08:58:11, ID: 1800098-08 MINNE-10-SB03-010818-15-16 1.22, Description: MINNE-10-SB03-010818-15-16

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-08 MINNE-10-SB03-010818-1...	1.03e4	114.3	NO
2	2	13C5-PFHxA	1800098-08 MINNE-10-SB03-010818-1...	1.21e4	86.1	NO
3	3	13C3-PFHxS	1800098-08 MINNE-10-SB03-010818-1...	2.91e3	88.0	NO
4	4	13C8-PFOA	1800098-08 MINNE-10-SB03-010818-1...	1.07e4	81.5	NO
5	5	13C9-PFNA	1800098-08 MINNE-10-SB03-010818-1...	1.09e4	74.6	NO
6	6	13C4-PFOS	1800098-08 MINNE-10-SB03-010818-1...	1.80e3	57.6	NO
7	7	13C6-PFDA	1800098-08 MINNE-10-SB03-010818-1...	6.05e3	51.7	NO
8	8	13C7-PFUdA	1800098-08 MINNE-10-SB03-010818-1...	3.14e3	21.8	YES

Name: 180130M2_114, Date: 31-Jan-2018, Time: 09:09:38, ID: 1800098-09 MINNE-10-SB04-010818-01-02 1.16, Description: MINNE-10-SB04-010818-01-02

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-09 MINNE-10-SB04-010818-0...	9.91e3	110.5	NO
2	2	13C5-PFHxA	1800098-09 MINNE-10-SB04-010818-0...	1.21e4	86.0	NO
3	3	13C3-PFHxS	1800098-09 MINNE-10-SB04-010818-0...	2.63e3	79.6	NO
4	4	13C8-PFOA	1800098-09 MINNE-10-SB04-010818-0...	1.12e4	85.2	NO
5	5	13C9-PFNA	1800098-09 MINNE-10-SB04-010818-0...	9.60e3	65.8	NO
6	6	13C4-PFOS	1800098-09 MINNE-10-SB04-010818-0...	1.57e3	50.3	NO
7	7	13C6-PFDA	1800098-09 MINNE-10-SB04-010818-0...	6.04e3	51.7	NO
8	8	13C7-PFUdA	1800098-09 MINNE-10-SB04-010818-0...	2.57e3	17.8	YES

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_115, Date: 31-Jan-2018, Time: 09:21:06, ID: 1800098-11 MINNE-SO-DUP01-010818 1.18, Description: MINNE-SO-DUP01-010818

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-11 MINNE-SO-DUP01-010818...	9.71e3	108.3	NO
2	2	13C5-PFHxA	1800098-11 MINNE-SO-DUP01-010818...	1.24e4	88.0	NO
3	3	13C3-PFHxS	1800098-11 MINNE-SO-DUP01-010818...	3.24e3	97.9	NO
4	4	13C8-PFOA	1800098-11 MINNE-SO-DUP01-010818...	1.13e4	85.6	NO
5	5	13C9-PFNA	1800098-11 MINNE-SO-DUP01-010818...	9.68e3	66.3	NO
6	6	13C4-PFOS	1800098-11 MINNE-SO-DUP01-010818...	2.31e3	74.0	NO
7	7	13C6-PFDA	1800098-11 MINNE-SO-DUP01-010818...	6.25e3	53.4	NO
8	8	13C7-PFUdA	1800098-11 MINNE-SO-DUP01-010818...	4.08e3	28.3	YES

Name: 180130M2_116, Date: 31-Jan-2018, Time: 09:32:33, 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-PFUdA	IPA	8.29e0	0.1	YES

Name: 180130M2_117, Date: 31-Jan-2018, Time: 09:44:03, ID: ST180130M2-15 PFC CS0 18A1906, Description: PFC CS0 18A1906

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-15 PFC CS0 18A1906	1.16e4	129.1	NO
2	2	13C5-PFHxA	ST180130M2-15 PFC CS0 18A1906	1.84e4	130.3	NO
3	3	13C3-PFHxS	ST180130M2-15 PFC CS0 18A1906	4.45e3	134.5	NO
4	4	13C8-PFOA	ST180130M2-15 PFC CS0 18A1906	1.66e4	126.2	NO
5	5	13C9-PFNA	ST180130M2-15 PFC CS0 18A1906	1.93e4	132.2	NO
6	6	13C4-PFOS	ST180130M2-15 PFC CS0 18A1906	4.67e3	149.2	NO
7	7	13C6-PFDA	ST180130M2-15 PFC CS0 18A1906	1.58e4	135.0	NO
8	8	13C7-PFUdA	ST180130M2-15 PFC CS0 18A1906	1.89e4	131.1	NO

Name: 180130M2_118, Date: 31-Jan-2018, Time: 09:55:31, 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-PFUdA	IPA			NO

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_119, Date: 31-Jan-2018, Time: 10:07:01, ID: 1800098-12 MINNE-SO-DUP02-010818 1.13, Description: MINNE-SO-DUP02-010818

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800098-12 MINNE-SO-DUP02-01081...	1.01e4	113.0	NO
2	2	13C5-PFHxA	1800098-12 MINNE-SO-DUP02-01081...	1.26e4	89.4	NO
3	3	13C3-PFHxS	1800098-12 MINNE-SO-DUP02-01081...	2.84e3	86.0	NO
4	4	13C8-PFOA	1800098-12 MINNE-SO-DUP02-01081...	9.80e3	74.3	NO
5	5	13C9-PFNA	1800098-12 MINNE-SO-DUP02-01081...	1.01e4	69.3	NO
6	6	13C4-PFOS	1800098-12 MINNE-SO-DUP02-01081...	1.60e3	51.3	NO
7	7	13C6-PFDA	1800098-12 MINNE-SO-DUP02-01081...	3.85e3	32.9	YES
8	8	13C7-PFUdA	1800098-12 MINNE-SO-DUP02-01081...	1.62e3	11.3	YES

Name: 180130M2_120, Date: 31-Jan-2018, Time: 10:20:17, ID: 1800099-01 MINNE-08-SB03-010818-01-02 1.16, Description: MINNE-08-SB03-010818-01-02

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800099-01 MINNE-08-SB03-010818-0...	1.09e4	121.8	NO
2	2	13C5-PFHxA	1800099-01 MINNE-08-SB03-010818-0...	1.26e4	89.5	NO
3	3	13C3-PFHxS	1800099-01 MINNE-08-SB03-010818-0...	2.89e3	87.3	NO
4	4	13C8-PFOA	1800099-01 MINNE-08-SB03-010818-0...	1.05e4	79.4	NO
5	5	13C9-PFNA	1800099-01 MINNE-08-SB03-010818-0...	1.02e4	70.1	NO
6	6	13C4-PFOS	1800099-01 MINNE-08-SB03-010818-0...	1.26e3	40.3	YES
7	7	13C6-PFDA	1800099-01 MINNE-08-SB03-010818-0...	4.84e3	41.3	YES
8	8	13C7-PFUdA	1800099-01 MINNE-08-SB03-010818-0...	1.51e3	10.4	YES

Name: 180130M2_121, Date: 31-Jan-2018, Time: 10:31:40, ID: 1800099-02 MINNE-08-SB03-010818-15-17 1.17, Description: MINNE-08-SB03-010818-15-17

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800099-02 MINNE-08-SB03-010818-1...	1.05e4	116.6	NO
2	2	13C5-PFHxA	1800099-02 MINNE-08-SB03-010818-1...	1.28e4	90.4	NO
3	3	13C3-PFHxS	1800099-02 MINNE-08-SB03-010818-1...	2.87e3	86.8	NO
4	4	13C8-PFOA	1800099-02 MINNE-08-SB03-010818-1...	1.09e4	82.7	NO
5	5	13C9-PFNA	1800099-02 MINNE-08-SB03-010818-1...	1.08e4	74.0	NO
6	6	13C4-PFOS	1800099-02 MINNE-08-SB03-010818-1...	2.07e3	66.1	NO
7	7	13C6-PFDA	1800099-02 MINNE-08-SB03-010818-1...	7.60e3	64.9	NO
8	8	13C7-PFUdA	1800099-02 MINNE-08-SB03-010818-1...	4.06e3	28.1	YES

Name: 180130M2_122, Date: 31-Jan-2018, Time: 10:43:07, ID: 1800099-03 MINNE-10-SB02-010918-00-02 1.11, Description: MINNE-10-SB02-010918-00-02

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800099-03 MINNE-10-SB02-010918-0...	9.48e3	105.8	NO
2	2	13C5-PFHxA	1800099-03 MINNE-10-SB02-010918-0...	1.28e4	90.6	NO
3	3	13C3-PFHxS	1800099-03 MINNE-10-SB02-010918-0...	2.78e3	84.0	NO
4	4	13C8-PFOA	1800099-03 MINNE-10-SB02-010918-0...	1.09e4	82.7	NO
5	5	13C9-PFNA	1800099-03 MINNE-10-SB02-010918-0...	9.62e3	65.9	NO
6	6	13C4-PFOS	1800099-03 MINNE-10-SB02-010918-0...	2.06e3	65.8	NO
7	7	13C6-PFDA	1800099-03 MINNE-10-SB02-010918-0...	7.23e3	61.8	NO
8	8	13C7-PFUdA	1800099-03 MINNE-10-SB02-010918-0...	4.83e3	33.5	YES

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_123, Date: 31-Jan-2018, Time: 10:54:34, ID: 1800099-04 MINNE-10-SB02-010918-15-17 1.15, Description: MINNE-10-SB02-010918-15-17

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800099-04 MINNE-10-SB02-010918-1...	1.05e4	117.7	NO
2	2	13C5-PFHxA	1800099-04 MINNE-10-SB02-010918-1...	1.15e4	81.6	NO
3	3	13C3-PFHxS	1800099-04 MINNE-10-SB02-010918-1...	2.84e3	85.8	NO
4	4	13C8-PFOA	1800099-04 MINNE-10-SB02-010918-1...	1.12e4	85.3	NO
5	5	13C9-PFNA	1800099-04 MINNE-10-SB02-010918-1...	9.46e3	64.8	NO
6	6	13C4-PFOS	1800099-04 MINNE-10-SB02-010918-1...	2.37e3	75.9	NO
7	7	13C6-PFDA	1800099-04 MINNE-10-SB02-010918-1...	9.66e3	82.6	NO
8	8	13C7-PFUdA	1800099-04 MINNE-10-SB02-010918-1...	9.91e3	68.7	NO

Name: 180130M2_124, Date: 31-Jan-2018, Time: 11:06:01, ID: 1800099-05 MINNE-10-SB04-010818-16-18 1.18, Description: MINNE-10-SB04-010818-16-18

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800099-05 MINNE-10-SB04-010818-1...	1.02e4	114.2	NO
2	2	13C5-PFHxA	1800099-05 MINNE-10-SB04-010818-1...	1.24e4	87.9	NO
3	3	13C3-PFHxS	1800099-05 MINNE-10-SB04-010818-1...	2.95e3	89.3	NO
4	4	13C8-PFOA	1800099-05 MINNE-10-SB04-010818-1...	1.08e4	81.7	NO
5	5	13C9-PFNA	1800099-05 MINNE-10-SB04-010818-1...	9.99e3	68.5	NO
6	6	13C4-PFOS	1800099-05 MINNE-10-SB04-010818-1...	2.25e3	71.9	NO
7	7	13C6-PFDA	1800099-05 MINNE-10-SB04-010818-1...	7.26e3	62.1	NO
8	8	13C7-PFUdA	1800099-05 MINNE-10-SB04-010818-1...	3.27e3	22.7	YES

Name: 180130M2_125, Date: 31-Jan-2018, Time: 11:17:30, ID: IPA, Description: IPA

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	IPA			NO
2	2	13C5-PFHxA	IPA	5.80e0	0.0	YES
3	3	13C3-PFHxS	IPA			NO
4	4	13C8-PFOA	IPA	5.50e0	0.0	YES
5	5	13C9-PFNA	IPA			NO
6	6	13C4-PFOS	IPA			NO
7	7	13C6-PFDA	IPA			NO
8	8	13C7-PFUdA	IPA			NO

Name: 180130M2_126, Date: 31-Jan-2018, Time: 11:28:58, ID: B8A0148-BS1 OPR 1, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0148-BS1 OPR 1	1.12e4	125.4	NO
2	2	13C5-PFHxA	B8A0148-BS1 OPR 1	1.17e4	83.2	NO
3	3	13C3-PFHxS	B8A0148-BS1 OPR 1	2.89e3	87.3	NO
4	4	13C8-PFOA	B8A0148-BS1 OPR 1	1.11e4	83.8	NO
5	5	13C9-PFNA	B8A0148-BS1 OPR 1	1.26e4	86.2	NO
6	6	13C4-PFOS	B8A0148-BS1 OPR 1	2.13e3	68.0	NO
7	7	13C6-PFDA	B8A0148-BS1 OPR 1	5.41e3	46.3	YES
8	8	13C7-PFUdA	B8A0148-BS1 OPR 1	2.96e3	20.5	YES

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_127, Date: 31-Jan-2018, Time: 11:40:29, ID: B8A0148-BLK1 Method Blank 1, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8A0148-BLK1 Method Blank 1	1.16e4	129.6	NO
2	2	13C5-PFHxA	B8A0148-BLK1 Method Blank 1	1.47e4	104.0	NO
3	3	13C3-PFHxS	B8A0148-BLK1 Method Blank 1	3.25e3	98.4	NO
4	4	13C8-PFOA	B8A0148-BLK1 Method Blank 1	1.26e4	95.6	NO
5	5	13C9-PFNA	B8A0148-BLK1 Method Blank 1	1.23e4	84.4	NO
6	6	13C4-PFOS	B8A0148-BLK1 Method Blank 1	2.41e3	77.0	NO
7	7	13C6-PFDA	B8A0148-BLK1 Method Blank 1	6.84e3	58.4	NO
8	8	13C7-PFUdA	B8A0148-BLK1 Method Blank 1	4.19e3	29.1	YES

Name: 180130M2_128, Date: 31-Jan-2018, Time: 11:51:57, ID: 1800193-01 CANGPFOS20180122 1.11, Description: CANGPFOS20180122

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800193-01 CANGPFOS20180122 1.11	1.09e4	122.1	NO
2	2	13C5-PFHxA	1800193-01 CANGPFOS20180122 1.11	1.33e4	94.6	NO
3	3	13C3-PFHxS	1800193-01 CANGPFOS20180122 1.11	3.10e3	93.7	NO
4	4	13C8-PFOA	1800193-01 CANGPFOS20180122 1.11	1.06e4	80.0	NO
5	5	13C9-PFNA	1800193-01 CANGPFOS20180122 1.11	1.26e4	86.3	NO
6	6	13C4-PFOS	1800193-01 CANGPFOS20180122 1.11	1.99e3	63.6	NO
7	7	13C6-PFDA	1800193-01 CANGPFOS20180122 1.11	7.76e3	66.3	NO
8	8	13C7-PFUdA	1800193-01 CANGPFOS20180122 1.11	4.21e3	29.2	YES

Name: 180130M2_129, Date: 31-Jan-2018, Time: 12:03:26, 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-PFUdA	IPA			NO

Name: 180130M2_130, Date: 31-Jan-2018, Time: 12:14:57, ID: ST180130M2-16 PFC CS3 18A1909, Description: PFC CS3 18A1909

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180130M2-16 PFC CS3 18A1909	1.28e4	142.6	NO
2	2	13C5-PFHxA	ST180130M2-16 PFC CS3 18A1909	1.71e4	121.1	NO
3	3	13C3-PFHxS	ST180130M2-16 PFC CS3 18A1909	3.69e3	111.8	NO
4	4	13C8-PFOA	ST180130M2-16 PFC CS3 18A1909	1.47e4	111.4	NO
5	5	13C9-PFNA	ST180130M2-16 PFC CS3 18A1909	1.36e4	93.2	NO
6	6	13C4-PFOS	ST180130M2-16 PFC CS3 18A1909	3.68e3	117.5	NO
7	7	13C6-PFDA	ST180130M2-16 PFC CS3 18A1909	1.47e4	125.4	NO
8	8	13C7-PFUdA	ST180130M2-16 PFC CS3 18A1909	1.59e4	110.4	NO

AC 1/31/2018

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-IIS.qld

Last Altered: Wednesday, January 31, 2018 14:13:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:17:56 Pacific Standard Time

Name: 180130M2_131, Date: 31-Jan-2018, Time: 12:26:23, 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-PFUdA	IPA			NO

AC 1/31/2018

Vista Analytical Laboratory

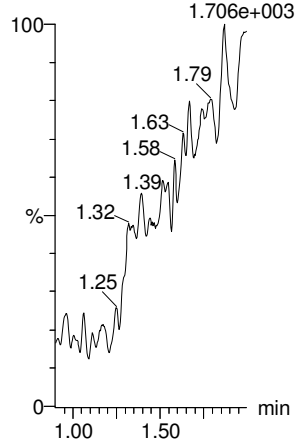
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-12.qld

Last Altered: Wednesday, January 31, 2018 14:18:56 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:19:16 Pacific Standard Time

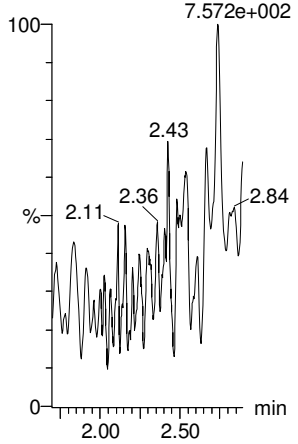
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 13:32:41
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_12, Date: 30-Jan-2018, Time: 13:39:34, ID: IPA, Description: IPA

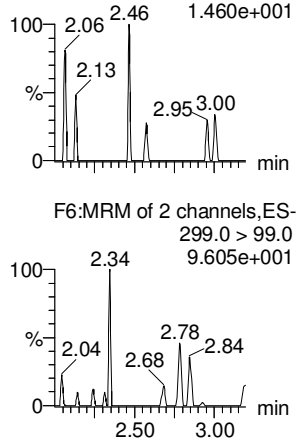
PFBA



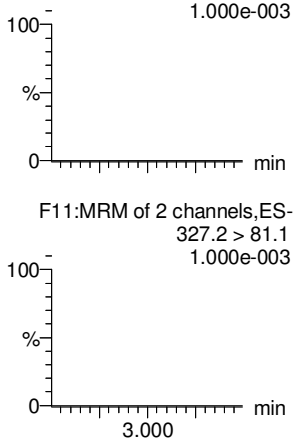
PFPeA



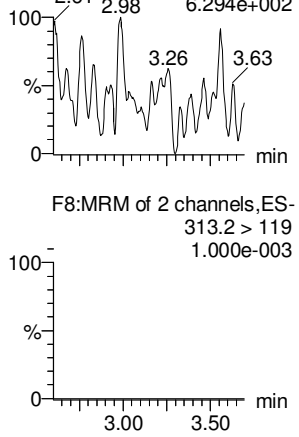
PFBS



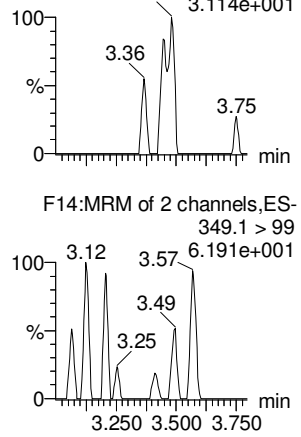
4:2 FTS



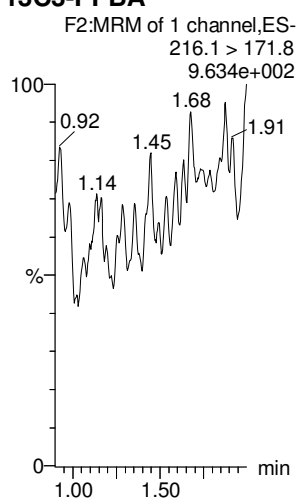
PFHxA



PFPeS



13C3-PFBA



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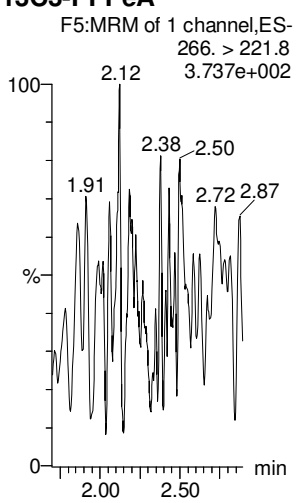

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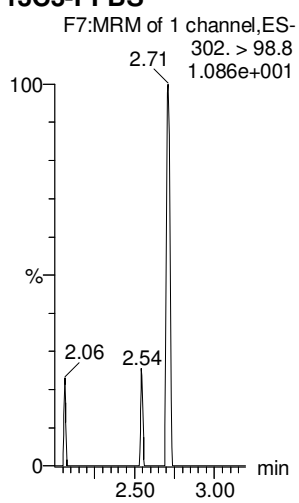

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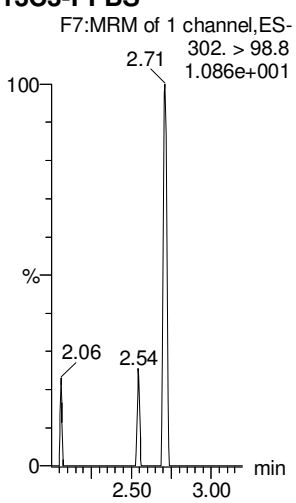
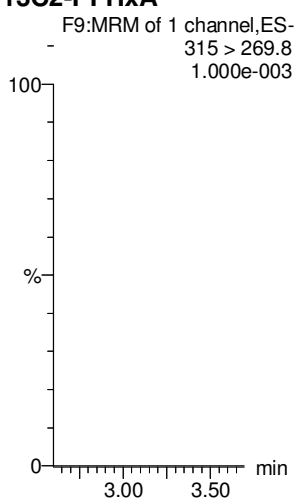
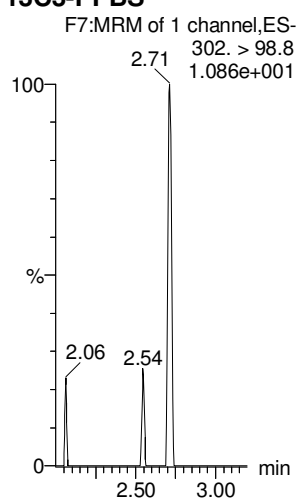


13C2-PFHxA



13C3-PFBS



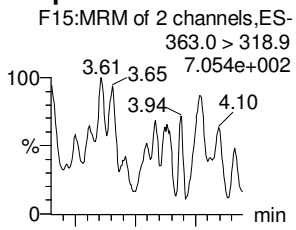
AC 1/31/2018

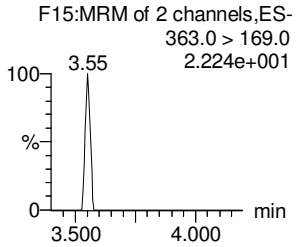
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-12.qld

Last Altered: Wednesday, January 31, 2018 14:18:56 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:19:16 Pacific Standard Time

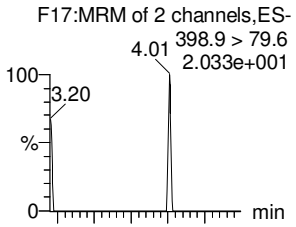
Name: 180130M2_12, Date: 30-Jan-2018, Time: 13:39:34, ID: IPA, Description: IPA

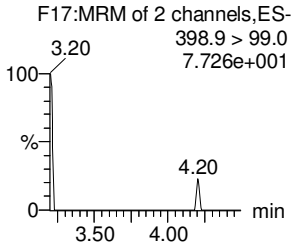
PFHpA



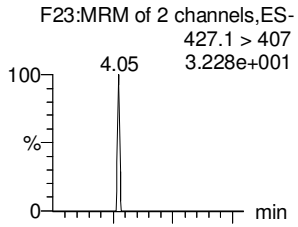


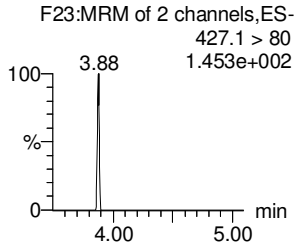
L-PFHxS



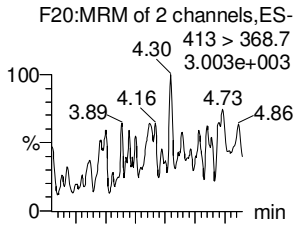


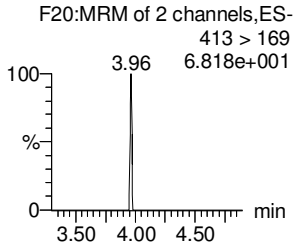
6:2 FTS



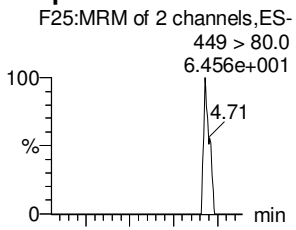


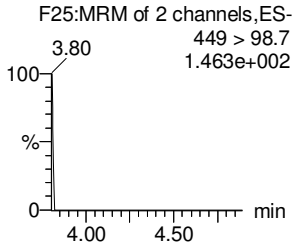
L-PFOA





PFHpS





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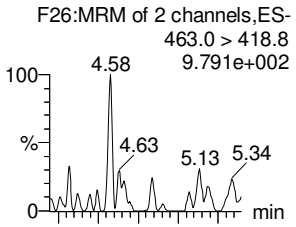
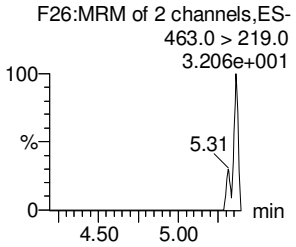
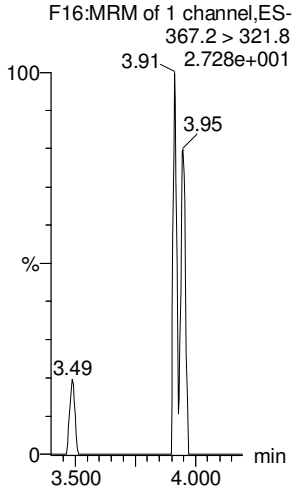
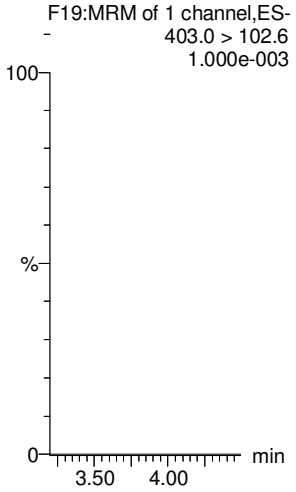




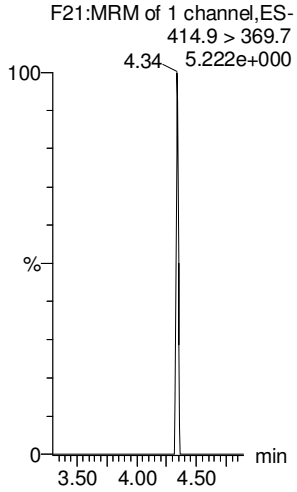
13C4-PFHpA



18O2-PFHxS



13C2-PFOA



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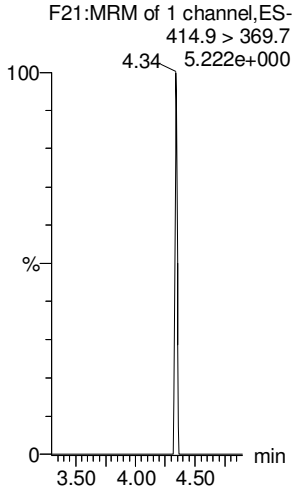
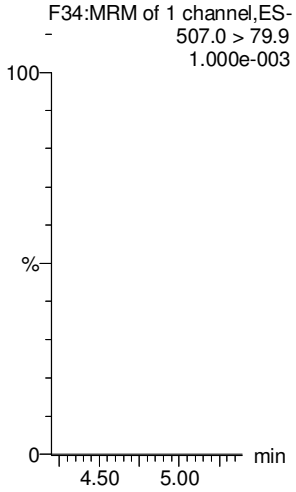
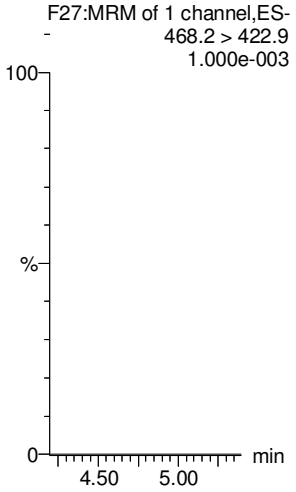


13C8-PFOS



13C5-PFNA



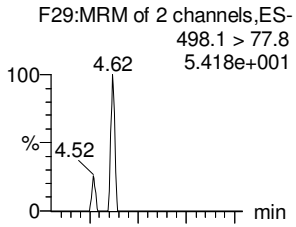
AC 1/31/2018

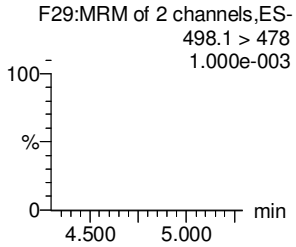
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-12.qld

Last Altered: Wednesday, January 31, 2018 14:18:56 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:19:16 Pacific Standard Time

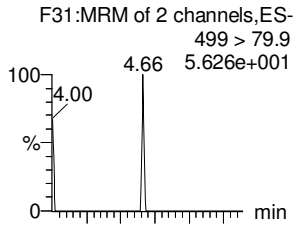
Name: 180130M2_12, Date: 30-Jan-2018, Time: 13:39:34, ID: IPA, Description: IPA

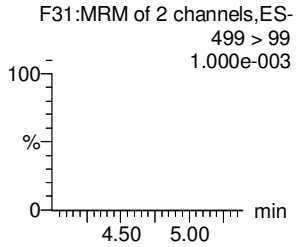
PFOSA



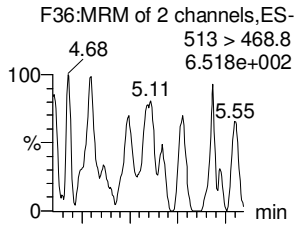


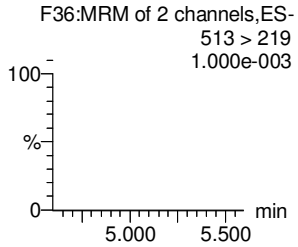
L-PFOS



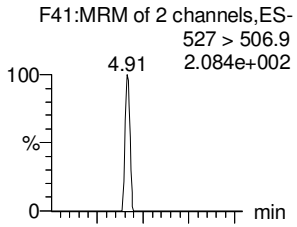


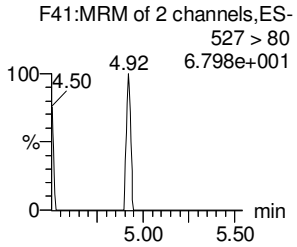
PFDA



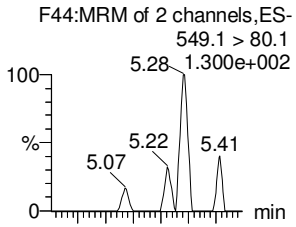


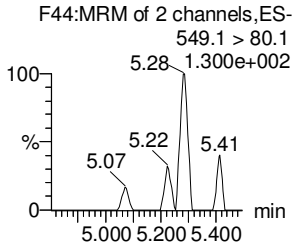
8:2 FTS



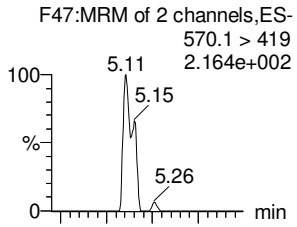


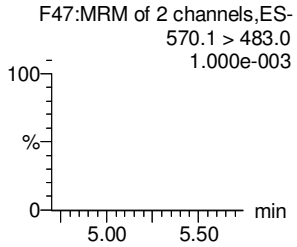
PFNS



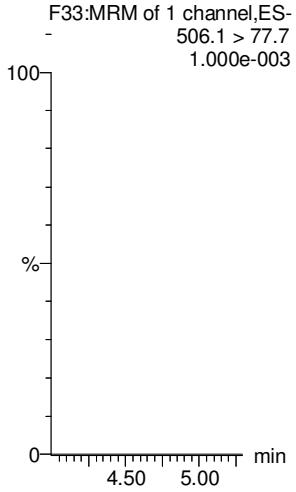


N-MeFOSAA





13C8-PFOSA



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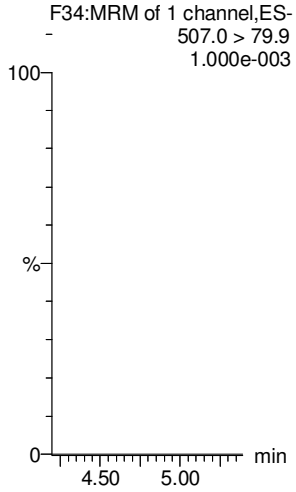

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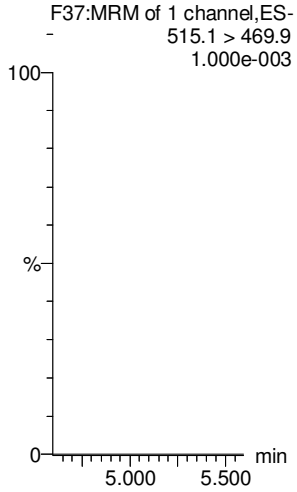

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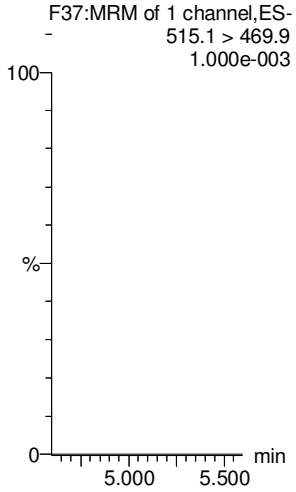
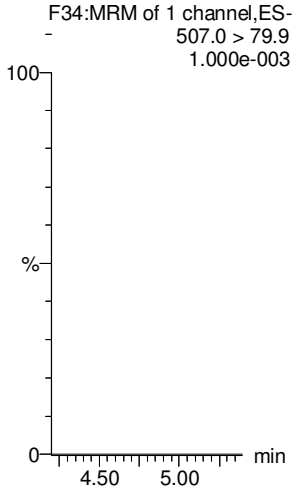
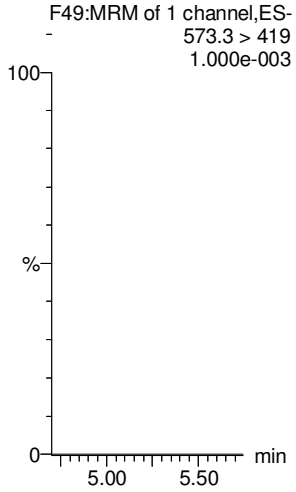


13C8-PFOS



d3-N-MeFOSAA



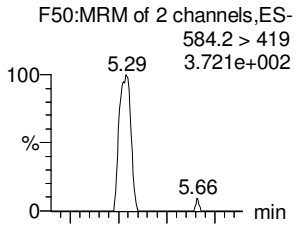
AC 1/31/2018

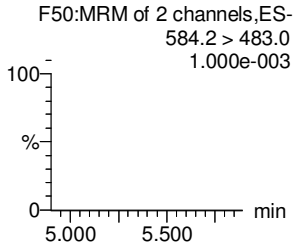
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-12.qld

Last Altered: Wednesday, January 31, 2018 14:18:56 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:19:16 Pacific Standard Time

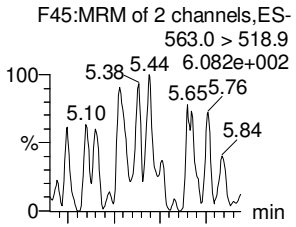
Name: 180130M2_12, Date: 30-Jan-2018, Time: 13:39:34, ID: IPA, Description: IPA

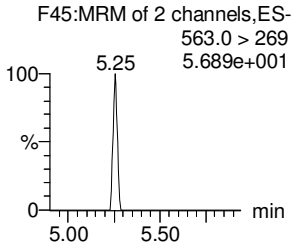
N-EtFOSAA



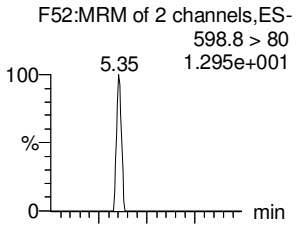


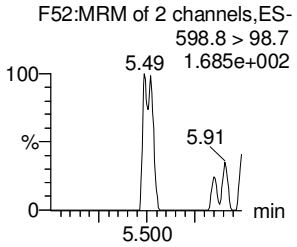
PFUdA



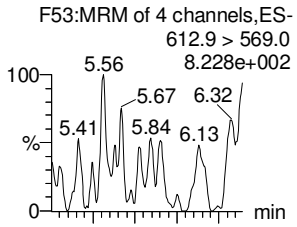


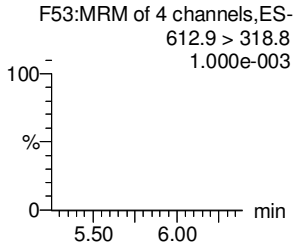
PFDS



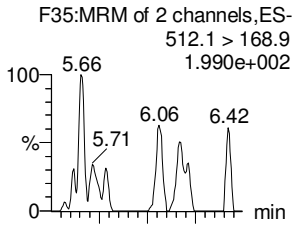


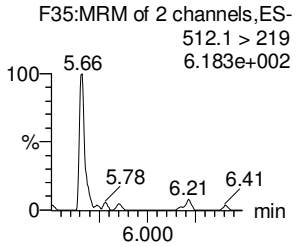
PFDoA



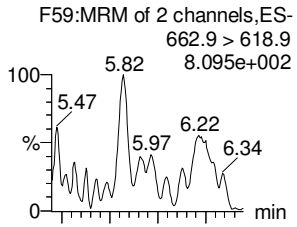


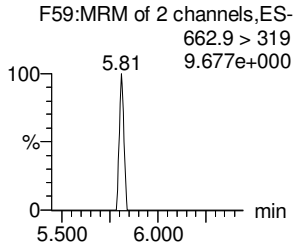
N-MeFOSA



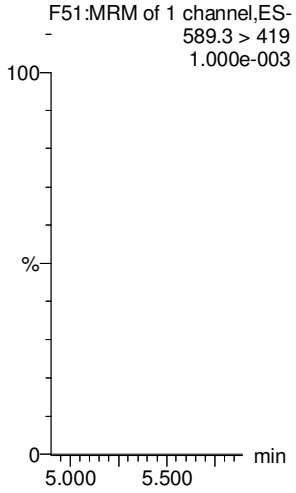


PFTrDA

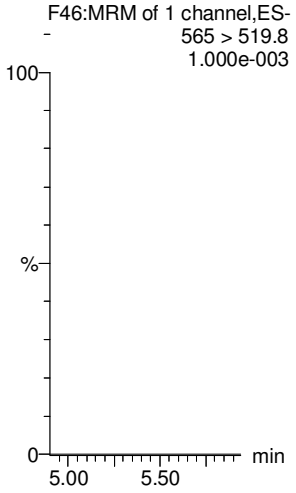




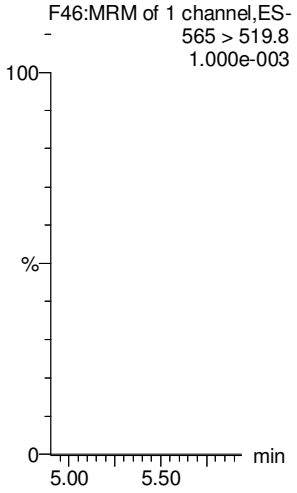
d5-N-EtFOSAA



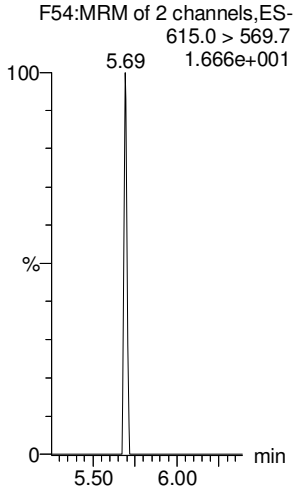
13C2-PFUdA



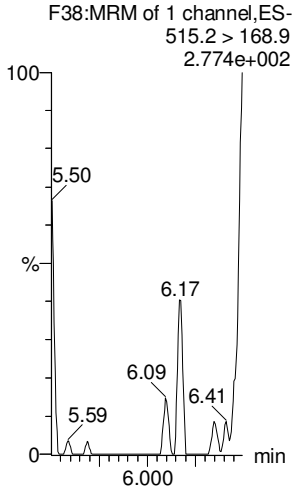
13C2-PFUdA



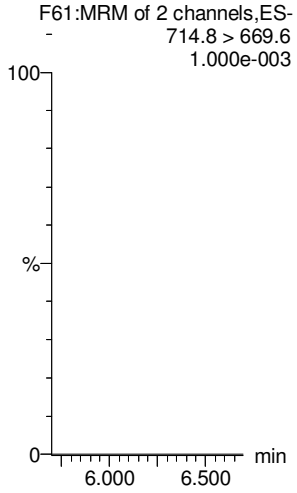
13C2-PFDoA



d3-N-MeFOSA



13C2-PFTeDA



AC 1/31/2018

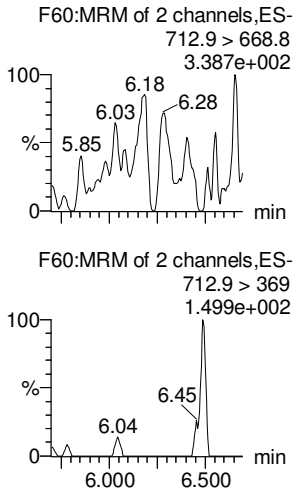
Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-12.qld

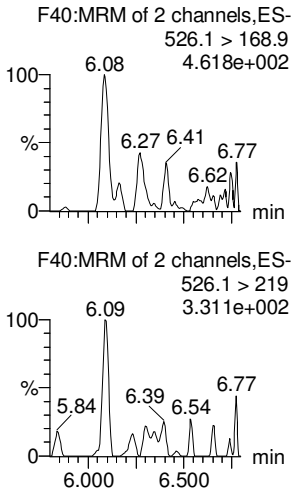
Last Altered: Wednesday, January 31, 2018 14:18:56 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:19:16 Pacific Standard Time

Name: 180130M2_12, Date: 30-Jan-2018, Time: 13:39:34, ID: IPA, Description: IPA

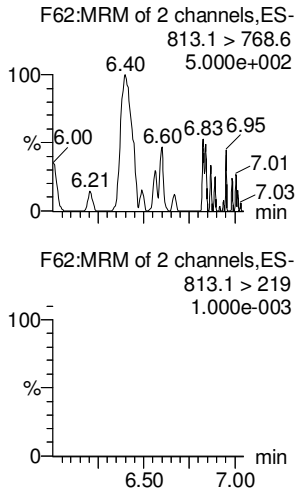
PFTeDA



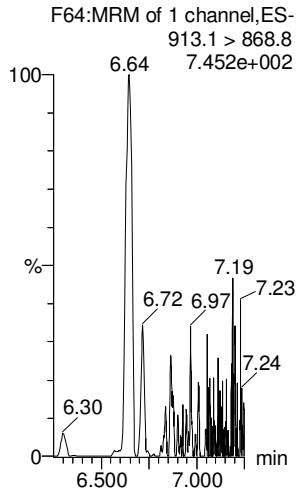
N-EtFOSA



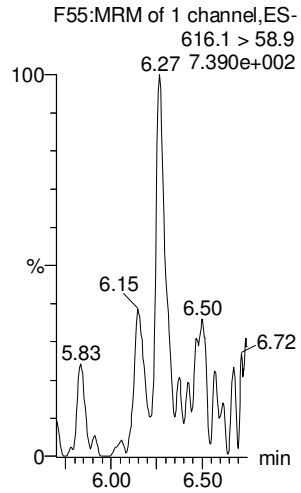
PFHxDA



PFODA



N-MeFOSE



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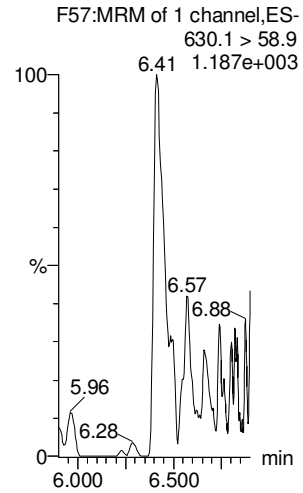
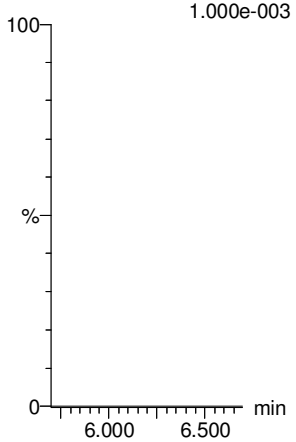
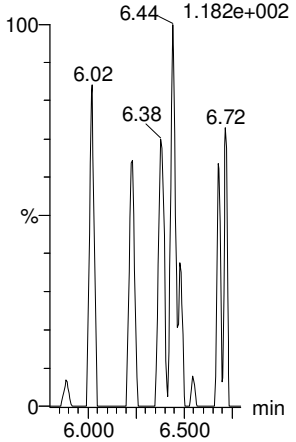


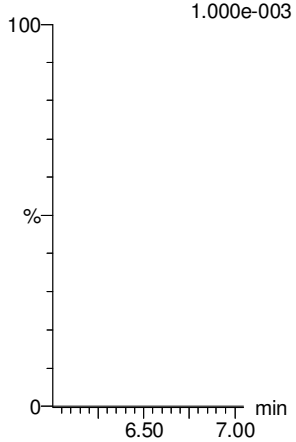
13C2-PFTeDA



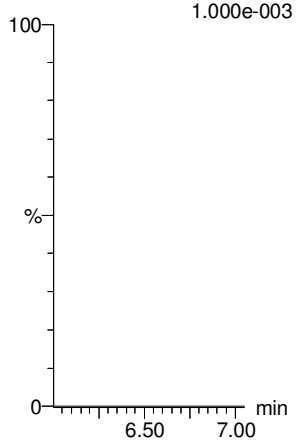
d5-N-ETFOSA



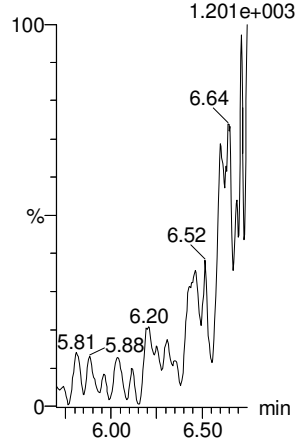
13C2-PFHxDA



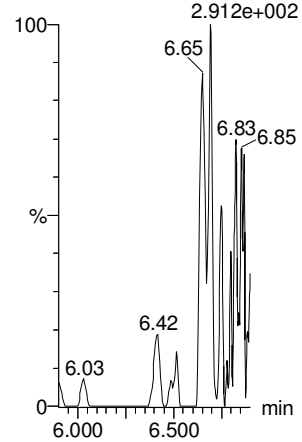
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



AC 1/31/2018

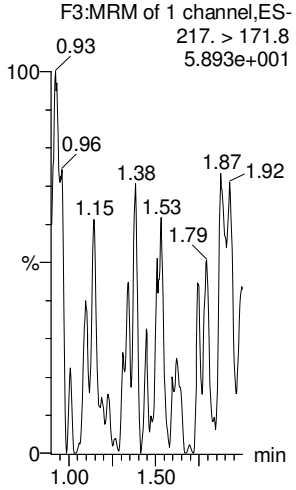
Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-12.qld

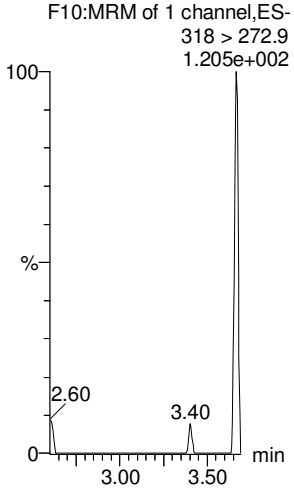
Last Altered: Wednesday, January 31, 2018 14:18:56 Pacific Standard Time
Printed: Wednesday, January 31, 2018 14:19:16 Pacific Standard Time

Name: 180130M2_12, Date: 30-Jan-2018, Time: 13:39:34, ID: IPA, Description: IPA

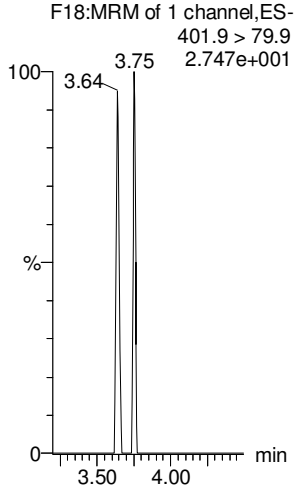
13C4-PFBA



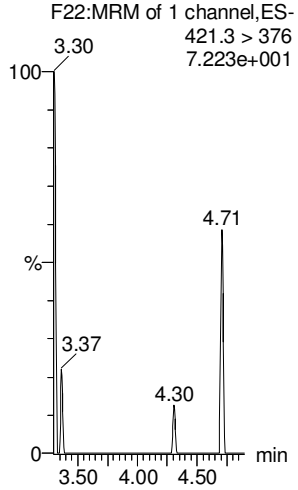
13C5-PFHxA



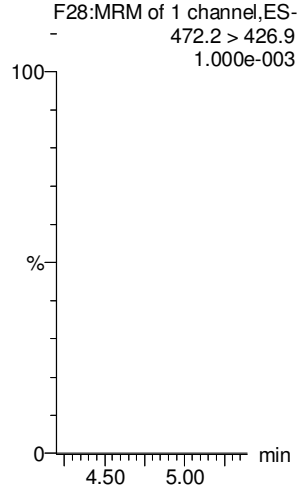
13C3-PFHxS



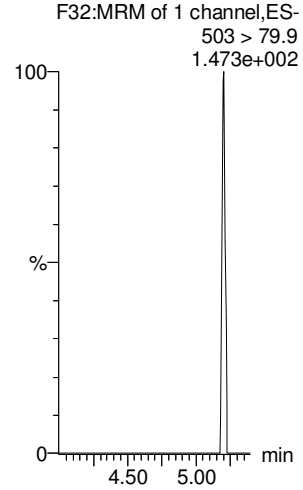
13C8-PFOA



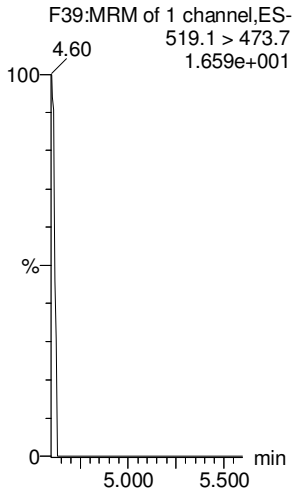
13C9-PFNA



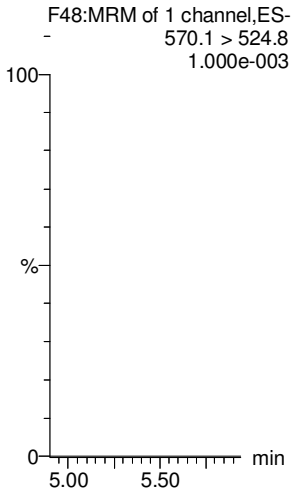
13C4-PFOS



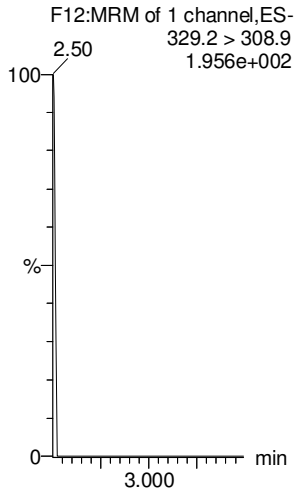
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS



AC 1/31/2018

LC Calibration Standards Review Checklist Q4

			ION Ratio	Concentration	C-Cals Name	Sign Date	Correct I-Cal	Manual Integrations	N/A
Calibration ID:	ST180130M2-11	L (M) H	N/A	☑	☑	☑	☑	☑	☐
Calibration ID:	-12	(L) M H	☐	☑	☑	☑	☑	☑	☐
Calibration ID:	-13	L (M) H	☐	☑	☑	☑	☑	☑	☐
Calibration ID:	-14	L (M) H	☐	☑	☑	☑	☑	☑	☐
Calibration ID:	-15	(L) M H	☐	☑ (A)	☑	☑	☑	☑	☐
Calibration ID:	-16	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: 12/27/17

Run Log Present: ☑

# of Samples per Sequence Checked: ☑

Reviewed By: JA, 01/31/2018
Initials/Date

Comments:
(A) N-ETFOSE > 130%

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-40.qld

Last Altered: Wednesday, January 31, 2018 10:54:12 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:54:32 Pacific Standard Time

AC 1/31/18 ✓MA. 01/31/2018

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_40, Date: 30-Jan-2018, Time: 19:00:38, ID: ST180130M2-11 PFC CS3 18A1909, Description: PFC CS3 18A1909

	#	Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.0 > 168.8	7.63e3	7.42e3		1.0000	1.29	1.31	12.8	11.07	110.7
2	2	PFPeA	263.1 > 218.9	1.11e4	1.32e4		1.0000	2.27	2.26	10.5	10.38	103.8
3	3	PFBS	299.0 > 79.7	2.55e3	1.71e3		1.0000	2.56	2.54	18.7	10.35	103.5
4	4	4:2 FTS	327.2>307.2	2.43e3	1.71e3		1.0000	2.93	2.94	17.8	9.565	95.7
5	5	PFHxA	313.2 > 268.9	1.37e4	4.47e3		1.0000	3.05	3.03	15.3	9.523	95.2
6	6	PFPeS	349.1>80.1	2.75e3	1.71e3		1.0000	3.23	3.24	20.1	10.33	103.3
7	7	PFHpA	363.0 > 318.9	1.06e4	1.03e4		1.0000	3.68	3.66	12.8	10.78	107.8
8	8	L-PFHxS	398.9 > 79.6	1.89e3	1.15e3		1.0000	3.80	3.81	20.5	11.02	110.2
9	10	6:2 FTS	427.1 > 407	3.17e3	1.67e4		1.0000	4.15	4.12	2.37	10.23	102.3
10	11	L-PFOA	413 > 368.7	1.40e4	1.67e4		1.0000	4.20	4.18	10.4	9.875	98.8
11	13	PFHpS	449 > 80.0	2.98e3	3.74e3		1.0000	4.30	4.29	9.94	9.861	98.6
12	14	PFNA	463.0 > 418.8	1.54e4	1.64e4		1.0000	4.65	4.62	11.8	9.472	94.7
13	15	PFOSA	498.1 > 77.8	3.75e3	3.64e3		1.0000	4.70	4.68	12.9	11.78	117.8
14	16	L-PFOS	499 > 79.9	2.90e3	3.74e3		1.0000	4.75	4.70	9.69	9.096	91.0
15	18	PFDA	513 > 468.8	1.43e4	1.43e4		1.0000	5.03	4.99	12.5	9.577	95.8
16	19	8:2 FTS	527 > 506.9	3.07e3	1.43e4		1.0000	5.00	4.96	2.68	10.81	108.1
17	20	PFNS	549.1>80.1	2.90e3	3.74e3		1.0000	5.05	5.06	9.68	10.92	109.2
18	21	N-MeFOSAA	570.1 > 419	7.24e3	5.80e3		1.0000	5.20	5.15	15.6	9.986	99.9
19	22	N-EtFOSAA	584.2 > 419	6.26e3	7.22e3		1.0000	5.30	5.30	10.8	9.886	98.9
20	23	PFUdA	563.0 > 518.9	1.56e4	1.55e4		1.0000	5.36	5.32	12.6	10.69	106.9
21	24	PFDS	598.8 > 80	3.74e3	1.55e4		1.0000	5.40	5.37	3.02	11.13	111.3
22	25	PFDoA	612.9 > 569.0	1.59e4	1.13e4		1.0000	5.65	5.60	17.6	11.83	118.3
23	26	N-MeFOSA	512.1 > 168.9	6.78e3	1.85e4		1.0000	5.70	5.73	55.0	56.38	112.8
24	27	PFTrDA	662.9 > 618.9	1.58e4	4.62e3		1.0000	5.90	5.85	42.8	11.38	113.8
25	28	PFTeDA	712.9 > 668.8	1.03e4	4.62e3		1.0000	6.12	6.07	27.8	12.06	120.6
26	29	N-EtFOSA	526.1 > 168.9	9.22e3	2.91e4		1.0000	6.12	6.15	47.5	52.42	104.8
27	30	PFHxDA	813.1 > 768.6	4.99e3	3.53e3		1.0000	6.46	6.41	7.06	11.57	115.7
28	31	PFODA	913.1 > 868.8	6.84e3	3.53e3		1.0000	6.70	6.64	9.68	12.01	120.1
29	32	N-MeFOSE	616.1 > 58.9	7.93e3	2.44e4		1.0000	6.31	6.30	48.8	52.88	105.8
30	33	N-EtFOSE	630.1 > 58.9	9.57e3	2.60e4		1.0000	6.45	6.45	55.1	47.17	94.3
31	34	13C4PFBA	216.1 > 171.8	7.42e3	8.40e3	0.842	1.0000	1.30	1.31	11.0	13.11	109.2

70-130

50-150

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-40.qld

Last Altered: Wednesday, January 31, 2018 10:54:12 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:54:32 Pacific Standard Time

Name: 180130M2_40, Date: 30-Jan-2018, Time: 19:00:38, ID: ST180130M2-11 PFC CS3 18A1909, Description: PFC CS3 18A1909

	#	Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C3-PFPeA	266. > 221.8	1.32e4	1.63e4	0.870	1.0000	2.27	2.26	10.1	11.64	93.1
33	36	13C3-PFBS	302. > 98.8	1.71e3	1.63e4	0.109	1.0000	2.56	2.54	1.31	11.98	95.8
34	37	13C2-PFHxA	315 > 269.8	4.47e3	1.63e4	0.684	1.0000	3.05	3.03	3.42	4.999	100.0
35	38	13C4-PFHpA	367.2 > 321.8	1.03e4	1.63e4	0.732	1.0000	3.68	3.65	7.91	10.80	86.4
36	39	18O2-PFHxS	403.0 > 102.6	1.15e3	3.63e3	0.318	1.0000	3.80	3.81	3.97	12.48	99.8
37	40	13C2-6:2 FTS	429.1 > 408.9	3.45e3	1.41e4	0.263	1.0000	4.15	4.12	3.05	11.59	92.8
38	41	13C2-PFOA	414.9 > 369.7	1.67e4	1.41e4	1.120	1.0000	4.20	4.18	14.8	13.21	105.7
39	42	13C5-PFNA	468.2 > 422.9	1.64e4	1.68e4	0.921	1.0000	4.65	4.62	12.2	13.26	106.1
40	43	13C8-PFOSA	506.1 > 77.7	3.64e3	1.52e4	0.245	1.0000	4.70	4.68	3.00	12.27	98.2
41	44	13C8-PFOS	507.0 > 79.9	3.74e3	3.58e3	1.034	1.0000	4.75	4.70	13.1	12.65	101.2
42	45	13C2-PFDA	515.1 > 469.9	1.43e4	1.48e4	1.080	1.0000	5.03	4.99	12.1	11.25	90.0
43	46	13C2-8:2 FTS	529.1 > 508.7	2.02e3	1.63e4	0.165	1.0000	5.00	4.96	1.55	9.378	75.0
44	47	d3-N-MeFOSAA	573.3 > 419	5.80e3	1.52e4	0.398	1.0000	5.20	5.14	4.78	12.01	96.1
45	48	d5-N-EtFOSAA	589.3 > 419	7.22e3	1.52e4	0.425	1.0000	5.30	5.30	5.95	14.01	112.1
46	49	13C2-PFUdA	565 > 519.8	1.55e4	1.52e4	1.047	1.0000	5.36	5.32	12.8	12.20	97.6
47	50	13C2-PFDoA	615.0 > 569.7	1.13e4	1.52e4	0.805	1.0000	5.65	5.61	9.33	11.58	92.7
48	51	d3-N-MeFOSA	515.2 > 168.9	1.85e4	1.52e4	0.104	1.0000	5.70	5.76	15.3	147.3	98.2
49	52	13C2-PFTeDA	714.8 > 669.6	4.62e3	1.52e4	0.367	1.0000	6.12	6.07	3.81	10.38	83.0
50	53	d5-N-ETFOSA	531.1 > 168.9	2.91e4	1.52e4	0.155	1.0000	6.25	6.16	24.0	155.1	103.4
51	54	13C2-PFHxDA	815 > 769.7	3.53e3	1.52e4	0.721	1.0000	6.46	6.41	2.91	4.038	80.8
52	55	d7-N-MeFOSE	623.1 > 58.9	2.44e4	1.52e4	0.143	1.0000	6.31	6.30	20.1	141.2	94.1
53	56	d9-N-EtFOSE	639.2 > 58.8	2.60e4	1.52e4	0.133	1.0000	6.12	6.44	21.5	161.9	107.9
54	57	13C4-PFBA	217. > 171.8	8.40e3	8.40e3	1.000	1.0000	1.30	1.31	12.5	12.50	100.0
55	58	13C5-PFHxA	318 > 272.9	1.63e4	1.63e4	1.000	1.0000	3.05	3.03	12.5	12.50	100.0
56	59	13C3-PFHxS	401.9 > 79.9	3.63e3	3.63e3	1.000	1.0000	3.80	3.80	12.5	12.50	100.0
57	60	13C8-PFOA	421.3 > 376	1.41e4	1.41e4	1.000	1.0000	4.20	4.18	12.5	12.50	100.0
58	61	13C9-PFNA	472.2 > 426.9	1.68e4	1.68e4	1.000	1.0000	4.65	4.62	12.5	12.50	100.0
59	62	13C4-PFOS	503 > 79.9	3.58e3	3.58e3	1.000	1.0000	4.60	4.70	12.5	12.50	100.0
60	63	13C6-PFDA	519.1 > 473.7	1.48e4	1.48e4	1.000	1.0000	5.03	4.99	12.5	12.50	100.0
61	64	13C7-PFUdA	570.1 > 524.8	1.52e4	1.52e4	1.000	1.0000	5.36	5.32	12.5	12.50	100.0
62	72	13C2-4:2 FTS	329.2>308.9	3.83e3	1.63e4	0.275	1.0000	2.93	2.94	2.93	10.66	85.3

50-150

50-150

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Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180130M2_1	IPA	30-Jan-18	11:33:07
2	180130M2_2	ST180130M2-1 PFC CS-2 18A1904	30-Jan-18	11:44:38
3	180130M2_3	ST180130M2-2 PFC CS-1 18A1905	30-Jan-18	11:56:07
4	180130M2_4	ST180130M2-3 PFC CS0 18A1906	30-Jan-18	12:07:36
5	180130M2_5	ST180130M2-4 PFC CS1 18A1907	30-Jan-18	12:19:06
6	180130M2_6	ST180130M2-5 PFC CS2 18A1908	30-Jan-18	12:30:35
7	180130M2_7	ST180130M2-6 PFC CS3 18A1909	30-Jan-18	12:42:05
8	180130M2_8	ST180130M2-7 PFC CS4 18A1910	30-Jan-18	12:53:35
9	180130M2_9	ST180130M2-8 PFC CS5 18A1911	30-Jan-18	13:05:04
10	180130M2_10	ST180130M2-9 PFC CS6 18A2403	30-Jan-18	13:16:34
11	180130M2_11	ST180130M2-10 PFC CS7 18A2404	30-Jan-18	13:28:04
12	180130M2_12	IPA	30-Jan-18	13:39:34
13	180130M2_13	ICV180130M2-1 PFC ICV 18A1903	30-Jan-18	13:51:03
14	180130M2_14	IPA	30-Jan-18	14:02:33
15	180130M2_15	1800188-02 REEPDW133FRB 0.11579	30-Jan-18	14:14:05
16	180130M2_16	1800204-03 REEPDW137 0.11904	30-Jan-18	14:25:29
17	180130M2_17	1800204-07 REEPDW513 0.11719	30-Jan-18	14:36:56
18	180130M2_18	B8A0173-BLK1 Method Blank 0.125	30-Jan-18	14:48:23
19	180130M2_19	B8A0173-BS1 OPR 0.125	30-Jan-18	14:59:50
20	180130M2_20	B8A0173-BS2 OPR 0.125	30-Jan-18	15:11:16
21	180130M2_21	B8A0173-BS3 OPR 0.125	30-Jan-18	15:22:44
22	180130M2_22	B8A0173-BS4 OPR 0.125	30-Jan-18	15:34:10
23	180130M2_23	B8A0070-BS1 OPR 0.25	30-Jan-18	15:45:37
24	180130M2_24	B8A0070-BLK1 Method Blank 0.25	30-Jan-18	15:57:07
25	180130M2_25	1800010-01 PFAS Ground Water_Surface Wate...	30-Jan-18	16:08:37
26	180130M2_26	IPA	30-Jan-18	16:20:04
27	180130M2_27	B8A0054-BS1 OPR 1	30-Jan-18	16:31:30
28	180130M2_28	B8A0054-BLK1 Method Blank 1	30-Jan-18	16:42:57
29	180130M2_29	1800011-01 PFAS in Soil Lot#122917C2 1	30-Jan-18	16:54:27
30	180130M2_30	B8A0115-MS1 Matrix Spike 0.25673	30-Jan-18	17:05:57
31	180130M2_31	B8A0115-MSD1@10X Matrix Spike Dup 0.25042	30-Jan-18	17:17:24

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
32	180130M2_32	1800121-02 EB01-20180115 0.25066	30-Jan-18	17:28:54
33	180130M2_33	1800121-04 IRSite5-GW-05W06-20180115 0.2...	30-Jan-18	17:40:22
34	180130M2_34	1800121-06 IRSite5-GW-05W01-20180115 0.2...	30-Jan-18	17:51:52
35	180130M2_35	1800121-07 IRSite5-GW-05W03-20180115 0.2...	30-Jan-18	18:03:22
36	180130M2_36	1800121-08 UXOSite14-GW-DPW79A-2018011...	30-Jan-18	18:14:48
37	180130M2_37	1800121-09 UXOSite14-GW-DPW78A-2018011...	30-Jan-18	18:26:15
38	180130M2_38	1800121-10 UXOSite14-GW-DPW77A-2018011...	30-Jan-18	18:37:42
39	180130M2_39	IPA	30-Jan-18	18:49:09
40	180130M2_40	ST180130M2-11 PFC CS3 18A1909	30-Jan-18	19:00:38
41	180130M2_41	IPA	30-Jan-18	19:12:08
42	180130M2_42	1800121-11 IRSite1-GW-01W48A -20180115 0....	30-Jan-18	19:23:37
43	180130M2_43	1800121-12 IRSite1-GW-01W49A- 20180115 0....	30-Jan-18	19:35:04
44	180130M2_44	1800121-13 IRSite1-GW-01W13A- 20180115 0....	30-Jan-18	19:46:34
45	180130M2_45	1800121-14 DUP01-20180115 0.26578	30-Jan-18	19:58:03
46	180130M2_46	1800132-14 PITTS-EB-011118-1400 0.12081	30-Jan-18	20:09:34
47	180130M2_47	B8A0140-BS1 OPR 0.25	30-Jan-18	20:21:00
48	180130M2_48	B8A0140-BSD1 LCSD 0.25	30-Jan-18	20:32:30
49	180130M2_49	B8A0140-BLK1 Method Blank 0.25	30-Jan-18	20:44:00
50	180130M2_50	1800127-01 EB02-20180116 0.27074	30-Jan-18	20:55:29
51	180130M2_51	1800127-02 IRSite1-GW-01W53A-20180116 0....	30-Jan-18	21:06:58
52	180130M2_52	1800127-03 IRSite1-GW-MW80A-20180116 0.2...	30-Jan-18	21:18:25
53	180130M2_53	1800127-04 IRSite1-GW-01W28B-20180116 0....	30-Jan-18	21:29:51
54	180130M2_54	1800127-05 IRSite1-GW-01W38AR-20180116 ...	30-Jan-18	21:41:18
55	180130M2_55	1800127-06 IRSite1-GW-MW86A-20180116 0.2...	30-Jan-18	21:52:45
56	180130M2_56	1800127-07 IRSite1-GW-MW85A-20180116 0.2...	30-Jan-18	22:04:12
57	180130M2_57	1800127-08 DUP02-20180116 0.25425	30-Jan-18	22:15:39
58	180130M2_58	1800127-09 IRSite1-GW-MW82A-20180116 0.2...	30-Jan-18	22:27:06
59	180130M2_59	IPA	30-Jan-18	22:38:33
60	180130M2_60	ST180130M2-12 PFC CS0 18A1906	30-Jan-18	22:50:01
61	180130M2_61	IPA	30-Jan-18	23:01:30
62	180130M2_62	1800139-01 LH-TAP 0.27467	30-Jan-18	23:13:00
63	180130M2_63	1800139-02 LH-RAW 0.27394	30-Jan-18	23:24:27
64	180130M2_64	1701953-01@10X CV-Dup09-20171213 0.2568	30-Jan-18	23:35:57
65	180130M2_65	1701953-10@10X SA-PZ118S-20171213 0.235...	30-Jan-18	23:47:26

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
66	180130M2_66	IPA	30-Jan-18	23:58:55
67	180130M2_67	B7L0136-BLK1 Method Blank 0.0075	31-Jan-18	00:10:22
68	180130M2_68	B7L0136-BS1 OPR 0.0075	31-Jan-18	00:21:50
69	180130M2_69	B7L0136-BS2 OPR 0.0075	31-Jan-18	00:33:19
70	180130M2_70	B7L0136-BS3 OPR 0.0075	31-Jan-18	00:44:49
71	180130M2_71	B7L0136-BS4 OPR 0.0075	31-Jan-18	00:56:18
72	180130M2_72	B7L0140-BS1 OPR 0.0075	31-Jan-18	01:07:47
73	180130M2_73	B7L0140-BSD1 LCSD 0.0075	31-Jan-18	01:19:13
74	180130M2_74	B7L0140-BLK1 Method Blank 0.0075	31-Jan-18	01:30:42
75	180130M2_75	1701882-02RE1 WI-A06-6-I-01-1217-TOP 0.0075	31-Jan-18	01:42:11
76	180130M2_76	1701882-04RE1 WI-A06-EB01-120517-TOP 0....	31-Jan-18	01:53:42
77	180130M2_77	1701882-06RE1 WI-A06-EB02-120517-TOP 0....	31-Jan-18	02:05:12
78	180130M2_78	1701882-08RE1 WI-A06-EFF01-1217-TOP 0.0...	31-Jan-18	02:16:41
79	180130M2_79	1701882-10RE1 WI-A06-EFF01P-1217-TOP 0....	31-Jan-18	02:28:08
80	180130M2_80	1701882-12RE1 WI-A06-INF01-1217-TOP 0.00...	31-Jan-18	02:39:37
81	180130M2_81	1701882-14RE1 WI-A06-P-4-1217-TOP 0.0075	31-Jan-18	02:51:06
82	180130M2_82	1701882-16RE1 WI-A06-6-I-03-1217-TOP 0.0075	31-Jan-18	03:02:33
83	180130M2_83	IPA	31-Jan-18	03:14:03
84	180130M2_84	ST180130M2-13 PFC CS3 18A1909	31-Jan-18	03:25:32
85	180130M2_85	IPA	31-Jan-18	03:37:02
86	180130M2_86	B8A0165-BS1 OPR 0.25	31-Jan-18	03:48:35
87	180130M2_87	B8A0165-BSD1 LCSD 0.25	31-Jan-18	03:59:59
88	180130M2_88	B8A0165-BLK1 Method Blank 0.25	31-Jan-18	04:11:26
89	180130M2_89	1800186-01 REEPDW132 0.12041	31-Jan-18	04:22:53
90	180130M2_90	1800186-02 REEPDW133 0.12113	31-Jan-18	04:34:22
91	180130M2_91	1800186-03 REEPDW134 0.12099	31-Jan-18	04:45:52
92	180130M2_92	1800196-01 GW1519180119RAP 0.26117	31-Jan-18	04:57:21
93	180130M2_93	1800196-02 GW2529180119RAP 0.26519	31-Jan-18	05:08:48
94	180130M2_94	1800196-03 GW3539180119RAP 0.26249	31-Jan-18	05:20:17
95	180130M2_95	1800207-01 SPLP Solution #1	31-Jan-18	05:31:47
96	180130M2_96	1800207-02 SPLP Solution #2	31-Jan-18	05:43:14
97	180130M2_97	1800207-03 TCLP Solution #1 0.12117	31-Jan-18	05:54:41
98	180130M2_98	1800207-04 TCLP Solution #2 0.12163	31-Jan-18	06:06:08
99	180130M2_99	IPA	31-Jan-18	06:17:37

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Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
100	180130M2_100	ST180130M2-14 PFC CS3 18A1909	31-Jan-18	06:29:06
101	180130M2_101	IPA	31-Jan-18	06:40:36
102	180130M2_102	B8A0119-BS1 OPR 1	31-Jan-18	06:52:05
103	180130M2_103	B8A0119-BLK1 Method Blank 1	31-Jan-18	07:03:32
104	180130M2_104	B8A0119-MS1 Matrix Spike 1.23	31-Jan-18	07:14:59
105	180130M2_105	B8A0119-MSD1 Matrix Spike Dup 1.13	31-Jan-18	07:26:25
106	180130M2_106	1800098-01 MINNE-09-SB01-010818-00-02 1.16	31-Jan-18	07:37:52
107	180130M2_107	1800098-02 MINNE-09-SB01-010818-16-18 1.17	31-Jan-18	07:49:22
108	180130M2_108	1800098-03 MINNE-09-SB03-010818-01-02 1.21	31-Jan-18	08:00:51
109	180130M2_109	1800098-04 MINNE-09-SB03-010818-15-17 1.13	31-Jan-18	08:12:21
110	180130M2_110	1800098-05 MINNE-10-SB01-010818-00-02 1.3	31-Jan-18	08:23:50
111	180130M2_111	1800098-06 MINNE-10-SB01-010818-09-11 1.13	31-Jan-18	08:35:17
112	180130M2_112	1800098-07 MINNE-10-SB03-010818-00-02 1.29	31-Jan-18	08:46:43
113	180130M2_113	1800098-08 MINNE-10-SB03-010818-15-16 1.22	31-Jan-18	08:58:11
114	180130M2_114	1800098-09 MINNE-10-SB04-010818-01-02 1.16	31-Jan-18	09:09:38
115	180130M2_115	1800098-11 MINNE-SO-DUP01-010818 1.18	31-Jan-18	09:21:06
116	180130M2_116	IPA	31-Jan-18	09:32:33
117	180130M2_117	ST180130M2-15 PFC CS0 18A1906	31-Jan-18	09:44:03
118	180130M2_118	IPA	31-Jan-18	09:55:31
119	180130M2_119	1800098-12 MINNE-SO-DUP02-010818 1.13	31-Jan-18	10:07:01
120	180130M2_120	1800099-01 MINNE-08-SB03-010818-01-02 1.16	31-Jan-18	10:20:17
121	180130M2_121	1800099-02 MINNE-08-SB03-010818-15-17 1.17	31-Jan-18	10:31:40
122	180130M2_122	1800099-03 MINNE-10-SB02-010918-00-02 1.11	31-Jan-18	10:43:07
123	180130M2_123	1800099-04 MINNE-10-SB02-010918-15-17 1.15	31-Jan-18	10:54:34
124	180130M2_124	1800099-05 MINNE-10-SB04-010818-16-18 1.18	31-Jan-18	11:06:01
125	180130M2_125	IPA	31-Jan-18	11:17:30
126	180130M2_126	B8A0148-BS1 OPR 1	31-Jan-18	11:28:58
127	180130M2_127	B8A0148-BLK1 Method Blank 1	31-Jan-18	11:40:29
128	180130M2_128	1800193-01 CANGPFOS20180122 1.11	31-Jan-18	11:51:57
129	180130M2_129	IPA	31-Jan-18	12:03:26
130	180130M2_130	ST180130M2-16 PFC CS3 18A1909	31-Jan-18	12:14:57
131	180130M2_131	IPA	31-Jan-18	12:26:23

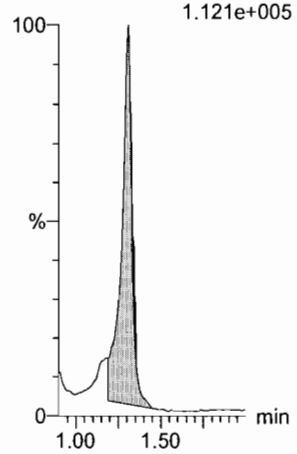
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-40.qld

Last Altered: Wednesday, January 31, 2018 10:54:12 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:54:32 Pacific Standard Time

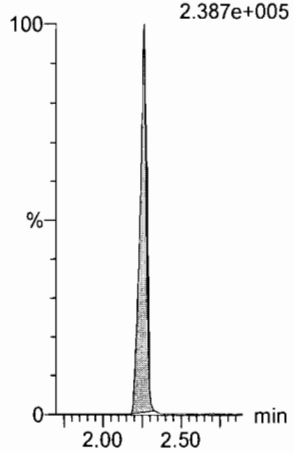
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_40, Date: 30-Jan-2018, Time: 19:00:38, ID: ST180130M2-11 PFC CS3 18A1909, Description: PFC CS3 18A1909

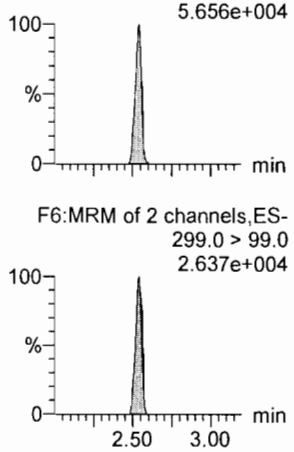
PFBA



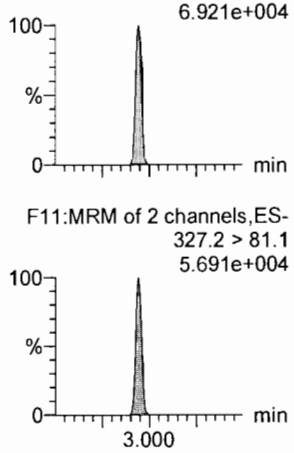
PFPeA



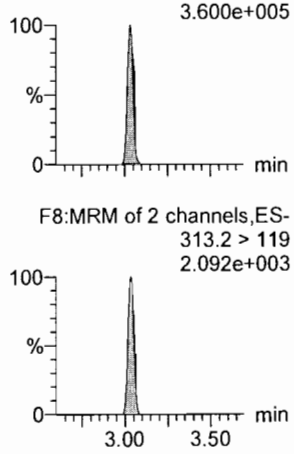
PFBS



4:2 FTS



PFHxA



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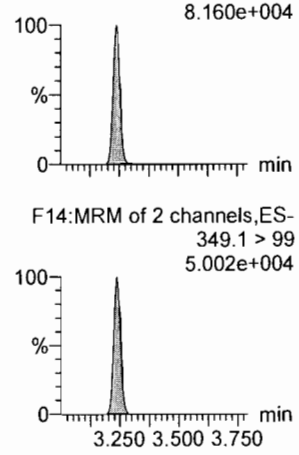
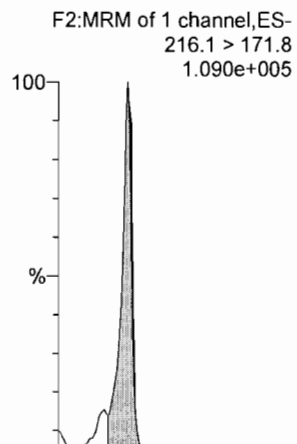


13C3-PFBA



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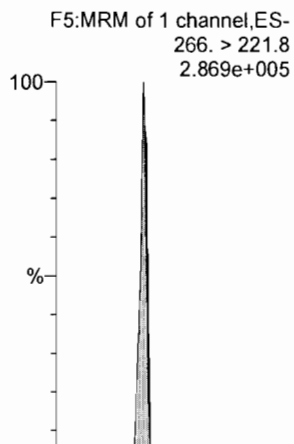

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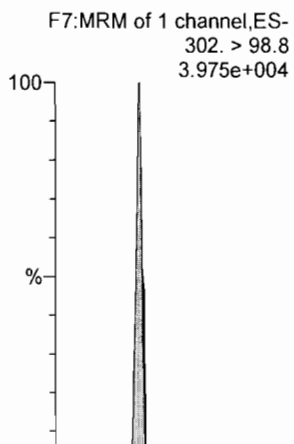

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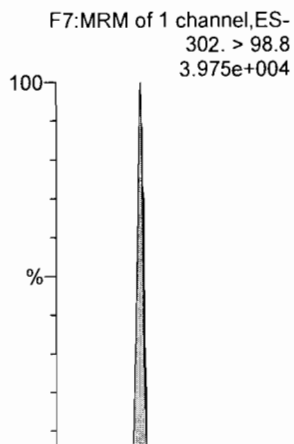

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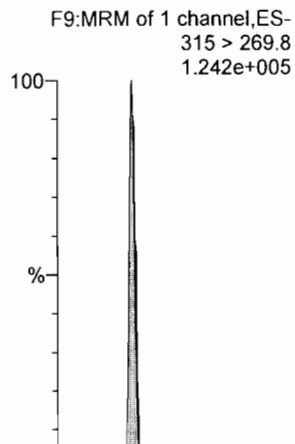

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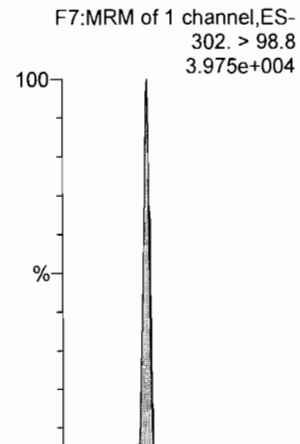

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Last Altered: Wednesday, January 31, 2018 10:54:12 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:54:32 Pacific Standard Time

Name: 180130M2_40, Date: 30-Jan-2018, Time: 19:00:38, ID: ST180130M2-11 PFC CS3 18A1909, Description: PFC CS3 18A1909

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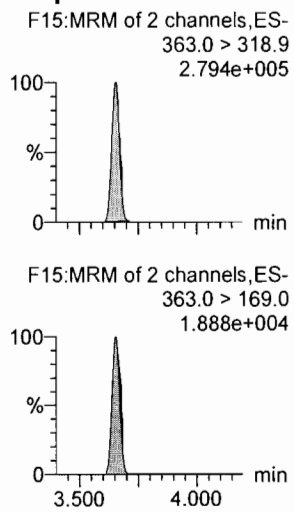
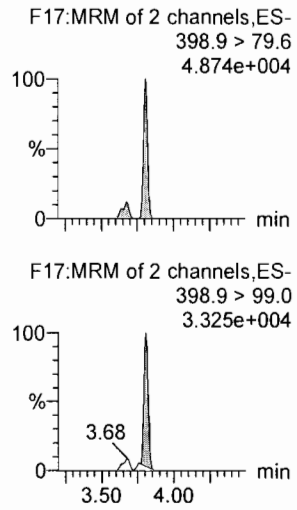


L-PFHxS



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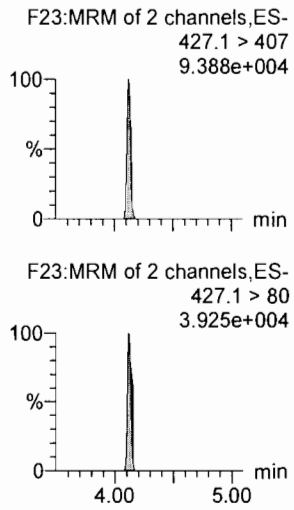

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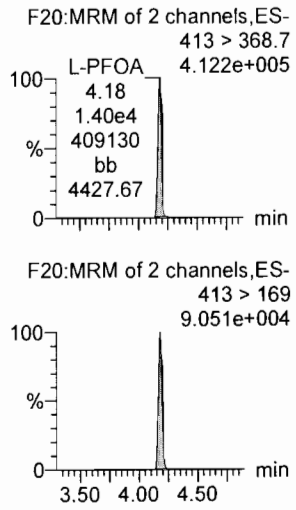

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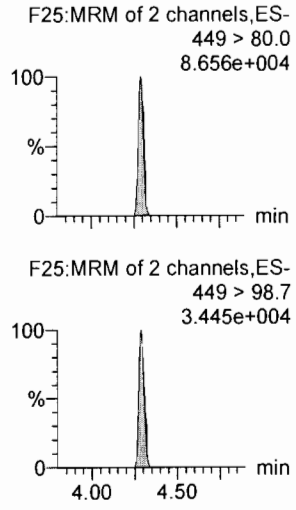

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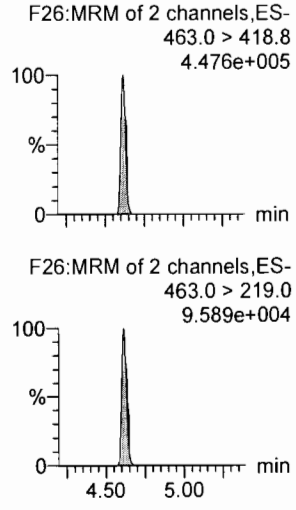
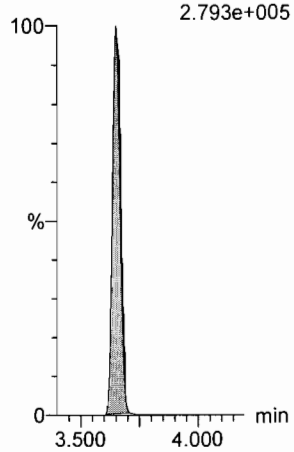
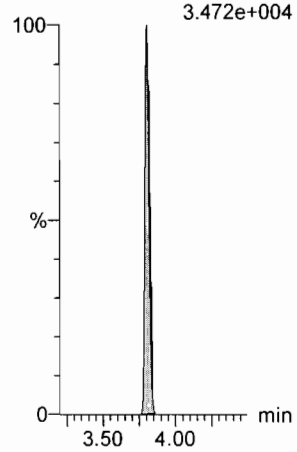


13C4-PFHpA



18O2-PFHxS



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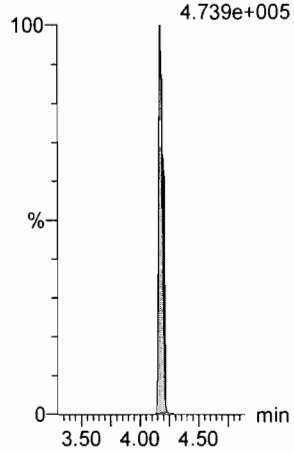

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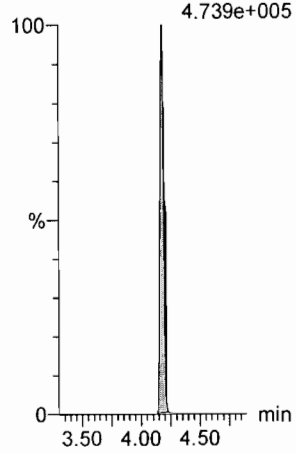
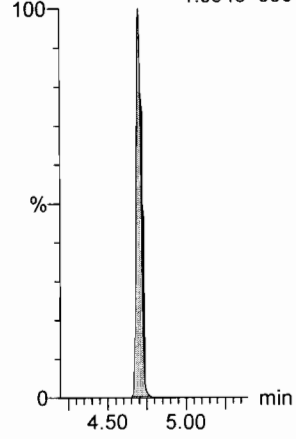


13C8-PFOS



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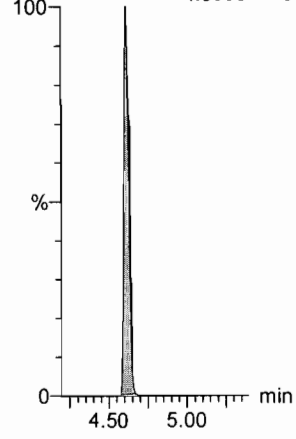

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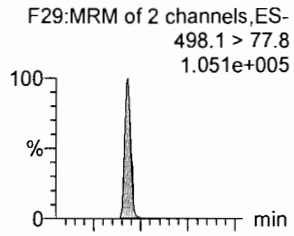
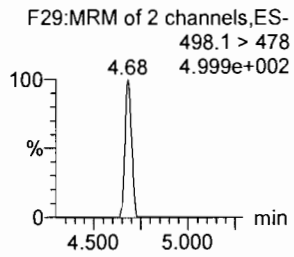
Last Altered: Wednesday, January 31, 2018 10:54:12 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:54:32 Pacific Standard Time

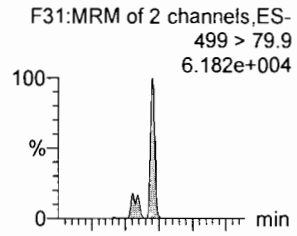
Name: 180130M2_40, Date: 30-Jan-2018, Time: 19:00:38, ID: ST180130M2-11 PFC CS3 18A1909, Description: PFC CS3 18A1909

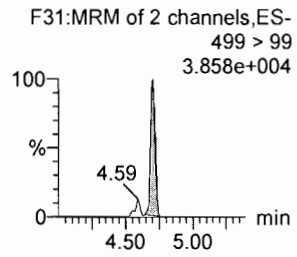
PFOSA



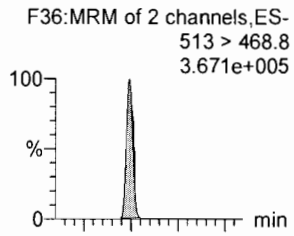


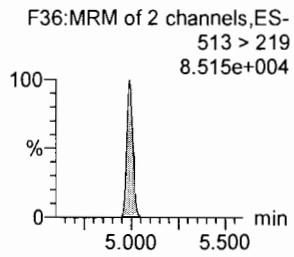
L-PFOS





PFDA





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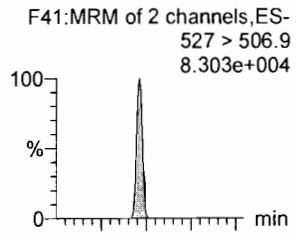

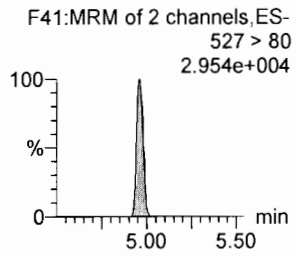

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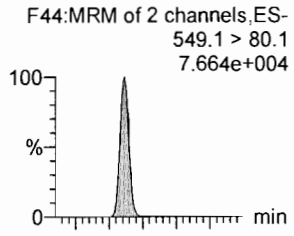

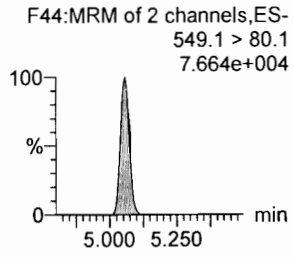

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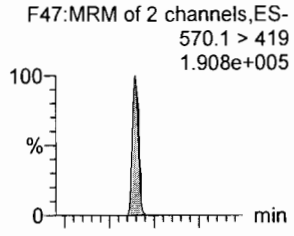
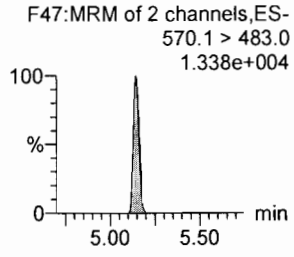
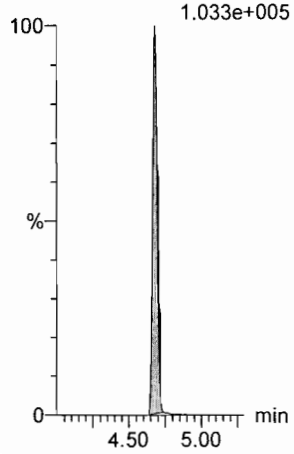
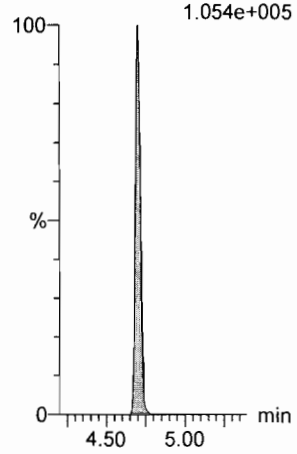




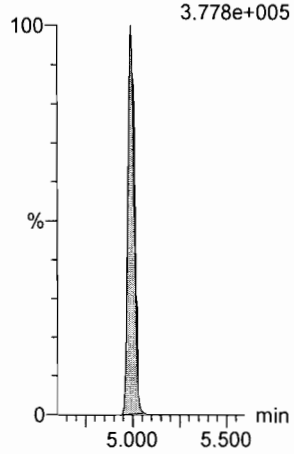
13C8-PFOSA



13C8-PFOS



13C2-PFDA



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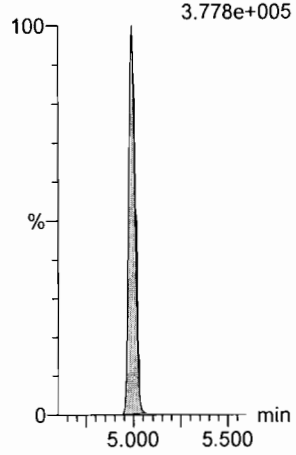

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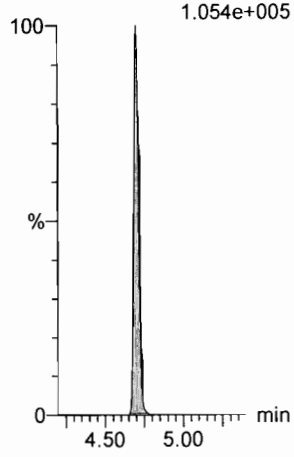

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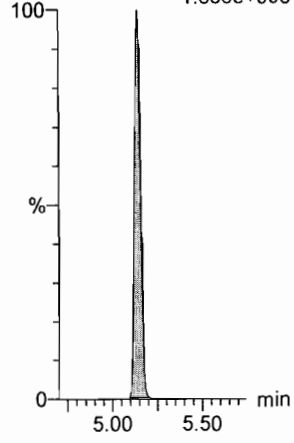

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Printed: Wednesday, January 31, 2018 10:54:32 Pacific Standard Time

Name: 180130M2_40, Date: 30-Jan-2018, Time: 19:00:38, ID: ST180130M2-11 PFC CS3 18A1909, Description: PFC CS3 18A1909

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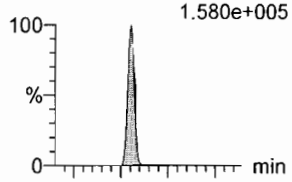

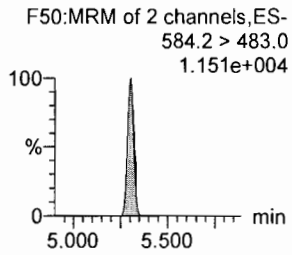

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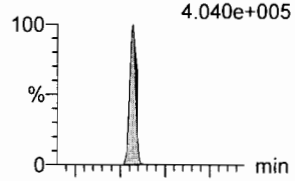

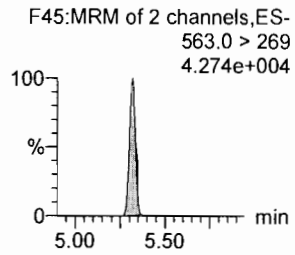

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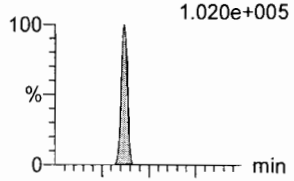

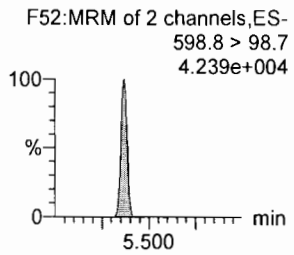

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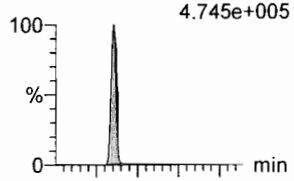

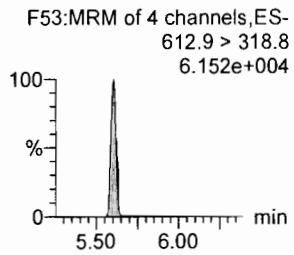

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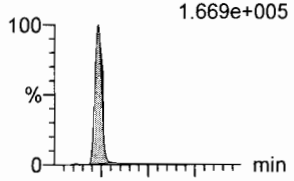

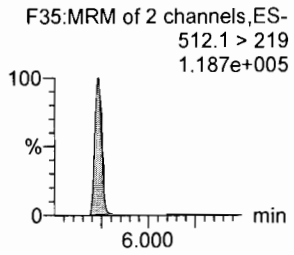

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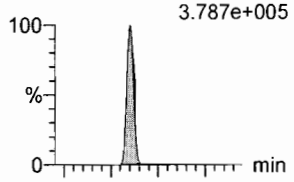

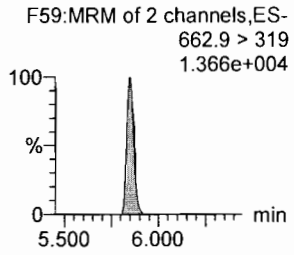

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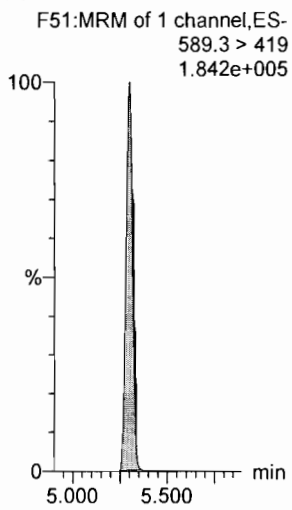

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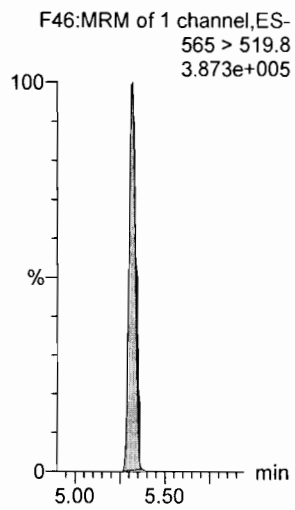

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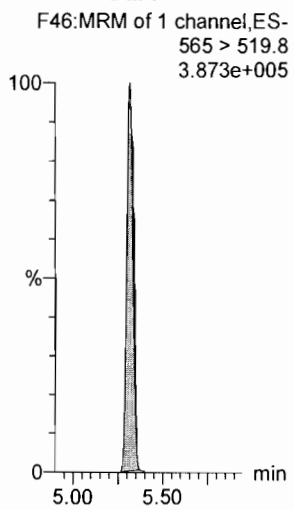

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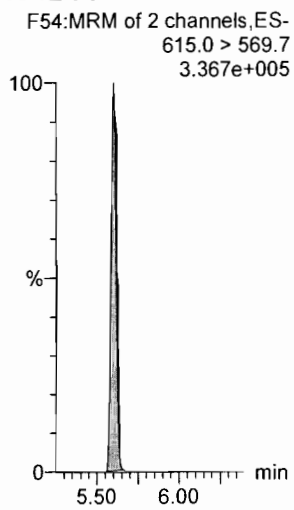

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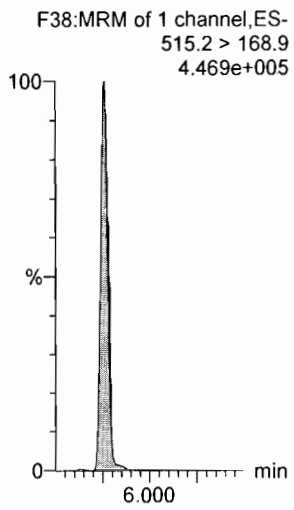
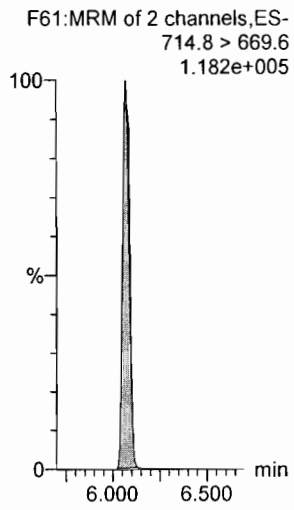


13C2-PFTeDA

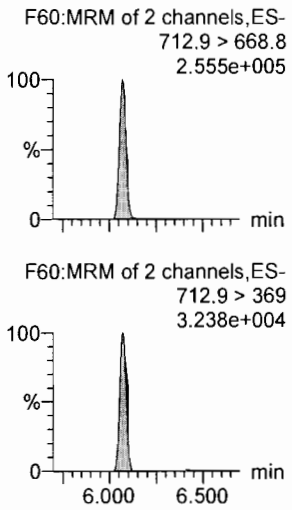


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-40.qld

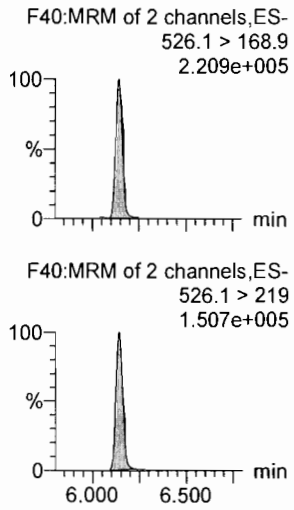
Last Altered: Wednesday, January 31, 2018 10:54:12 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:54:32 Pacific Standard Time

Name: 180130M2_40, Date: 30-Jan-2018, Time: 19:00:38, ID: ST180130M2-11 PFC CS3 18A1909, Description: PFC CS3 18A1909

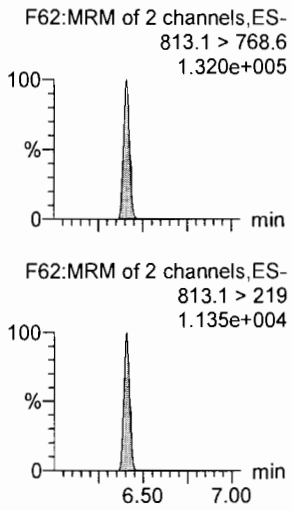
PFTeDA



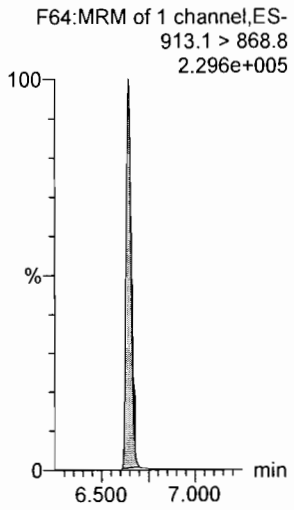
N-EtFOSA



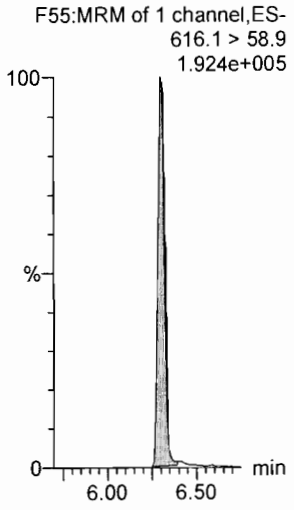
PFHxDA



PFODA



N-MeFOSE



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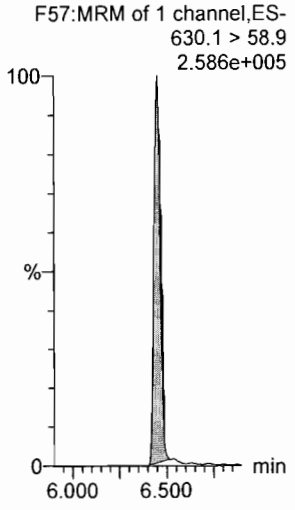
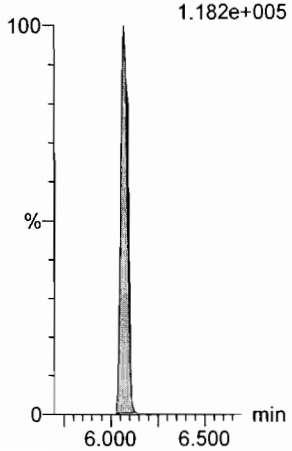
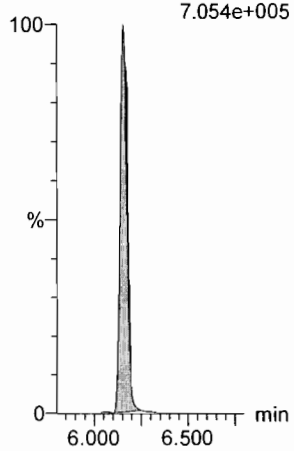


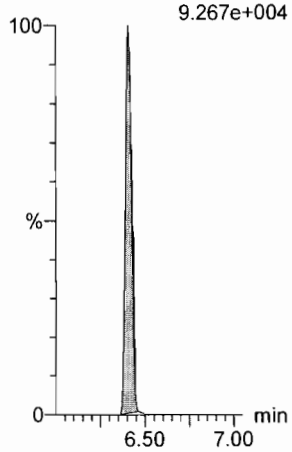
13C2-PFTeDA



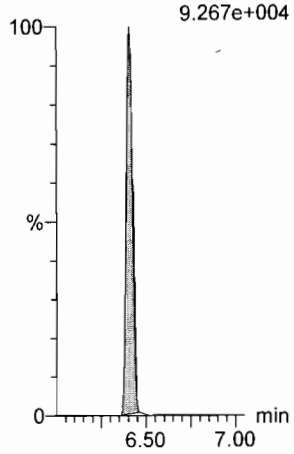
d5-N-ETFOSA



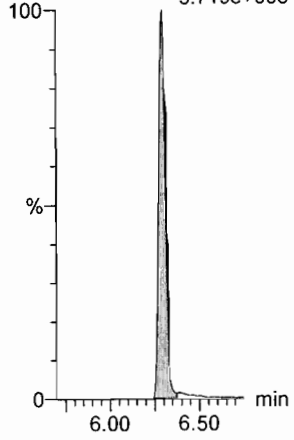
13C2-PFHxDA



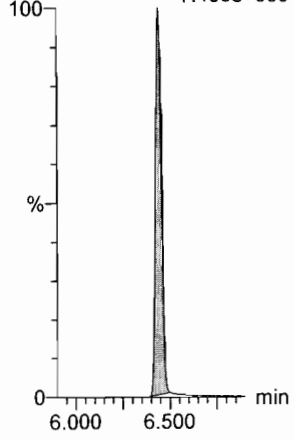
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

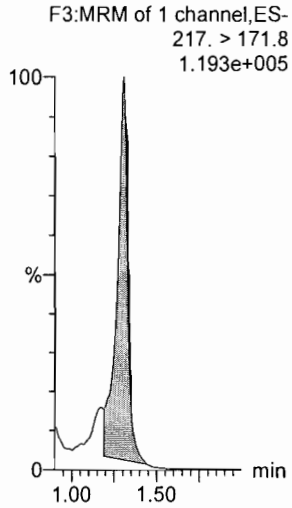


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-40.qld

Last Altered: Wednesday, January 31, 2018 10:54:12 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:54:32 Pacific Standard Time

Name: 180130M2_40, Date: 30-Jan-2018, Time: 19:00:38, ID: ST180130M2-11 PFC CS3 18A1909, Description: PFC CS3 18A1909

13C4-PFBA



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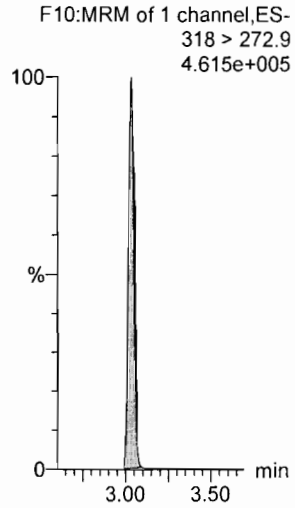
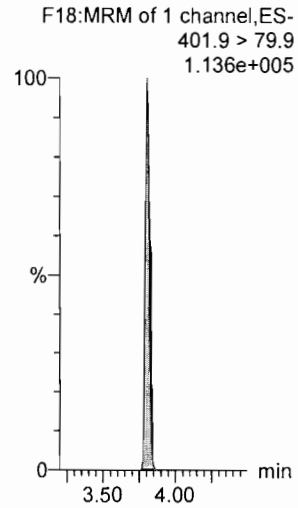
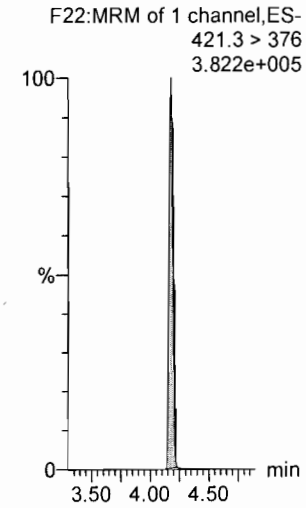


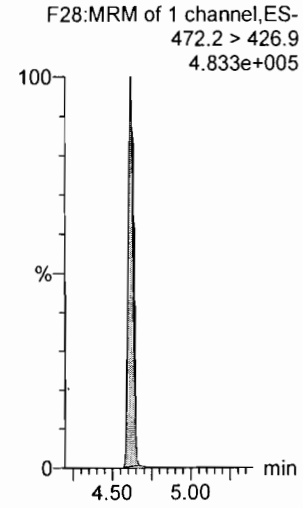
13C3-PFHxS



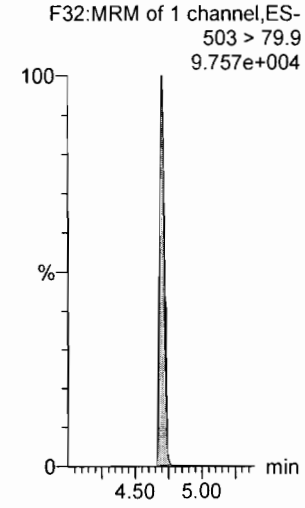
13C8-PFOA



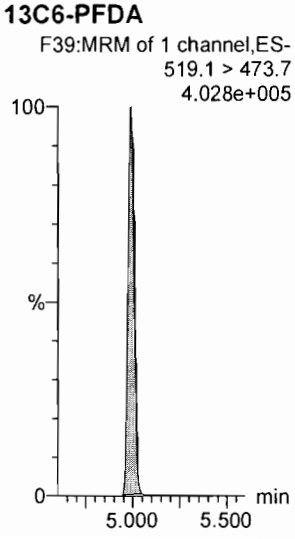
13C9-PFNA



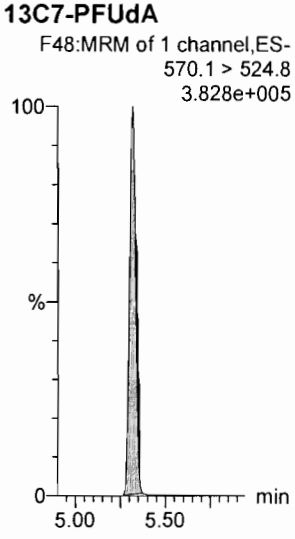
13C4-PFOS



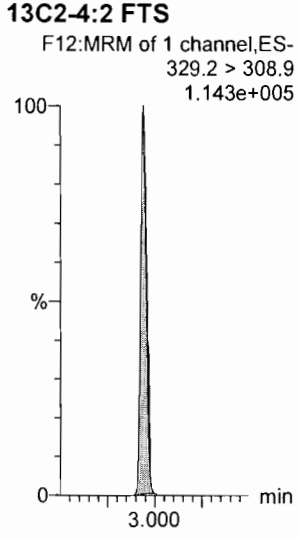
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS



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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-60.qld

Last Altered: Wednesday, January 31, 2018 11:07:35 Pacific Standard Time
Printed: Wednesday, January 31, 2018 11:07:41 Pacific Standard Time

AC 1/31/18
JA 01/31/2018

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

	#	Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.0 > 168.8	7.15e2	8.58e3		1.0000	1.29	1.32	1.04	0.9322	93.2
2	2	PFPeA	263.1 > 218.9	1.21e3	1.47e4		1.0000	2.27	2.27	1.03	0.9784	97.8
3	3	PFBS	299.0 > 79.7	2.74e2	1.91e3		1.0000	2.56	2.55	1.80	0.9550	95.5
4	4	4:2 FTS	327.2>307.2	2.36e2	1.91e3		1.0000	2.93	2.95	1.55	0.8236	82.4
5	5	PFHxA	313.2 > 268.9	1.44e3	4.06e3		1.0000	3.05	3.04	1.77	1.014	101.4
6	6	PFPeS	349.1>80.1	2.58e2	1.91e3		1.0000	3.23	3.25	1.69	0.7542	75.4
7	7	PFHpA	363.0 > 318.9	1.26e3	1.14e4		1.0000	3.68	3.66	1.38	1.063	106.3
8	8	L-PFHxS	398.9 > 79.6	2.30e2	1.35e3		1.0000	3.80	3.81	2.13	1.137	113.7
9	10	6:2 FTS	427.1 > 407	4.11e2	1.80e4		1.0000	4.15	4.13	0.286	1.208	120.8
10	11	L-PFOA	413 > 368.7	1.50e3	1.80e4		1.0000	4.20	4.18	1.04	0.9209	92.1
11	13	PFHpS	449 > 80.0	3.02e2	3.86e3		1.0000	4.30	4.29	0.980	1.054	105.4
12	14	PFNA	463.0 > 418.8	1.52e3	1.52e4		1.0000	4.65	4.62	1.25	0.8878	88.8
13	15	PFOSA	498.1 > 77.8	3.50e2	3.88e3		1.0000	4.70	4.69	1.13	1.062	106.2
14	16	L-PFOS	499 > 79.9	3.39e2	3.86e3		1.0000	4.75	4.70	1.10	1.175	117.5
15	18	PFDA	513 > 468.8	1.84e3	1.58e4		1.0000	5.03	4.99	1.45	1.048	104.8
16	19	8:2 FTS	527 > 506.9	2.31e2	1.58e4		1.0000	5.00	4.97	0.182	0.7901	79.0
17	20	PFNS	549.1>80.1	3.10e2	3.86e3		1.0000	5.05	5.06	1.01	1.055	105.5
18	21	N-MeFOSAA	570.1 > 419	6.42e2	6.17e3		1.0000	5.20	5.15	1.30	0.8545	85.4
19	22	N-EtFOSAA	584.2 > 419	5.01e2	7.58e3		1.0000	5.30	5.30	0.826	0.7351	73.5
20	23	PFUdA	563.0 > 518.9	1.31e3	1.92e4		1.0000	5.36	5.32	0.854	0.7022	70.2
21	24	PFDS	598.8 > 80	3.53e2	1.92e4		1.0000	5.40	5.37	0.229	0.8847	88.5
22	25	PFDoA	612.9 > 569.0	1.84e3	1.43e4		1.0000	5.65	5.60	1.61	1.045	104.5
23	26	N-MeFOSA	512.1 > 168.9	7.70e2	1.95e4		1.0000	5.70	5.74	5.91	5.646	112.9
24	27	PFTrDA	662.9 > 618.9	1.74e3	5.40e3		1.0000	5.90	5.85	4.04	1.026	102.6
25	28	PFTeDA	712.9 > 668.8	9.36e2	5.40e3		1.0000	6.12	6.07	2.17	0.8220	82.2
26	29	N-EtFOSA	526.1 > 168.9	9.68e2	3.05e4		1.0000	6.12	6.15	4.76	5.181	103.6
27	30	PFHxDA	813.1 > 768.6	5.33e2	3.45e3		1.0000	6.46	6.41	0.773	1.149	114.9
28	31	PFODA	913.1 > 868.8	7.43e2	3.45e3		1.0000	6.70	6.64	1.08	1.282	128.2
29	32	N-MeFOSE	616.1 > 58.9	8.62e2	2.72e4		1.0000	6.31	6.30	4.76	4.881	97.6
30	33	N-EtFOSE	630.1 > 58.9	1.12e3	2.28e4		1.0000	6.45	6.45	7.35	6.274	125.5
31	34	13C3-PFBA	216.1 > 171.8	8.58e3	9.88e3	0.842	1.0000	1.30	1.31	10.9	12.90	103.2

70-130

50-150

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-60.qld

Last Altered: Wednesday, January 31, 2018 11:07:35 Pacific Standard Time
Printed: Wednesday, January 31, 2018 11:07:41 Pacific Standard Time

Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

	#	Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C3-PFPeA	266. > 221.8	1.47e4	1.52e4	0.870	1.0000	2.27	2.27	12.1	13.88	111.1
33	36	13C3-PFBS	302. > 98.8	1.91e3	1.52e4	0.109	1.0000	2.56	2.55	1.56	14.33	114.6
34	37	13C2-PFHxA	315 > 269.8	4.06e3	1.52e4	0.684	1.0000	3.05	3.04	3.33	4.875	97.5
35	38	13C4-PFHpA	367.2 > 321.8	1.14e4	1.52e4	0.732	1.0000	3.68	3.66	9.32	12.72	101.8
36	39	18O2-PFHxS	403.0 > 102.6	1.35e3	3.89e3	0.318	1.0000	3.80	3.81	4.35	13.65	109.2
37	40	13C2-6:2 FTS	429.1 > 408.9	3.68e3	1.39e4	0.263	1.0000	4.15	4.13	3.32	12.61	100.9
38	41	13C2-PFOA	414.9 > 369.7	1.80e4	1.39e4	1.120	1.0000	4.20	4.18	16.2	14.46	115.7
39	42	13C5-PFNA	468.2 > 422.9	1.52e4	1.43e4	0.921	1.0000	4.65	4.62	13.3	14.45	115.6
40	43	13C8-PFOSA	506.1 > 77.7	3.88e3	1.62e4	0.245	1.0000	4.70	4.69	3.00	12.24	97.9
41	44	13C8-PFOS	507.0 > 79.9	3.86e3	4.10e3	1.034	1.0000	4.75	4.70	11.8	11.39	91.1
42	45	13C2-PFDA	515.1 > 469.9	1.58e4	1.44e4	1.080	1.0000	5.03	4.99	13.7	12.73	101.9
43	46	13C2-8:2 FTS	529.1 > 508.7	1.96e3	1.52e4	0.165	1.0000	5.00	4.96	1.61	9.762	78.1
44	47	d3-N-MeFOSAA	573.3 > 419	6.17e3	1.62e4	0.398	1.0000	5.20	5.15	4.77	11.98	95.9
45	48	d5-N-EtFOSAA	589.3 > 419	7.58e3	1.62e4	0.425	1.0000	5.30	5.30	5.86	13.80	110.4
46	49	13C2-PFUdA	565 > 519.8	1.92e4	1.62e4	1.047	1.0000	5.36	5.32	14.9	14.20	113.6
47	50	13C2-PFDoA	615.0 > 569.7	1.43e4	1.62e4	0.805	1.0000	5.65	5.60	11.1	13.74	109.9
48	51	d3-N-MeFOSA	515.2 > 168.9	1.95e4	1.62e4	0.104	1.0000	5.70	5.76	15.1	145.8	97.2
49	52	13C2-PFTeDA	714.8 > 669.6	5.40e3	1.62e4	0.367	1.0000	6.12	6.07	4.17	11.37	91.0
50	53	d5-N-ETFOSA	531.1 > 168.9	3.05e4	1.62e4	0.155	1.0000	6.25	6.16	23.6	152.3	101.5
51	54	13C2-PFHxDA	815 > 769.7	3.45e3	1.62e4	0.721	1.0000	6.46	6.41	2.66	3.692	73.8
52	55	d7-N-MeFOSE	623.1 > 58.9	2.72e4	1.62e4	0.143	1.0000	6.31	6.29	21.0	147.3	98.2
53	56	d9-N-EtFOSE	639.2 > 58.8	2.28e4	1.62e4	0.133	1.0000	6.12	6.44	17.7	133.1	88.7
54	57	13C4-PFBA	217. > 171.8	9.88e3	9.88e3	1.000	1.0000	1.30	1.31	12.5	12.50	100.0
55	58	13C5-PFHxA	318 > 272.9	1.52e4	1.52e4	1.000	1.0000	3.05	3.04	12.5	12.50	100.0
56	59	13C3-PFHxS	401.9 > 79.9	3.89e3	3.89e3	1.000	1.0000	3.80	3.81	12.5	12.50	100.0
57	60	13C8-PFOA	421.3 > 376	1.39e4	1.39e4	1.000	1.0000	4.20	4.18	12.5	12.50	100.0
58	61	13C9-PFNA	472.2 > 426.9	1.43e4	1.43e4	1.000	1.0000	4.65	4.62	12.5	12.50	100.0
59	62	13C4-PFOS	503 > 79.9	4.10e3	4.10e3	1.000	1.0000	4.60	4.70	12.5	12.50	100.0
60	63	13C6-PFDA	519.1 > 473.7	1.44e4	1.44e4	1.000	1.0000	5.03	4.99	12.5	12.50	100.0
61	64	13C7-PFUdA	570.1 > 524.8	1.62e4	1.62e4	1.000	1.0000	5.36	5.32	12.5	12.50	100.0
62	72	13C2-4:2 FTS	329.2>308.9	3.86e3	1.52e4	0.275	1.0000	2.93	2.95	3.17	11.54	92.3

50-150

50-150

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Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Compound name: PFBA

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1	180130M2_1	IPA	30-Jan-18	11:33:07
2	180130M2_2	ST180130M2-1 PFC CS-2 18A1904	30-Jan-18	11:44:38
3	180130M2_3	ST180130M2-2 PFC CS-1 18A1905	30-Jan-18	11:56:07
4	180130M2_4	ST180130M2-3 PFC CS0 18A1906	30-Jan-18	12:07:36
5	180130M2_5	ST180130M2-4 PFC CS1 18A1907	30-Jan-18	12:19:06
6	180130M2_6	ST180130M2-5 PFC CS2 18A1908	30-Jan-18	12:30:35
7	180130M2_7	ST180130M2-6 PFC CS3 18A1909	30-Jan-18	12:42:05
8	180130M2_8	ST180130M2-7 PFC CS4 18A1910	30-Jan-18	12:53:35
9	180130M2_9	ST180130M2-8 PFC CS5 18A1911	30-Jan-18	13:05:04
10	180130M2_10	ST180130M2-9 PFC CS6 18A2403	30-Jan-18	13:16:34
11	180130M2_11	ST180130M2-10 PFC CS7 18A2404	30-Jan-18	13:28:04
12	180130M2_12	IPA	30-Jan-18	13:39:34
13	180130M2_13	ICV180130M2-1 PFC ICV 18A1903	30-Jan-18	13:51:03
14	180130M2_14	IPA	30-Jan-18	14:02:33
15	180130M2_15	1800188-02 REEPDW133FRB 0.11579	30-Jan-18	14:14:05
16	180130M2_16	1800204-03 REEPDW137 0.11904	30-Jan-18	14:25:29
17	180130M2_17	1800204-07 REEPDW513 0.11719	30-Jan-18	14:36:56
18	180130M2_18	B8A0173-BLK1 Method Blank 0.125	30-Jan-18	14:48:23
19	180130M2_19	B8A0173-BS1 OPR 0.125	30-Jan-18	14:59:50
20	180130M2_20	B8A0173-BS2 OPR 0.125	30-Jan-18	15:11:16
21	180130M2_21	B8A0173-BS3 OPR 0.125	30-Jan-18	15:22:44
22	180130M2_22	B8A0173-BS4 OPR 0.125	30-Jan-18	15:34:10
23	180130M2_23	B8A0070-BS1 OPR 0.25	30-Jan-18	15:45:37
24	180130M2_24	B8A0070-BLK1 Method Blank 0.25	30-Jan-18	15:57:07
25	180130M2_25	1800010-01 PFAS Ground Water_Surface Wate...	30-Jan-18	16:08:37
26	180130M2_26	IPA	30-Jan-18	16:20:04
27	180130M2_27	B8A0054-BS1 OPR 1	30-Jan-18	16:31:30
28	180130M2_28	B8A0054-BLK1 Method Blank 1	30-Jan-18	16:42:57
29	180130M2_29	1800011-01 PFAS in Soil Lot#122917C2 1	30-Jan-18	16:54:27
30	180130M2_30	B8A0115-MS1 Matrix Spike 0.25673	30-Jan-18	17:05:57
31	180130M2_31	B8A0115-MSD1@10X Matrix Spike Dup 0.25042	30-Jan-18	17:17:24

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

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32	180130M2_32	1800121-02 EB01-20180115 0.25066	30-Jan-18	17:28:54
33	180130M2_33	1800121-04 IRSite5-GW-05W06-20180115 0.2...	30-Jan-18	17:40:22
34	180130M2_34	1800121-06 IRSite5-GW-05W01-20180115 0.2...	30-Jan-18	17:51:52
35	180130M2_35	1800121-07 IRSite5-GW-05W03-20180115 0.2...	30-Jan-18	18:03:22
36	180130M2_36	1800121-08 UXOSite14-GW-DPW79A-2018011...	30-Jan-18	18:14:48
37	180130M2_37	1800121-09 UXOSite14-GW-DPW78A-2018011...	30-Jan-18	18:26:15
38	180130M2_38	1800121-10 UXOSite14-GW-DPW77A-2018011...	30-Jan-18	18:37:42
39	180130M2_39	IPA	30-Jan-18	18:49:09
40	180130M2_40	ST180130M2-11 PFC CS3 18A1909	30-Jan-18	19:00:38
41	180130M2_41	IPA	30-Jan-18	19:12:08
42	180130M2_42	1800121-11 IRSite1-GW-01W48A -20180115 0....	30-Jan-18	19:23:37
43	180130M2_43	1800121-12 IRSite1-GW-01W49A- 20180115 0....	30-Jan-18	19:35:04
44	180130M2_44	1800121-13 IRSite1-GW-01W13A- 20180115 0....	30-Jan-18	19:46:34
45	180130M2_45	1800121-14 DUP01-20180115 0.26578	30-Jan-18	19:58:03
46	180130M2_46	1800132-14 PITTS-EB-011118-1400 0.12081	30-Jan-18	20:09:34
47	180130M2_47	B8A0140-BS1 OPR 0.25	30-Jan-18	20:21:00
48	180130M2_48	B8A0140-BSD1 LCSD 0.25	30-Jan-18	20:32:30
49	180130M2_49	B8A0140-BLK1 Method Blank 0.25	30-Jan-18	20:44:00
50	180130M2_50	1800127-01 EB02-20180116 0.27074	30-Jan-18	20:55:29
51	180130M2_51	1800127-02 IRSite1-GW-01W53A-20180116 0....	30-Jan-18	21:06:58
52	180130M2_52	1800127-03 IRSite1-GW-MW80A-20180116 0.2...	30-Jan-18	21:18:25
53	180130M2_53	1800127-04 IRSite1-GW-01W28B-20180116 0....	30-Jan-18	21:29:51
54	180130M2_54	1800127-05 IRSite1-GW-01W38AR-20180116 ...	30-Jan-18	21:41:18
55	180130M2_55	1800127-06 IRSite1-GW-MW86A-20180116 0.2...	30-Jan-18	21:52:45
56	180130M2_56	1800127-07 IRSite1-GW-MW85A-20180116 0.2...	30-Jan-18	22:04:12
57	180130M2_57	1800127-08 DUP02-20180116 0.25425	30-Jan-18	22:15:39
58	180130M2_58	1800127-09 IRSite1-GW-MW82A-20180116 0.2...	30-Jan-18	22:27:06
59	180130M2_59	IPA	30-Jan-18	22:38:33
60	180130M2_60	ST180130M2-12 PFC CS0 18A1906	30-Jan-18	22:50:01
61	180130M2_61	IPA	30-Jan-18	23:01:30
62	180130M2_62	1800139-01 LH-TAP 0.27467	30-Jan-18	23:13:00
63	180130M2_63	1800139-02 LH-RAW 0.27394	30-Jan-18	23:24:27
64	180130M2_64	1701953-01@10X CV-Dup09-20171213 0.2568	30-Jan-18	23:35:57
65	180130M2_65	1701953-10@10X SA-PZ118S-20171213 0.235...	30-Jan-18	23:47:26

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Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

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66	180130M2_66	IPA	30-Jan-18	23:58:55
67	180130M2_67	B7L0136-BLK1 Method Blank 0.0075	31-Jan-18	00:10:22
68	180130M2_68	B7L0136-BS1 OPR 0.0075	31-Jan-18	00:21:50
69	180130M2_69	B7L0136-BS2 OPR 0.0075	31-Jan-18	00:33:19
70	180130M2_70	B7L0136-BS3 OPR 0.0075	31-Jan-18	00:44:49
71	180130M2_71	B7L0136-BS4 OPR 0.0075	31-Jan-18	00:56:18
72	180130M2_72	B7L0140-BS1 OPR 0.0075	31-Jan-18	01:07:47
73	180130M2_73	B7L0140-BSD1 LCSD 0.0075	31-Jan-18	01:19:13
74	180130M2_74	B7L0140-BLK1 Method Blank 0.0075	31-Jan-18	01:30:42
75	180130M2_75	1701882-02RE1 WI-A06-6-I-01-1217-TOP 0.0075	31-Jan-18	01:42:11
76	180130M2_76	1701882-04RE1 WI-A06-EB01-120517-TOP 0....	31-Jan-18	01:53:42
77	180130M2_77	1701882-06RE1 WI-A06-EB02-120517-TOP 0....	31-Jan-18	02:05:12
78	180130M2_78	1701882-08RE1 WI-A06-EFF01-1217-TOP 0.0...	31-Jan-18	02:16:41
79	180130M2_79	1701882-10RE1 WI-A06-EFF01P-1217-TOP 0....	31-Jan-18	02:28:08
80	180130M2_80	1701882-12RE1 WI-A06-INF01-1217-TOP 0.00...	31-Jan-18	02:39:37
81	180130M2_81	1701882-14RE1 WI-A06-P-4-1217-TOP 0.0075	31-Jan-18	02:51:06
82	180130M2_82	1701882-16RE1 WI-A06-6-I-03-1217-TOP 0.0075	31-Jan-18	03:02:33
83	180130M2_83	IPA	31-Jan-18	03:14:03
84	180130M2_84	ST180130M2-13 PFC CS3 18A1909	31-Jan-18	03:25:32
85	180130M2_85	IPA	31-Jan-18	03:37:02
86	180130M2_86	B8A0165-BS1 OPR 0.25	31-Jan-18	03:48:35
87	180130M2_87	B8A0165-BSD1 LCSD 0.25	31-Jan-18	03:59:59
88	180130M2_88	B8A0165-BLK1 Method Blank 0.25	31-Jan-18	04:11:26
89	180130M2_89	1800186-01 REEPDW132 0.12041	31-Jan-18	04:22:53
90	180130M2_90	1800186-02 REEPDW133 0.12113	31-Jan-18	04:34:22
91	180130M2_91	1800186-03 REEPDW134 0.12099	31-Jan-18	04:45:52
92	180130M2_92	1800196-01 GW1519180119RAP 0.26117	31-Jan-18	04:57:21
93	180130M2_93	1800196-02 GW2529180119RAP 0.26519	31-Jan-18	05:08:48
94	180130M2_94	1800196-03 GW3539180119RAP 0.26249	31-Jan-18	05:20:17
95	180130M2_95	1800207-01 SPLP Solution #1	31-Jan-18	05:31:47
96	180130M2_96	1800207-02 SPLP Solution #2	31-Jan-18	05:43:14
97	180130M2_97	1800207-03 TCLP Solution #1 0.12117	31-Jan-18	05:54:41
98	180130M2_98	1800207-04 TCLP Solution #2 0.12163	31-Jan-18	06:06:08
99	180130M2_99	IPA	31-Jan-18	06:17:37

Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 12:54:14 Pacific Standard Time
Printed: Wednesday, January 31, 2018 12:54:34 Pacific Standard Time

Compound name: PFBA

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102	180130M2_102	B8A0119-BS1 OPR 1	31-Jan-18	06:52:05
103	180130M2_103	B8A0119-BLK1 Method Blank 1	31-Jan-18	07:03:32
104	180130M2_104	B8A0119-MS1 Matrix Spike 1.23	31-Jan-18	07:14:59
105	180130M2_105	B8A0119-MSD1 Matrix Spike Dup 1.13	31-Jan-18	07:26:25
106	180130M2_106	1800098-01 MINNE-09-SB01-010818-00-02 1.16	31-Jan-18	07:37:52
107	180130M2_107	1800098-02 MINNE-09-SB01-010818-16-18 1.17	31-Jan-18	07:49:22
108	180130M2_108	1800098-03 MINNE-09-SB03-010818-01-02 1.21	31-Jan-18	08:00:51
109	180130M2_109	1800098-04 MINNE-09-SB03-010818-15-17 1.13	31-Jan-18	08:12:21
110	180130M2_110	1800098-05 MINNE-10-SB01-010818-00-02 1.3	31-Jan-18	08:23:50
111	180130M2_111	1800098-06 MINNE-10-SB01-010818-09-11 1.13	31-Jan-18	08:35:17
112	180130M2_112	1800098-07 MINNE-10-SB03-010818-00-02 1.29	31-Jan-18	08:46:43
113	180130M2_113	1800098-08 MINNE-10-SB03-010818-15-16 1.22	31-Jan-18	08:58:11
114	180130M2_114	1800098-09 MINNE-10-SB04-010818-01-02 1.16	31-Jan-18	09:09:38
115	180130M2_115	1800098-11 MINNE-SO-DUP01-010818 1.18	31-Jan-18	09:21:06
116	180130M2_116	IPA	31-Jan-18	09:32:33
117	180130M2_117	ST180130M2-15 PFC CS0 18A1906	31-Jan-18	09:44:03
118	180130M2_118	IPA	31-Jan-18	09:55:31
119	180130M2_119	1800098-12 MINNE-SO-DUP02-010818 1.13	31-Jan-18	10:07:01
120	180130M2_120	1800099-01 MINNE-08-SB03-010818-01-02 1.16	31-Jan-18	10:20:17
121	180130M2_121	1800099-02 MINNE-08-SB03-010818-15-17 1.17	31-Jan-18	10:31:40
122	180130M2_122	1800099-03 MINNE-10-SB02-010918-00-02 1.11	31-Jan-18	10:43:07
123	180130M2_123	1800099-04 MINNE-10-SB02-010918-15-17 1.15	31-Jan-18	10:54:34
124	180130M2_124	1800099-05 MINNE-10-SB04-010818-16-18 1.18	31-Jan-18	11:06:01
125	180130M2_125	IPA	31-Jan-18	11:17:30
126	180130M2_126	B8A0148-BS1 OPR 1	31-Jan-18	11:28:58
127	180130M2_127	B8A0148-BLK1 Method Blank 1	31-Jan-18	11:40:29
128	180130M2_128	1800193-01 CANGPFOS20180122 1.11	31-Jan-18	11:51:57
129	180130M2_129	IPA	31-Jan-18	12:03:26
130	180130M2_130	ST180130M2-16 PFC CS3 18A1909	31-Jan-18	12:14:57
131	180130M2_131	IPA	31-Jan-18	12:26:23

Vista Analytical Laboratory

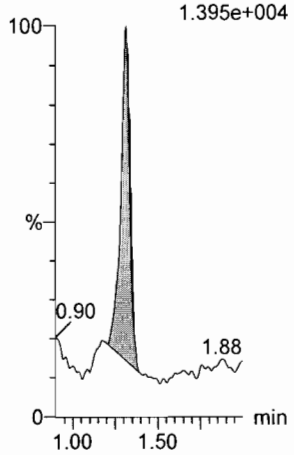
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-60.qld

Last Altered: Wednesday, January 31, 2018 11:07:35 Pacific Standard Time
Printed: Wednesday, January 31, 2018 11:07:41 Pacific Standard Time

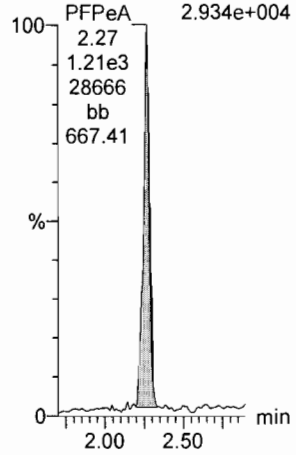
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

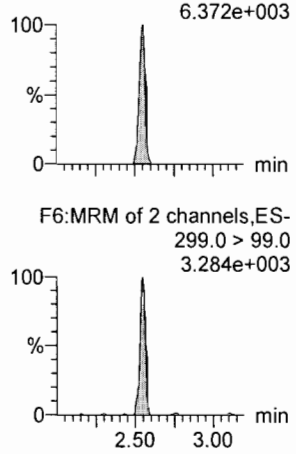
PFBA



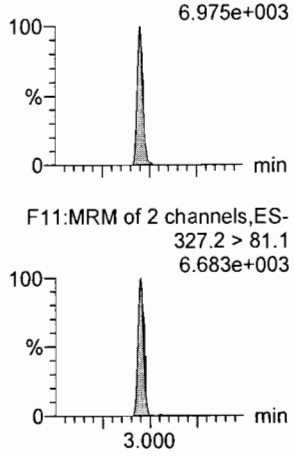
PFPeA



PFBS



4:2 FTS



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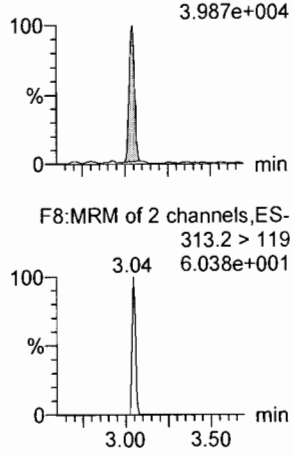
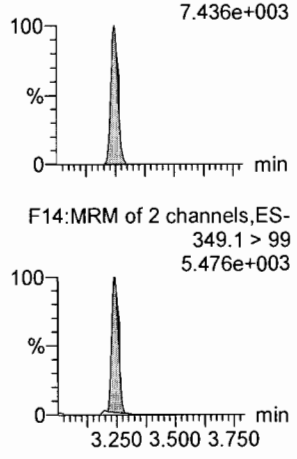


PFPeS



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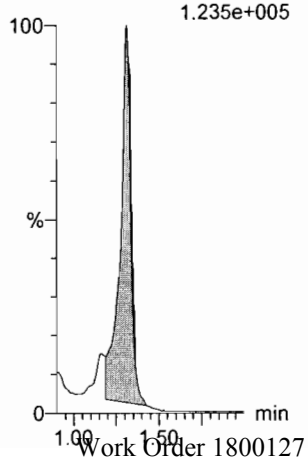

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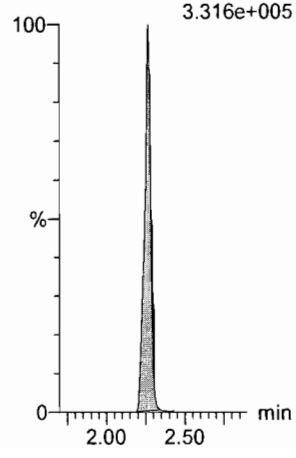

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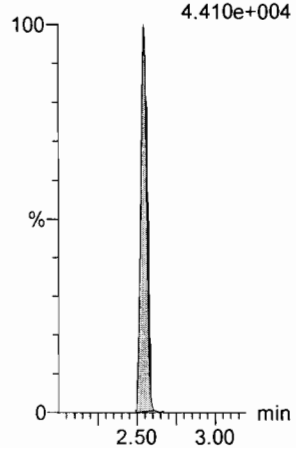

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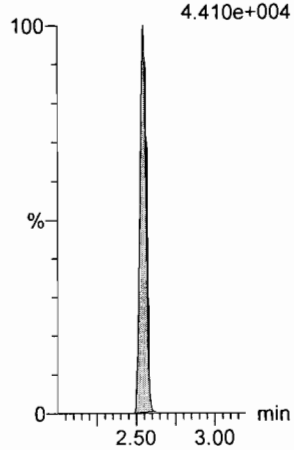

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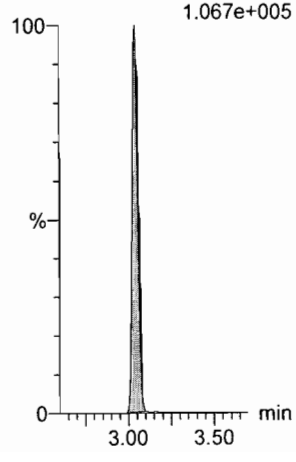

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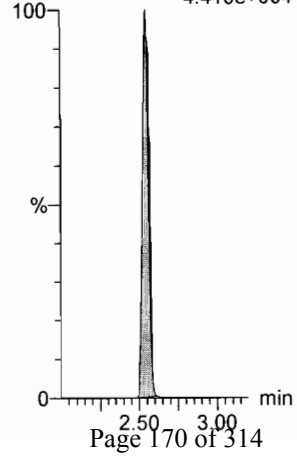
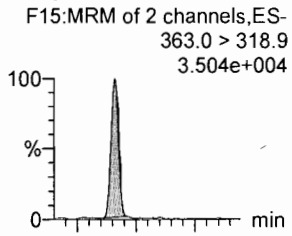


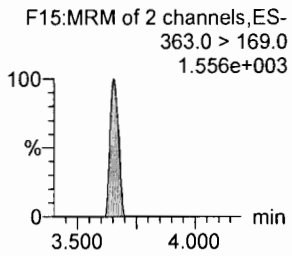
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-60.qld

Last Altered: Wednesday, January 31, 2018 11:07:35 Pacific Standard Time
Printed: Wednesday, January 31, 2018 11:07:41 Pacific Standard Time

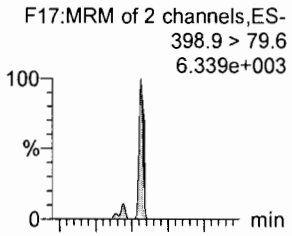
Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

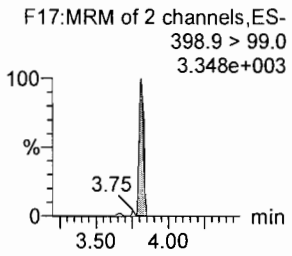
PFHpA



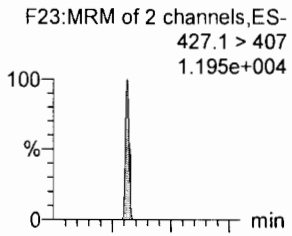


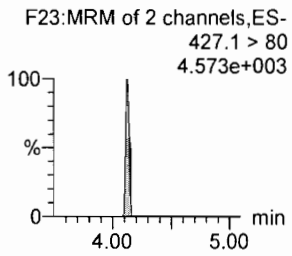
L-PFHxS





6:2 FTS





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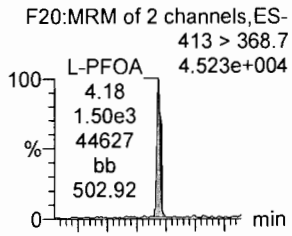

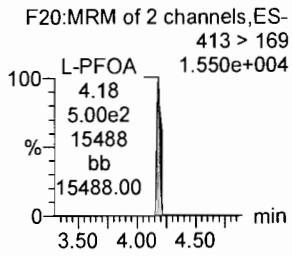

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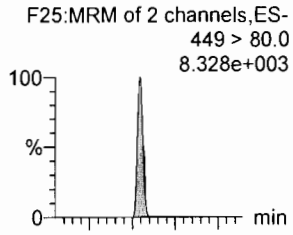

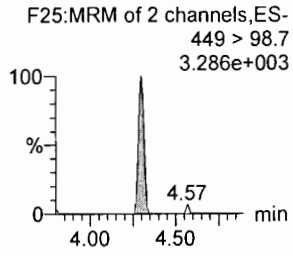

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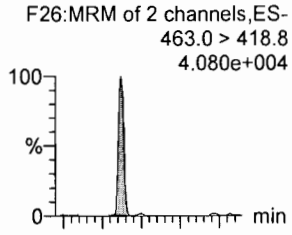

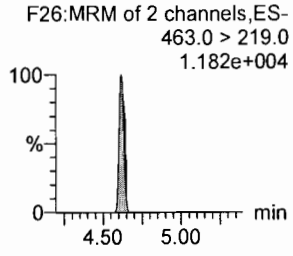

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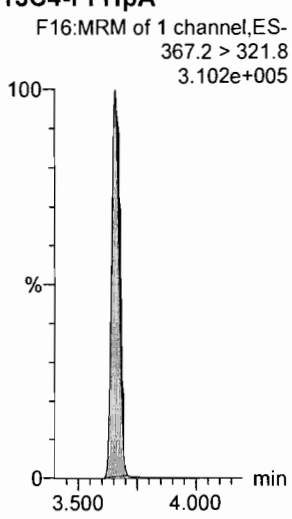
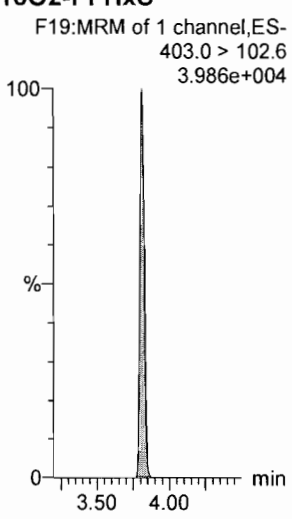


18O2-PFHxS



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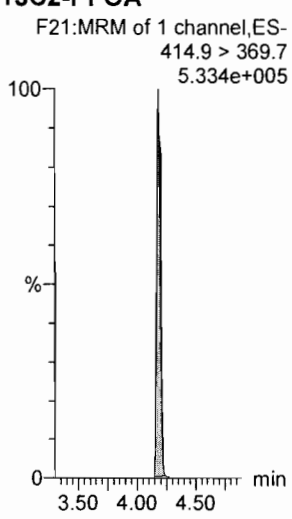

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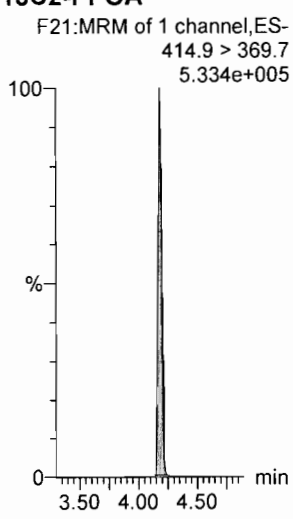

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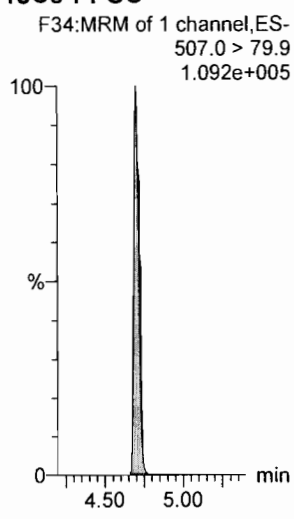
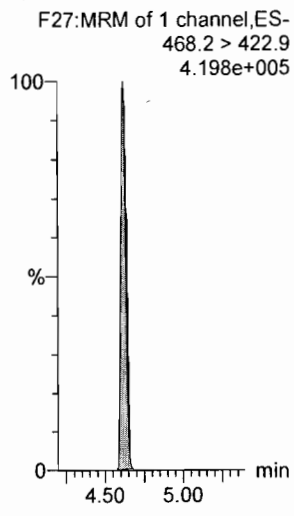


13C5-PFNA



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Printed: Wednesday, January 31, 2018 11:07:41 Pacific Standard Time

Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

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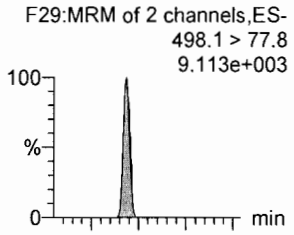

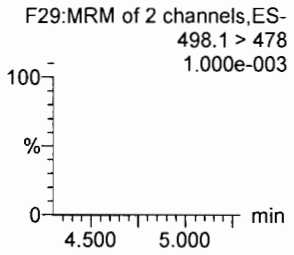

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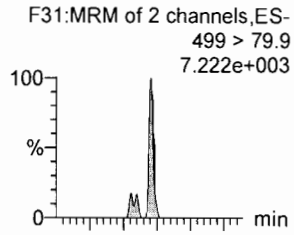

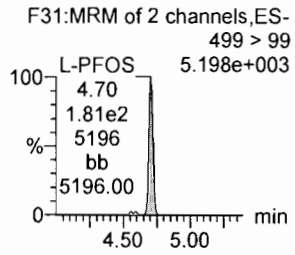

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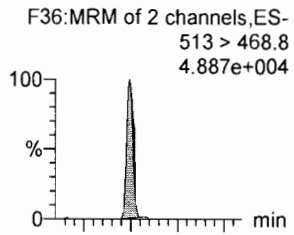
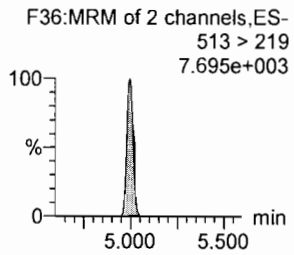
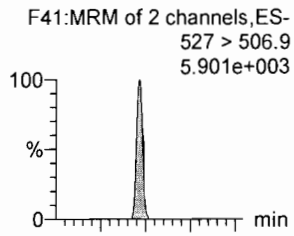
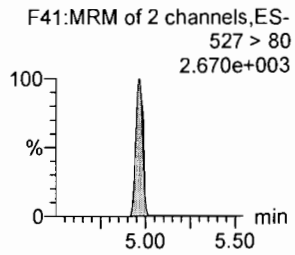




8:2 FTS





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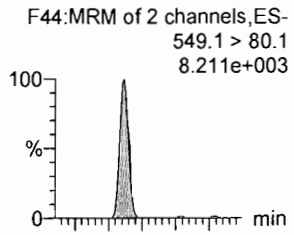

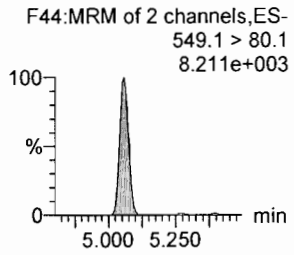

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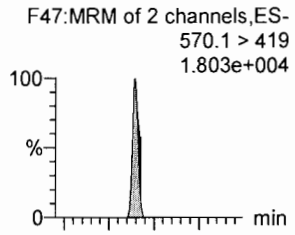

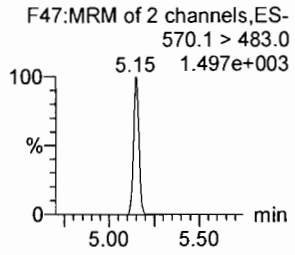

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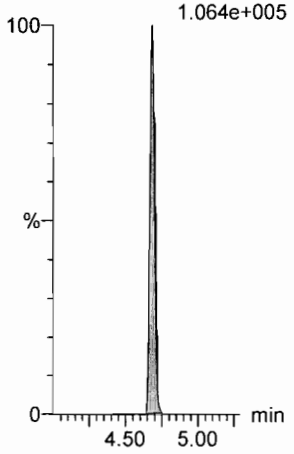

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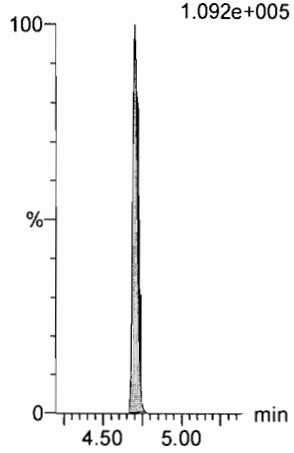

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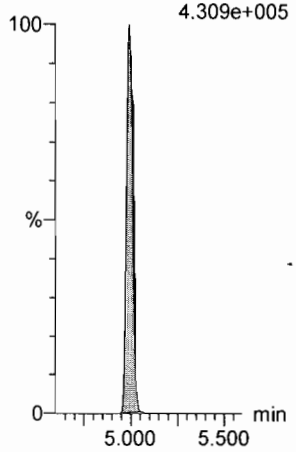

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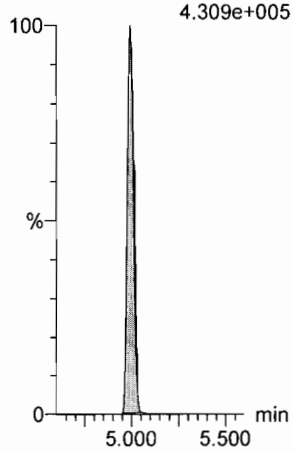

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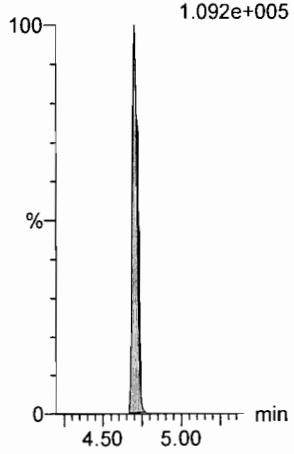

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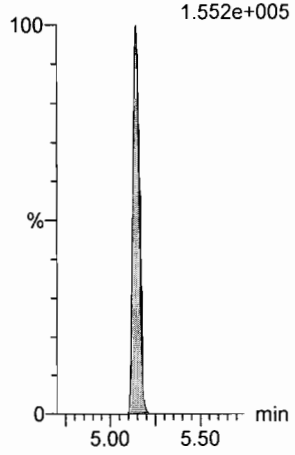

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Printed: Wednesday, January 31, 2018 11:07:41 Pacific Standard Time

Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

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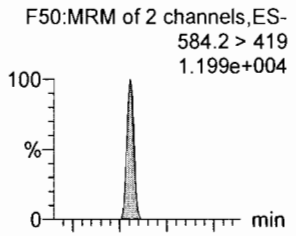

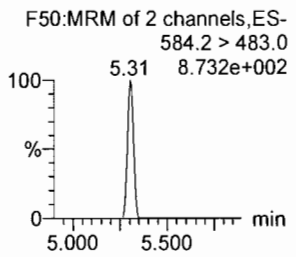

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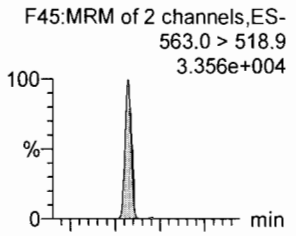

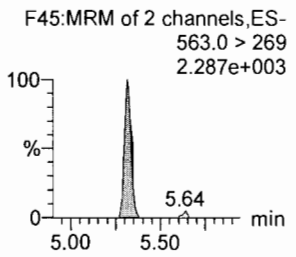

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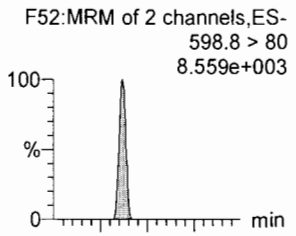

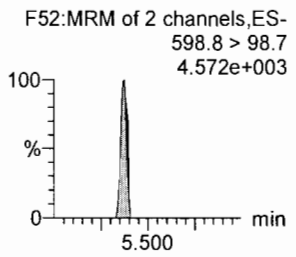

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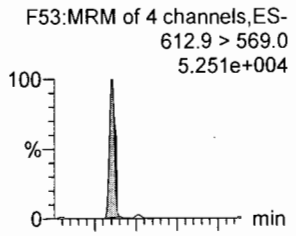

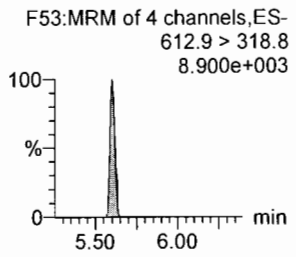

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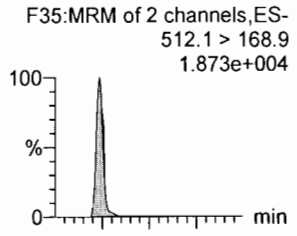

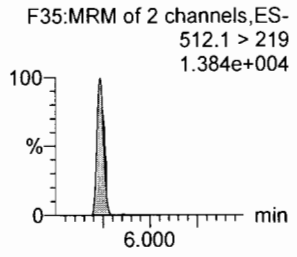

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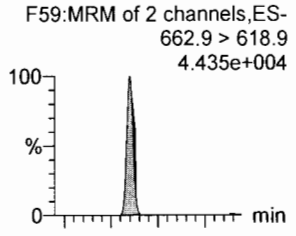

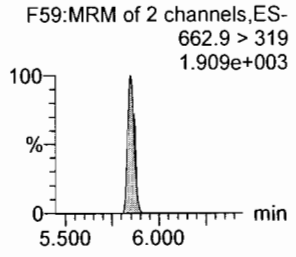

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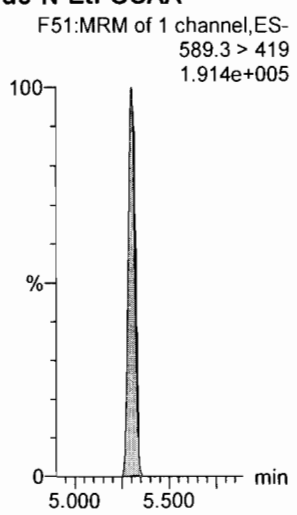

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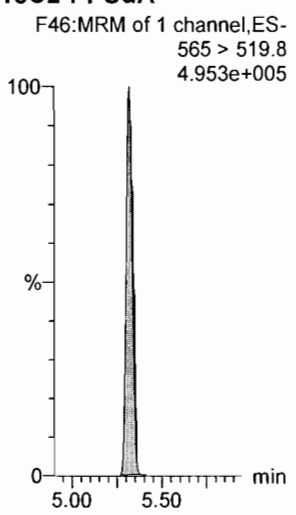

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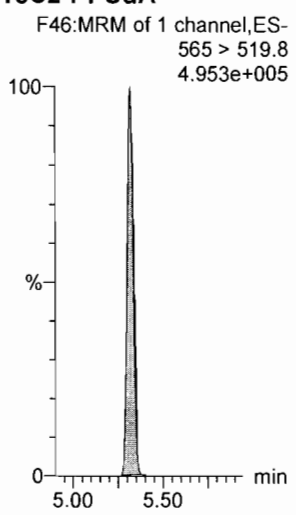

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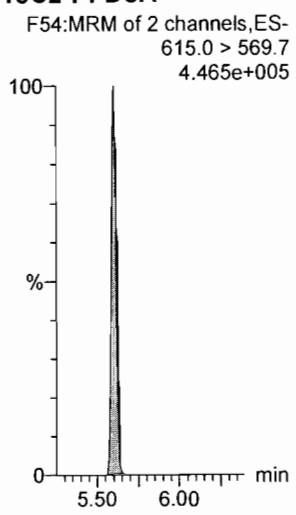

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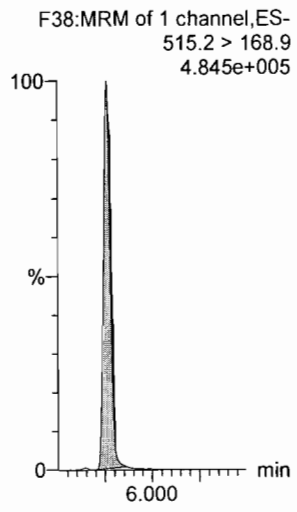

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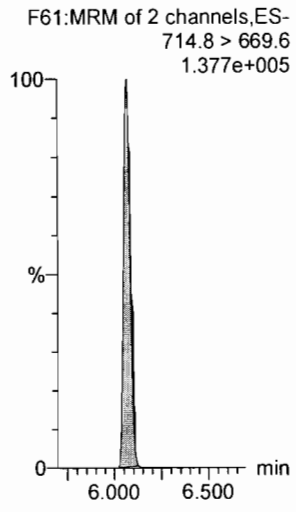

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Printed: Wednesday, January 31, 2018 11:07:41 Pacific Standard Time

Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

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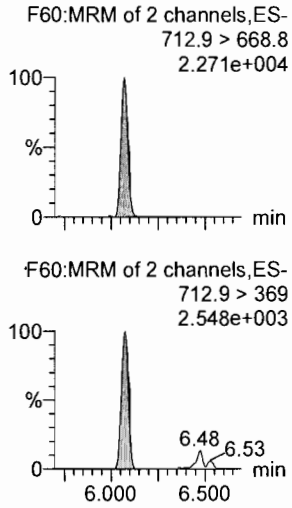

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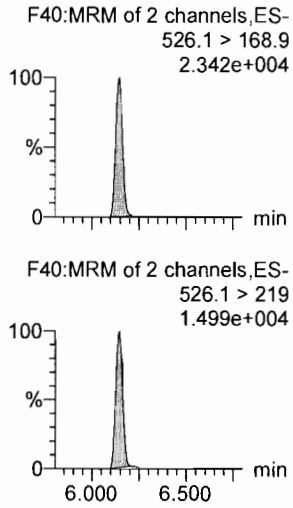

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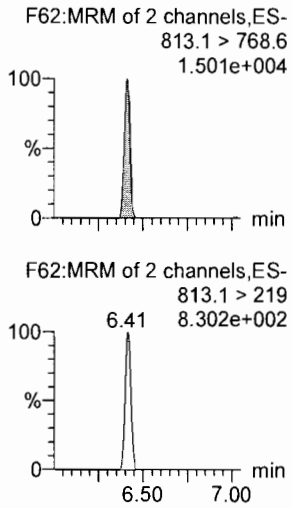

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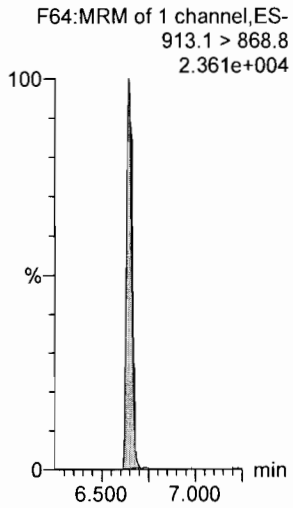

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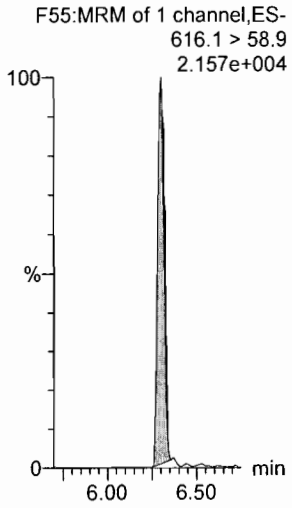

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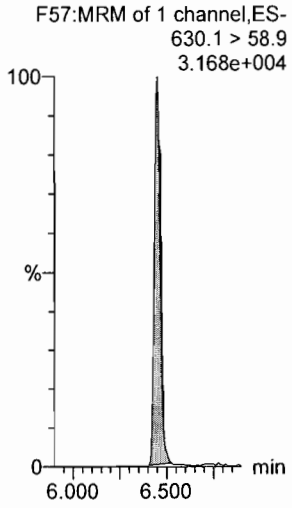

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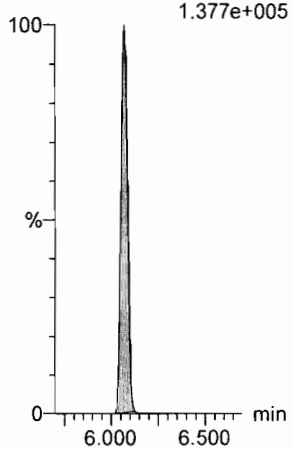

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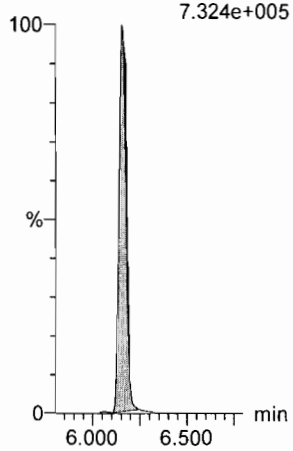

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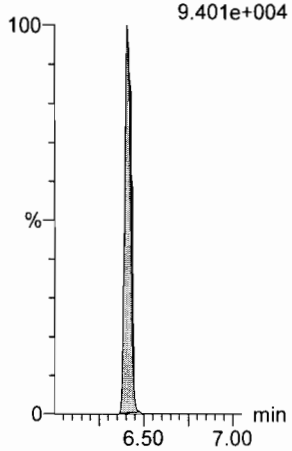

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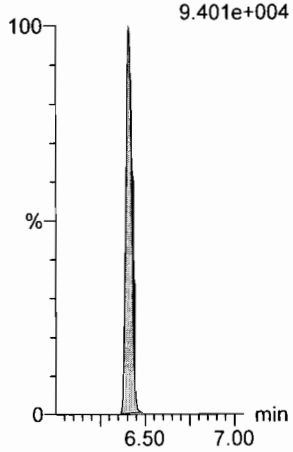

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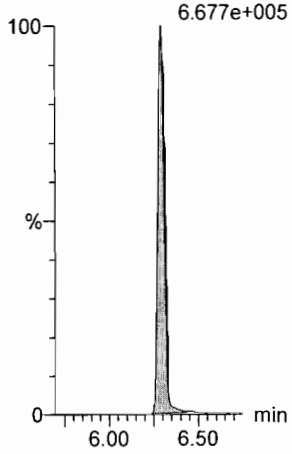
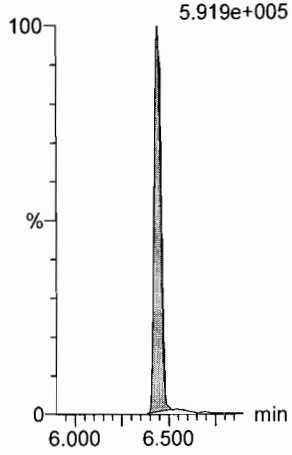


d9-N-EtFOSE

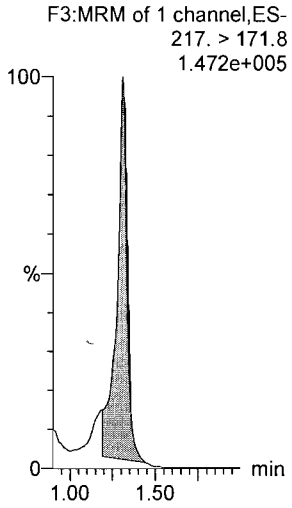


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-60.qld

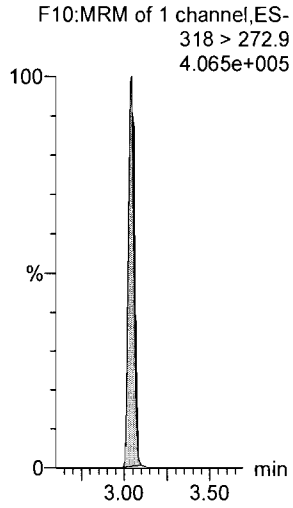
Last Altered: Wednesday, January 31, 2018 11:07:35 Pacific Standard Time
Printed: Wednesday, January 31, 2018 11:07:41 Pacific Standard Time

Name: 180130M2_60, Date: 30-Jan-2018, Time: 22:50:01, ID: ST180130M2-12 PFC CS0 18A1906, Description: PFC CS0 18A1906

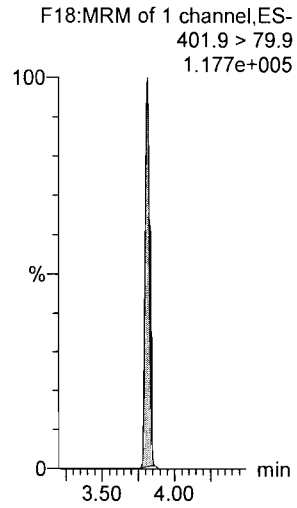
13C4-PFBA



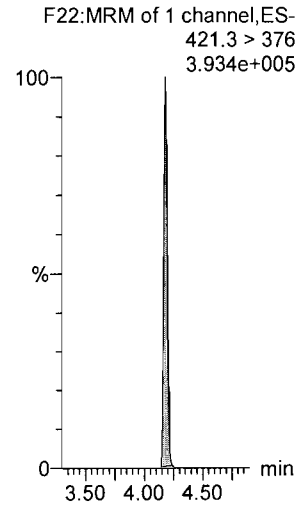
13C5-PFHxA



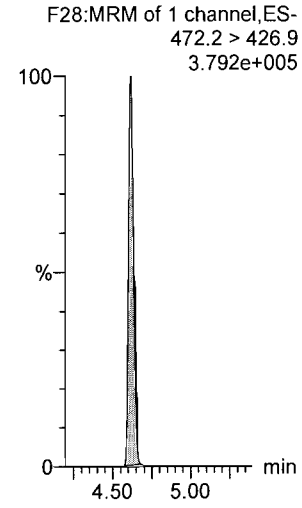
13C3-PFHxS



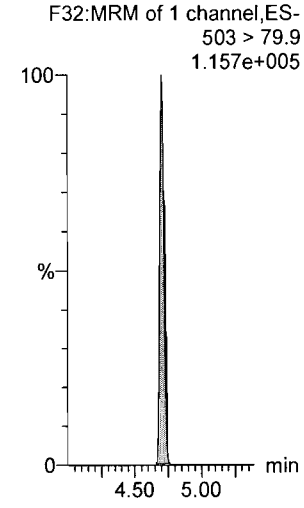
13C8-PFOA



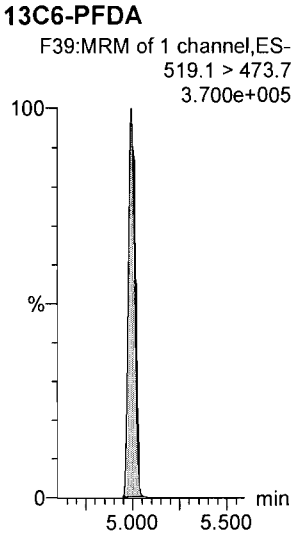
13C9-PFNA



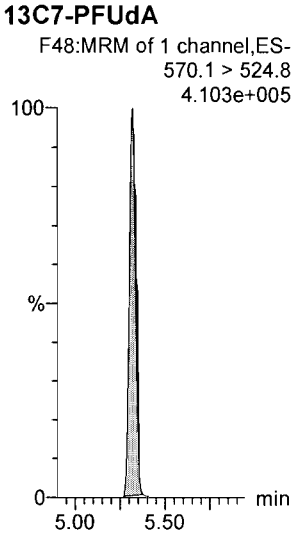
13C4-PFOS



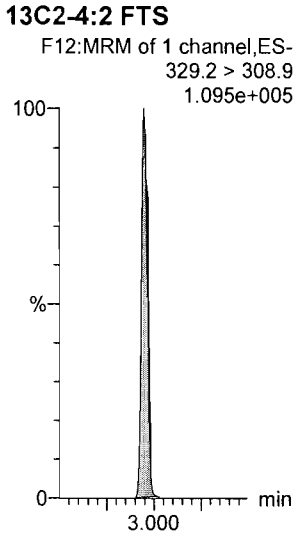
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS



INITIAL CALIBRATION (ICAL)

INCLUDING ASSOCIATED

INITIAL CALIBRATION VERIFICATION (ICV) AND INSTRUMENT BLANK (IB)

Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 08:59:53
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

AC 1/31/18 vJA 01/31/2018

Compound name: PFBA
Correlation coefficient: r = 0.999349, r^2 = 0.998699
Calibration curve: 1.16442 * x + -0.0439979
Response type: Internal Std (Ref 34), 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	180130M2_2	Standard	0.250	1.29	145.752	6876.616	0.265	0.3	6.1	NO	0.999	NO	MM
2	2	180130M2_3	Standard	0.500	1.28	242.794	6670.910	0.455	0.4	-14.3	NO	0.999	NO	bb
3	3	180130M2_4	Standard	1.000	1.29	489.506	6686.141	0.915	0.8	-17.6	NO	0.999	NO	bb
4	4	180130M2_5	Standard	2.000	1.29	1313.948	7453.242	2.204	1.9	-3.5	NO	0.999	NO	MM
5	5	180130M2_6	Standard	5.000	1.28	3497.962	7296.654	5.992	5.2	3.7	NO	0.999	NO	MM
6	6	180130M2_7	Standard	10.000	1.29	6875.646	7576.361	11.344	9.8	-2.2	NO	0.999	NO	MM
7	7	180130M2_8	Standard	50.000	1.29	40954.395	7914.732	64.681	55.6	11.2	NO	0.999	NO	bb
8	8	180130M2_9	Standard	100.000	1.29	85612.492	8748.384	122.326	105.1	5.1	NO	0.999	NO	bb
9	9	180130M2_10	Standard	250.000	1.29	180015.000	7969.932	282.335	242.5	-3.0	NO	0.999	NO	MM
10	10	180130M2_11	Standard	500.000	1.29	396476.313	8561.667	578.854	497.2	-0.6	NO	0.999	NO	MM

Compound name: PFPeA
Correlation coefficient: r = 0.999864, r^2 = 0.999727
Calibration curve: 1.00957 * x + 0.0379804
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	180130M2_2	Standard	0.250	2.24	250.834	11593.497	0.270	0.2	-7.9	NO	1.000	NO	bb
2	2	180130M2_3	Standard	0.500	2.24	484.132	11553.364	0.524	0.5	-3.8	NO	1.000	NO	bb
3	3	180130M2_4	Standard	1.000	2.24	1019.479	12093.586	1.054	1.0	0.6	NO	1.000	NO	bb
4	4	180130M2_5	Standard	2.000	2.25	1989.568	11420.756	2.178	2.1	6.0	NO	1.000	NO	bb
5	5	180130M2_6	Standard	5.000	2.25	4738.599	11755.113	5.039	5.0	-0.9	NO	1.000	NO	bb
6	6	180130M2_7	Standard	10.000	2.25	10036.212	12249.239	10.242	10.1	1.1	NO	1.000	NO	bb
7	7	180130M2_8	Standard	50.000	2.25	48651.629	11794.470	51.562	51.0	2.1	NO	1.000	NO	bb
8	8	180130M2_9	Standard	100.000	2.24	103238.492	12359.346	104.413	103.4	3.4	NO	1.000	NO	bb
9	9	180130M2_10	Standard	250.000	2.25	227881.016	11197.215	254.395	251.9	0.8	NO	1.000	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFPeA

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
10	10	180130M2_11	Standard	500.000	2.25	428860.938	10759.299	498.245	493.5	-1.3	NO	1.000	NO	bb

Compound name: PFBS
Coefficient of Determination: R^2 = 0.999648
Calibration curve: -0.000192588 * x^2 + 1.79867 * x + 0.0797843
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	180130M2_2	Standard	0.250	2.52	67.222	1557.144	0.540	0.3	2.3	NO	1.000	NO	bb
2	2	180130M2_3	Standard	0.500	2.52	120.004	1504.408	0.997	0.5	2.0	NO	1.000	NO	bb
3	3	180130M2_4	Standard	1.000	2.52	194.592	1373.188	1.771	0.9	-5.9	NO	1.000	NO	bb
4	4	180130M2_5	Standard	2.000	2.53	408.037	1405.841	3.628	2.0	-1.3	NO	1.000	NO	bb
5	5	180130M2_6	Standard	5.000	2.53	1040.156	1473.915	8.821	4.9	-2.7	NO	1.000	NO	bb
6	6	180130M2_7	Standard	10.000	2.53	2277.262	1524.539	18.672	10.3	3.5	NO	1.000	NO	bb
7	7	180130M2_8	Standard	50.000	2.52	11245.538	1550.796	90.643	50.6	1.2	NO	1.000	NO	bb
8	8	180130M2_9	Standard	100.000	2.53	22382.773	1524.122	183.571	103.2	3.2	NO	1.000	NO	bb
9	9	180130M2_10	Standard	250.000	2.52	48666.789	1426.854	426.347	243.3	-2.7	NO	1.000	NO	bb
10	10	180130M2_11	Standard	500.000	2.53	89676.133	1309.955	855.718	502.8	0.6	NO	1.000	NO	bb

Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.998629
Calibration curve: -0.00142534 * x^2 + 1.86892 * x + 0.00922081
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	180130M2_2	Standard	0.250	2.92	56.679	1557.144	0.455	0.2	-4.6	NO	0.999	NO	MM
2	2	180130M2_3	Standard	0.500	2.92	96.315	1504.408	0.800	0.4	-15.3	NO	0.999	NO	bb
3	3	180130M2_4	Standard	1.000	2.93	230.535	1373.188	2.099	1.1	11.9	NO	0.999	NO	bb
4	4	180130M2_5	Standard	2.000	2.93	438.188	1405.841	3.896	2.1	4.2	NO	0.999	NO	bb
5	5	180130M2_6	Standard	5.000	2.93	1114.400	1473.915	9.451	5.1	1.4	NO	0.999	NO	bb
6	6	180130M2_7	Standard	10.000	2.93	2270.168	1524.539	18.614	10.0	0.3	NO	0.999	NO	bb
7	7	180130M2_8	Standard	50.000	2.93	11859.719	1550.796	95.594	53.3	6.6	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 4:2 FTS

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
8	8	180130M2_9	Standard	100.000	2.93	20043.510	1524.122	164.386	94.8	-5.2	NO	0.999	NO	bb
9	9	180130M2_10	Standard	250.000	2.93	43412.172	1426.854	380.314	251.9	0.7	NO	0.999	NO	bb
10	10	180130M2_11	Standard	500.000	2.93	82473.906	1309.955	786.992			NO	0.999	NO	bbXI

Compound name: PFHxA
Correlation coefficient: r = 0.999536, r^2 = 0.999072
Calibration curve: 1.59305 * x + 0.154027
Response type: Internal Std (Ref 37), 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	180130M2_2	Standard	0.250	3.02	331.469	3444.513	0.481	0.2	-17.9	NO	0.999	NO	bb
2	2	180130M2_3	Standard	0.500	3.02	650.080	3804.890	0.854	0.4	-12.1	NO	0.999	NO	bb
3	3	180130M2_4	Standard	1.000	3.02	1395.178	3925.958	1.777	1.0	1.9	NO	0.999	NO	bb
4	4	180130M2_5	Standard	2.000	3.02	2678.964	3424.845	3.911	2.4	17.9	NO	0.999	NO	bb
5	5	180130M2_6	Standard	5.000	3.02	5585.022	3509.592	7.957	4.9	-2.0	NO	0.999	NO	bb
6	6	180130M2_7	Standard	10.000	3.02	12463.603	3506.838	17.770	11.1	10.6	NO	0.999	NO	bb
7	7	180130M2_8	Standard	50.000	3.02	61713.707	3857.463	79.993	50.1	0.2	NO	0.999	NO	bb
8	8	180130M2_9	Standard	100.000	3.02	134421.234	4084.247	164.561	103.2	3.2	NO	0.999	NO	bb
9	9	180130M2_10	Standard	250.000	3.02	282436.156	3610.123	391.172	245.5	-1.8	NO	0.999	NO	bb
10	10	180130M2_11	Standard	500.000	3.02	516166.313	3550.825	726.826	456.2	-8.8	NO	0.999	NO	bbX

Compound name: PFPeS
Correlation coefficient: r = 0.999248, r^2 = 0.998497
Calibration curve: 1.92186 * x + 0.239017
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	180130M2_2	Standard	0.250	3.22	76.302	1557.144	0.613	0.2	-22.3	NO	0.998	NO	bb
2	2	180130M2_3	Standard	0.500	3.22	121.595	1504.408	1.010	0.4	-19.7	NO	0.998	NO	bb
3	3	180130M2_4	Standard	1.000	3.22	269.333	1373.188	2.452	1.2	15.1	NO	0.998	NO	bb
4	4	180130M2_5	Standard	2.000	3.22	490.172	1405.841	4.358	2.1	7.2	NO	0.998	NO	bb
5	5	180130M2_6	Standard	5.000	3.22	1168.320	1473.915	9.908	5.0	0.6	NO	0.998	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFPeS

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
6	6	180130M2_7	Standard	10.000	3.23	2708.861	1524.539	22.210	11.4	14.3	NO	0.998	NO	bb
7	7	180130M2_8	Standard	50.000	3.22	12544.337	1550.796	101.112	52.5	5.0	NO	0.998	NO	bb
8	8	180130M2_9	Standard	100.000	3.23	24011.297	1524.122	196.927	102.3	2.3	NO	0.998	NO	bb
9	9	180130M2_10	Standard	250.000	3.23	53459.953	1426.854	468.338	243.6	-2.6	NO	0.998	NO	bb
10	10	180130M2_11	Standard	500.000	3.23	92783.516	1309.955	885.369	460.6	-7.9	NO	0.998	NO	bbX

Compound name: PFHpA
Correlation coefficient: r = 0.996911, r^2 = 0.993832
Calibration curve: 1.17843 * x + 0.12989
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	180130M2_2	Standard	0.250	3.64	276.059	8881.518	0.389	0.2	-12.2	NO	0.994	NO	bb
2	2	180130M2_3	Standard	0.500	3.63	578.274	9917.206	0.729	0.5	1.7	NO	0.994	NO	bb
3	3	180130M2_4	Standard	1.000	3.64	911.291	11092.101	1.027	0.8	-23.9	NO	0.994	NO	bb
4	4	180130M2_5	Standard	2.000	3.64	1904.880	8887.327	2.679	2.2	8.2	NO	0.994	NO	bb
5	5	180130M2_6	Standard	5.000	3.64	5238.723	10858.797	6.031	5.0	0.1	NO	0.994	NO	bb
6	6	180130M2_7	Standard	10.000	3.64	10266.113	10289.855	12.471	10.5	4.7	NO	0.994	NO	bb
7	7	180130M2_8	Standard	50.000	3.64	48742.094	9713.688	62.723	53.1	6.2	NO	0.994	NO	bb
8	8	180130M2_9	Standard	100.000	3.64	117605.617	10630.633	138.286	117.2	17.2	NO	0.994	NO	bb
9	9	180130M2_10	Standard	250.000	3.64	222412.031	9057.838	306.933	260.3	4.1	NO	0.994	NO	bb
10	10	180130M2_11	Standard	500.000	3.64	392791.625	8883.200	552.717	468.9	-6.2	NO	0.994	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: L-PFHxS
Correlation coefficient: r = 0.998763, r^2 = 0.997528
Calibration curve: 1.85703 * x + 0.0178379
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	180130M2_2	Standard	0.250	3.79	38.095	1053.045	0.452	0.2	-6.4	NO	0.998	NO	MM
2	2	180130M2_3	Standard	0.500	3.79	56.207	903.095	0.778	0.4	-18.1	NO	0.998	NO	MM
3	3	180130M2_4	Standard	1.000	3.80	149.560	997.103	1.875	1.0	0.0	NO	0.998	NO	MM
4	4	180130M2_5	Standard	2.000	3.80	342.842	989.370	4.332	2.3	16.1	NO	0.998	NO	MM
5	5	180130M2_6	Standard	5.000	3.80	761.813	1029.990	9.245	5.0	-0.6	NO	0.998	NO	MM
6	6	180130M2_7	Standard	10.000	3.80	1705.721	963.713	22.124	11.9	19.0	NO	0.998	NO	MM
7	7	180130M2_8	Standard	50.000	3.79	8106.228	1168.792	86.695	46.7	-6.7	NO	0.998	NO	MM
8	8	180130M2_9	Standard	100.000	3.80	16188.136	1095.959	184.634	99.4	-0.6	NO	0.998	NO	MM
9	9	180130M2_10	Standard	250.000	3.79	35013.383	1005.605	435.228	234.4	-6.3	NO	0.998	NO	MM
10	10	180130M2_11	Standard	500.000	3.80	69247.547	900.761	960.959	517.5	3.5	NO	0.998	NO	MM

Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.998989
Calibration curve: -3.58558e-005 * x^2 + 0.231183 * x + 0.00652079
Response type: Internal Std (Ref 41), 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	180130M2_2	Standard	0.250	4.11	67.447	13083.550	0.064	0.3	0.2	NO	0.999	NO	bb
2	2	180130M2_3	Standard	0.500	4.11	150.687	12909.832	0.146	0.6	20.6	NO	0.999	NO	bb
3	3	180130M2_4	Standard	1.000	4.11	204.662	13755.024	0.186	0.8	-22.4	NO	0.999	NO	bb
4	4	180130M2_5	Standard	2.000	4.11	595.523	12662.505	0.588	2.5	25.8	NO	0.999	NO	bb
5	5	180130M2_6	Standard	5.000	4.11	1126.442	13917.645	1.012	4.4	-13.0	NO	0.999	NO	bb
6	6	180130M2_7	Standard	10.000	4.11	2534.244	13938.184	2.273	9.8	-1.8	NO	0.999	NO	bb
7	7	180130M2_8	Standard	50.000	4.11	13119.515	14519.339	11.295	49.2	-1.6	NO	0.999	NO	bb
8	8	180130M2_9	Standard	100.000	4.11	28912.900	15012.127	24.075	105.8	5.8	NO	0.999	NO	bb
9	9	180130M2_10	Standard	250.000	4.11	56401.480	13058.033	53.991	242.6	-2.9	NO	0.999	NO	bb
10	10	180130M2_11	Standard	500.000	4.11	104634.672	12203.416	107.178	502.8	0.6	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999566
Calibration curve: -0.000857391 * x^2 + 1.05615 * x + 0.0717082
Response type: Internal Std (Ref 41), 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	180130M2_2	Standard	0.250	4.16	283.962	13083.550	0.271	0.2	-24.4	NO	1.000	NO	bb
2	2	180130M2_3	Standard	0.500	4.16	635.267	12909.832	0.615	0.5	2.9	NO	1.000	NO	bb
3	3	180130M2_4	Standard	1.000	4.17	1321.400	13755.024	1.201	1.1	7.0	NO	1.000	NO	bb
4	4	180130M2_5	Standard	2.000	4.17	2500.635	12662.505	2.469	2.3	13.7	NO	1.000	NO	bb
5	5	180130M2_6	Standard	5.000	4.16	5673.434	13917.645	5.096	4.8	-4.5	NO	1.000	NO	bb
6	6	180130M2_7	Standard	10.000	4.16	12457.271	13938.184	11.172	10.6	6.0	NO	1.000	NO	bb
7	7	180130M2_8	Standard	50.000	4.16	59362.699	14519.339	51.107	50.4	0.8	NO	1.000	NO	bb
8	8	180130M2_9	Standard	100.000	4.17	114676.961	15012.127	95.487	98.2	-1.8	NO	1.000	NO	bb
9	9	180130M2_10	Standard	250.000	4.16	220499.109	13058.033	211.076	250.9	0.4	NO	1.000	NO	bb
10	10	180130M2_11	Standard	500.000	4.16	484021.500	12203.416	495.785			NO	1.000	NO	bbXI

Compound name: PFHpS
Coefficient of Determination: R^2 = 0.998172
Calibration curve: -0.000111162 * x^2 + 1.01876 * x + -0.0937669
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	180130M2_2	Standard	0.250	4.27	55.597	3303.503	0.210	0.3	19.4	NO	0.998	NO	MMX
2	2	180130M2_3	Standard	0.500	4.27	161.011	2799.563	0.719	0.8	59.6	YES	0.998	NO	bbX
3	3	180130M2_4	Standard	1.000	4.28	197.510	3313.572	0.745	0.8	-17.7	NO	0.998	NO	bb
4	4	180130M2_5	Standard	2.000	4.28	518.409	3118.645	2.078	2.1	6.6	NO	0.998	NO	bb
5	5	180130M2_6	Standard	5.000	4.28	1173.845	3222.721	4.553	4.6	-8.7	NO	0.998	NO	bb
6	6	180130M2_7	Standard	10.000	4.28	3051.811	3355.895	11.367	11.3	12.6	NO	0.998	NO	bb
7	7	180130M2_8	Standard	50.000	4.28	13264.415	3007.765	55.126	54.5	9.1	NO	0.998	NO	bb
8	8	180130M2_9	Standard	100.000	4.28	25959.848	3145.492	103.163	102.5	2.5	NO	0.998	NO	bb
9	9	180130M2_10	Standard	250.000	4.28	54278.594	2900.628	233.909	235.8	-5.7	NO	0.998	NO	bb
10	10	180130M2_11	Standard	500.000	4.28	105607.602	2708.485	487.392	506.5	1.3	NO	0.998	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFNA
Coefficient of Determination: R^2 = 0.998285
Calibration curve: 3.72704e-005 * x^2 + 1.22337 * x + 0.164766
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	180130M2_2	Standard	0.250	4.60	391.378	11924.658	0.410	0.2	-19.7	NO	0.998	NO	bb
2	2	180130M2_3	Standard	0.500	4.60	658.152	12590.917	0.653	0.4	-20.1	NO	0.998	NO	bb
3	3	180130M2_4	Standard	1.000	4.61	1541.535	13916.688	1.385	1.0	-0.3	NO	0.998	NO	bb
4	4	180130M2_5	Standard	2.000	4.61	2803.837	11553.559	3.034	2.3	17.2	NO	0.998	NO	bb
5	5	180130M2_6	Standard	5.000	4.61	6190.618	11286.473	6.856	5.5	9.4	NO	0.998	NO	bb
6	6	180130M2_7	Standard	10.000	4.61	14313.167	12654.078	14.139	11.4	14.2	NO	0.998	NO	bb
7	7	180130M2_8	Standard	50.000	4.60	62601.695	13283.173	58.911	47.9	-4.1	NO	0.998	NO	bb
8	8	180130M2_9	Standard	100.000	4.61	147308.750	13966.063	131.845	107.3	7.3	NO	0.998	NO	bb
9	9	180130M2_10	Standard	250.000	4.60	279544.344	11905.473	293.504	238.1	-4.8	NO	0.998	NO	bb
10	10	180130M2_11	Standard	500.000	4.61	470219.375	9374.423	626.998	504.6	0.9	NO	0.998	NO	bb

Compound name: PFOSA
Correlation coefficient: r = 0.997452, r^2 = 0.994909
Calibration curve: 1.09599 * x + -0.0345352
Response type: Internal Std (Ref 43), 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	180130M2_2	Standard	0.250	4.66	87.580	3565.097	0.307	0.3	24.7	NO	0.995	NO	bb
2	2	180130M2_3	Standard	0.500	4.67	113.860	3407.638	0.418	0.4	-17.5	NO	0.995	NO	bb
3	3	180130M2_4	Standard	1.000	4.67	279.787	3539.375	0.988	0.9	-6.7	NO	0.995	NO	bb
4	4	180130M2_5	Standard	2.000	4.67	491.604	3497.803	1.757	1.6	-18.3	NO	0.995	NO	bb
5	5	180130M2_6	Standard	5.000	4.67	1455.735	3378.658	5.386	4.9	-1.1	NO	0.995	NO	bb
6	6	180130M2_7	Standard	10.000	4.67	3636.421	3567.036	12.743	11.7	16.6	NO	0.995	NO	bb
7	7	180130M2_8	Standard	50.000	4.66	15118.188	3558.686	53.103	48.5	-3.0	NO	0.995	NO	bb
8	8	180130M2_9	Standard	100.000	4.67	31501.756	3598.307	109.433	99.9	-0.1	NO	0.995	NO	bb
9	9	180130M2_10	Standard	250.000	4.67	66896.695	2758.122	303.180	276.7	10.7	NO	0.995	NO	bb
10	10	180130M2_11	Standard	500.000	4.67	122858.055	2957.394	519.283	473.8	-5.2	NO	0.995	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.999249
Calibration curve: -8.58479e-006 * x^2 + 1.08539 * x + -0.177739
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	180130M2_2	Standard	0.250	4.68	35.012	3303.503	0.132	0.3	14.3	NO	0.999	NO	MM
2	2	180130M2_3	Standard	0.500	4.69	85.749	2799.563	0.383	0.5	3.3	NO	0.999	NO	MM
3	3	180130M2_4	Standard	1.000	4.69	225.209	3313.572	0.850	0.9	-5.4	NO	0.999	NO	MM
4	4	180130M2_5	Standard	2.000	4.69	427.639	3118.645	1.714	1.7	-12.9	NO	0.999	NO	MM
5	5	180130M2_6	Standard	5.000	4.69	1205.209	3222.721	4.675	4.5	-10.6	NO	0.999	NO	MM
6	6	180130M2_7	Standard	10.000	4.69	3022.715	3355.895	11.259	10.5	5.4	NO	0.999	NO	MM
7	7	180130M2_8	Standard	50.000	4.69	13878.184	3007.765	57.676	53.3	6.7	NO	0.999	NO	MM
8	8	180130M2_9	Standard	100.000	4.69	27726.719	3145.492	110.184	101.8	1.8	NO	0.999	NO	MM
9	9	180130M2_10	Standard	250.000	4.69	60713.430	2900.628	261.639	241.7	-3.3	NO	0.999	NO	MM
10	10	180130M2_11	Standard	500.000	4.69	117899.492	2708.485	544.121	503.5	0.7	NO	0.999	NO	MM

Compound name: PFDA
Coefficient of Determination: R^2 = 0.998012
Calibration curve: -0.000420231 * x^2 + 1.29941 * x + 0.0888209
Response type: Internal Std (Ref 45), 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	180130M2_2	Standard	0.250	4.98	282.483	10373.150	0.340	0.2	-22.6	NO	0.998	NO	bb
2	2	180130M2_3	Standard	0.500	4.98	679.340	11181.896	0.759	0.5	3.2	NO	0.998	NO	bb
3	3	180130M2_4	Standard	1.000	4.98	1513.492	11103.892	1.704	1.2	24.3	NO	0.998	NO	bb
4	4	180130M2_5	Standard	2.000	4.98	2667.157	11098.916	3.004	2.2	12.2	NO	0.998	NO	bb
5	5	180130M2_6	Standard	5.000	4.98	6734.641	13841.649	6.082	4.6	-7.6	NO	0.998	NO	bb
6	6	180130M2_7	Standard	10.000	4.98	12574.135	13395.807	11.733	9.0	-10.1	NO	0.998	NO	bb
7	7	180130M2_8	Standard	50.000	4.98	64611.910	13454.328	60.029	46.8	-6.3	NO	0.998	NO	bb
8	8	180130M2_9	Standard	100.000	4.98	139965.906	12731.192	137.424	109.6	9.6	NO	0.998	NO	bb
9	9	180130M2_10	Standard	250.000	4.98	262682.469	11335.476	289.669	241.8	-3.3	NO	0.998	NO	bb
10	10	180130M2_11	Standard	500.000	4.98	561688.938	12827.448	547.351	503.0	0.6	NO	0.998	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.994120
Calibration curve: -0.00010241 * x^2 + 0.250291 * x + -0.0155588
Response type: Internal Std (Ref 41), 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	180130M2_2	Standard	0.250	4.94	52.953	13083.550	0.051	0.3	5.7	NO	0.994	NO	MM
2	2	180130M2_3	Standard	0.500	4.94	106.263	12909.832	0.103	0.5	-5.3	NO	0.994	NO	bb
3	3	180130M2_4	Standard	1.000	4.95	228.735	13755.024	0.208	0.9	-10.7	NO	0.994	NO	bb
4	4	180130M2_5	Standard	2.000	4.96	618.064	12662.505	0.610	2.5	25.1	NO	0.994	NO	bb
5	5	180130M2_6	Standard	5.000	4.95	1014.381	13917.645	0.911	3.7	-25.8	NO	0.994	NO	bb
6	6	180130M2_7	Standard	10.000	4.95	2724.675	13938.184	2.444	9.9	-1.4	NO	0.994	NO	bb
7	7	180130M2_8	Standard	50.000	4.95	11034.815	14519.339	9.500	38.6	-22.7	NO	0.994	NO	bb
8	8	180130M2_9	Standard	100.000	4.95	30446.711	15012.127	25.352	105.9	5.9	NO	0.994	NO	bb
9	9	180130M2_10	Standard	250.000	4.95	62080.234	13058.033	59.427	266.6	6.6	NO	0.994	NO	bb
10	10	180130M2_11	Standard	500.000	4.95	95574.258	12203.416	97.897	489.1	-2.2	NO	0.994	NO	bb

Compound name: PFNS
Coefficient of Determination: R^2 = 0.998923
Calibration curve: -0.000173469 * x^2 + 0.881199 * x + 0.0764053
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	180130M2_2	Standard	0.250	5.04	76.733	3303.503	0.290	0.2	-2.9	NO	0.999	NO	MM
2	2	180130M2_3	Standard	0.500	5.04	110.619	2799.563	0.494	0.5	-5.2	NO	0.999	NO	MM
3	3	180130M2_4	Standard	1.000	5.04	245.261	3313.572	0.925	1.0	-3.7	NO	0.999	NO	MM
4	4	180130M2_5	Standard	2.000	5.05	456.775	3118.645	1.831	2.0	-0.4	NO	0.999	NO	MM
5	5	180130M2_6	Standard	5.000	5.05	1180.659	3222.721	4.579	5.1	2.3	NO	0.999	NO	MM
6	6	180130M2_7	Standard	10.000	5.05	2547.639	3355.895	9.489	10.7	7.0	NO	0.999	NO	MM
7	7	180130M2_8	Standard	50.000	5.05	10629.551	3007.765	44.175	50.5	1.1	NO	0.999	NO	bb
8	8	180130M2_9	Standard	100.000	5.05	22925.211	3145.492	91.103	105.5	5.5	NO	0.999	NO	MM
9	9	180130M2_10	Standard	250.000	5.05	46405.703	2900.628	199.981	238.0	-4.8	NO	0.999	NO	MM
10	10	180130M2_11	Standard	500.000	5.05	86909.063	2708.485	401.096	505.4	1.1	NO	0.999	NO	MM

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.998886
Calibration curve: -0.000656005 * x^2 + 1.57527 * x + -0.0430991
Response type: Internal Std (Ref 47), 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	180130M2_2	Standard	0.250	5.14	208.223	5651.358	0.461	0.3	27.9	NO	0.999	NO	bb
2	2	180130M2_3	Standard	0.500	5.13	281.203	5094.401	0.690	0.5	-6.9	NO	0.999	NO	bb
3	3	180130M2_4	Standard	1.000	5.14	612.965	5659.655	1.354	0.9	-11.3	NO	0.999	NO	bb
4	4	180130M2_5	Standard	2.000	5.14	1255.902	5256.864	2.986	1.9	-3.8	NO	0.999	NO	bb
5	5	180130M2_6	Standard	5.000	5.14	3001.708	5623.414	6.672	4.3	-14.6	NO	0.999	NO	bb
6	6	180130M2_7	Standard	10.000	5.14	7005.630	5524.531	15.851	10.1	1.3	NO	0.999	NO	bb
7	7	180130M2_8	Standard	50.000	5.14	33344.656	5612.226	74.268	48.1	-3.7	NO	0.999	NO	bb
8	8	180130M2_9	Standard	100.000	5.14	71311.117	6113.146	145.815	96.5	-3.5	NO	0.999	NO	bb
9	9	180130M2_10	Standard	250.000	5.14	150630.297	5111.627	368.352	262.6	5.0	NO	0.999	NO	bb
10	10	180130M2_11	Standard	500.000	5.14	254017.859	5145.271	617.115	493.0	-1.4	NO	0.999	NO	bb

Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.998912
Calibration curve: 5.26453e-005 * x^2 + 1.09334 * x + 0.022349
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	180130M2_2	Standard	0.250	5.29	133.930	6094.616	0.275	0.2	-7.7	NO	0.999	NO	bb
2	2	180130M2_3	Standard	0.500	5.29	320.345	6234.195	0.642	0.6	13.4	NO	0.999	NO	bb
3	3	180130M2_4	Standard	1.000	5.30	429.622	6814.311	0.788	0.7	-30.0	NO	0.999	NO	bb
4	4	180130M2_5	Standard	2.000	5.29	1072.044	4971.428	2.696	2.4	22.2	NO	0.999	NO	MM
5	5	180130M2_6	Standard	5.000	5.30	2632.858	5897.333	5.581	5.1	1.7	NO	0.999	NO	bb
6	6	180130M2_7	Standard	10.000	5.29	5970.152	6240.996	11.958	10.9	9.1	NO	0.999	NO	bb
7	7	180130M2_8	Standard	50.000	5.29	29335.684	6520.371	56.239	51.3	2.6	NO	0.999	NO	bb
8	8	180130M2_9	Standard	100.000	5.29	53490.738	6313.640	105.903	96.4	-3.6	NO	0.999	NO	bb
9	9	180130M2_10	Standard	250.000	5.29	112534.500	5061.634	277.911	251.1	0.5	NO	0.999	NO	bb
10	10	180130M2_11	Standard	500.000	5.29	189063.281	4643.514	508.945	455.5	-8.9	NO	0.999	NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFUdA
Coefficient of Determination: R^2 = 0.999294
Calibration curve: -0.000458526 * x^2 + 1.17709 * x + 0.0278308
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	180130M2_2	Standard	0.250	5.30	513.076	16376.577	0.392	0.3	23.6	NO	0.999	NO	bb
2	2	180130M2_3	Standard	0.500	5.31	801.007	14143.141	0.708	0.6	15.6	NO	0.999	NO	bb
3	3	180130M2_4	Standard	1.000	5.31	1303.505	14888.429	1.094	0.9	-9.4	NO	0.999	NO	bb
4	4	180130M2_5	Standard	2.000	5.31	2653.989	15103.803	2.196	1.8	-7.8	NO	0.999	NO	bb
5	5	180130M2_6	Standard	5.000	5.31	6411.717	14910.061	5.375	4.6	-9.0	NO	0.999	NO	bb
6	6	180130M2_7	Standard	10.000	5.31	11567.065	14939.002	9.679	8.2	-17.7	NO	0.999	NO	bb
7	7	180130M2_8	Standard	50.000	5.31	64903.789	13571.186	59.781	51.8	3.6	NO	0.999	NO	bb
8	8	180130M2_9	Standard	100.000	5.31	133786.313	14580.421	114.697	101.4	1.4	NO	0.999	NO	bb
9	9	180130M2_10	Standard	250.000	5.30	269359.000	12712.355	264.859	249.2	-0.3	NO	0.999	NO	bb
10	10	180130M2_11	Standard	500.000	5.31	501339.500	13224.735	473.865	499.9	-0.0	NO	0.999	NO	bb

Compound name: PFDS
Coefficient of Determination: R^2 = 0.998560
Calibration curve: -0.000101601 * x^2 + 0.27335 * x + -0.0126321
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	180130M2_2	Standard	0.250	5.35	96.284	16376.577	0.073	0.3	26.0	NO	0.999	NO	bb
2	2	180130M2_3	Standard	0.500	5.35	101.634	14143.141	0.090	0.4	-25.0	NO	0.999	NO	bb
3	3	180130M2_4	Standard	1.000	5.35	361.620	14888.429	0.304	1.2	15.7	NO	0.999	NO	bb
4	4	180130M2_5	Standard	2.000	5.36	607.828	15103.803	0.503	1.9	-5.6	NO	0.999	NO	bb
5	5	180130M2_6	Standard	5.000	5.36	1591.206	14910.061	1.334	4.9	-1.3	NO	0.999	NO	bb
6	6	180130M2_7	Standard	10.000	5.36	2949.842	14939.002	2.468	9.1	-8.9	NO	0.999	NO	bb
7	7	180130M2_8	Standard	50.000	5.36	14836.292	13571.186	13.665	51.0	2.0	NO	0.999	NO	bb
8	8	180130M2_9	Standard	100.000	5.36	28720.633	14580.421	24.623	93.4	-6.6	NO	0.999	NO	bb
9	9	180130M2_10	Standard	250.000	5.36	65810.180	12712.355	64.711	262.4	4.9	NO	0.999	NO	bb
10	10	180130M2_11	Standard	500.000	5.36	116599.281	13224.735	110.209	493.9	-1.2	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFDoA
Coefficient of Determination: R^2 = 0.997610
Calibration curve: -0.000594455 * x^2 + 1.49079 * x + 0.049628
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	180130M2_2	Standard	0.250	5.59	313.215	9896.215	0.396	0.2	-7.2	NO	0.998	NO	bb
2	2	180130M2_3	Standard	0.500	5.59	687.082	9179.814	0.936	0.6	18.9	NO	0.998	NO	bb
3	3	180130M2_4	Standard	1.000	5.60	1309.532	11021.308	1.485	1.0	-3.7	NO	0.998	NO	bb
4	4	180130M2_5	Standard	2.000	5.60	3337.135	12445.758	3.352	2.2	10.8	NO	0.998	NO	bb
5	5	180130M2_6	Standard	5.000	5.60	6438.053	12067.352	6.669	4.4	-11.0	NO	0.998	NO	bb
6	6	180130M2_7	Standard	10.000	5.59	13914.285	12514.131	13.899	9.3	-6.8	NO	0.998	NO	bb
7	7	180130M2_8	Standard	50.000	5.59	57706.848	10850.401	66.480	45.4	-9.2	NO	0.998	NO	bb
8	8	180130M2_9	Standard	100.000	5.59	141099.344	11191.926	157.591	110.5	10.5	NO	0.998	NO	bb
9	9	180130M2_10	Standard	250.000	5.59	282392.344	10785.471	327.283	243.1	-2.8	NO	0.998	NO	bb
10	10	180130M2_11	Standard	500.000	5.59	501426.281	10467.454	598.792	502.2	0.4	NO	0.998	NO	bb

Compound name: N-MeFOSA
Correlation coefficient: r = 0.997510, r^2 = 0.995026
Calibration curve: 0.967768 * x + 0.447867
Response type: Internal Std (Ref 51), 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	180130M2_2	Standard	1.250	5.70	160.330	16447.836	1.462	1.0	-16.2	NO	0.995	NO	bb
2	2	180130M2_3	Standard	2.500	5.71	327.477	16202.515	3.032	2.7	6.8	NO	0.995	NO	bb
3	3	180130M2_4	Standard	5.000	5.71	629.732	17642.555	5.354	5.1	1.4	NO	0.995	NO	bb
4	4	180130M2_5	Standard	10.000	5.71	1248.572	16327.131	11.471	11.4	13.9	NO	0.995	NO	bb
5	5	180130M2_6	Standard	25.000	5.71	2841.527	16733.125	25.472	25.9	3.4	NO	0.995	NO	bb
6	6	180130M2_7	Standard	50.000	5.71	6451.300	17104.477	56.576	58.0	16.0	NO	0.995	NO	bb
7	7	180130M2_8	Standard	250.000	5.71	31397.322	17488.910	269.291	277.8	11.1	NO	0.995	NO	bb
8	8	180130M2_9	Standard	500.000	5.71	61615.895	18006.723	513.274	529.9	6.0	NO	0.995	NO	bb
9	9	180130M2_10	Standard	1250.000	5.71	130970.477	17167.242	1144.364	1182.0	-5.4	NO	0.995	NO	bb
10	10	180130M2_11	Standard	2500.000	5.71	247164.484	17554.230	2112.008	2181.9	-12.7	NO	0.995	NO	bdX

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.998380
Calibration curve: 0.00116218 * x^2 + 3.72741 * x + 0.213622
Response type: Internal Std (Ref 52), 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	180130M2_2	Standard	0.250	5.84	506.435	4814.393	1.315	0.3	18.2	NO	0.998	NO	bbX
2	2	180130M2_3	Standard	0.500	5.84	847.558	4451.768	2.380	0.6	16.2	NO	0.998	NO	bb
3	3	180130M2_4	Standard	1.000	5.84	1567.660	4605.410	4.255	1.1	8.4	NO	0.998	NO	bb
4	4	180130M2_5	Standard	2.000	5.85	2448.959	5326.945	5.747	1.5	-25.8	NO	0.998	NO	bb
5	5	180130M2_6	Standard	5.000	5.85	6981.399	4987.994	17.496	4.6	-7.4	NO	0.998	NO	bb
6	6	180130M2_7	Standard	10.000	5.84	18375.619	5603.112	40.994	10.9	9.0	NO	0.998	NO	bb
7	7	180130M2_8	Standard	50.000	5.84	77382.305	5129.476	188.573	49.8	-0.5	NO	0.998	NO	bb
8	8	180130M2_9	Standard	100.000	5.84	155153.625	5040.080	384.800	100.1	0.1	NO	0.998	NO	bb
9	9	180130M2_10	Standard	250.000	5.84	250574.375	5446.927	575.036	147.4	-41.0	YES	0.998	NO	bbX
10	10	180130M2_11	Standard	500.000	5.84	511010.469	5008.250	1275.422	311.8	-37.6	YES	0.998	NO	bbX

Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.998712
Calibration curve: -0.00135735 * x^2 + 2.29654 * x + 0.279781
Response type: Internal Std (Ref 52), 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	180130M2_2	Standard	0.250	6.06	325.508	4814.393	0.845	0.2	-1.5	NO	0.999	NO	bb
2	2	180130M2_3	Standard	0.500	6.06	414.491	4451.768	1.164	0.4	-23.0	NO	0.999	NO	bb
3	3	180130M2_4	Standard	1.000	6.06	1012.122	4605.410	2.747	1.1	7.5	NO	0.999	NO	bb
4	4	180130M2_5	Standard	2.000	6.06	2114.865	5326.945	4.963	2.0	2.1	NO	0.999	NO	bb
5	5	180130M2_6	Standard	5.000	6.07	4774.646	4987.994	11.965	5.1	2.1	NO	0.999	NO	bb
6	6	180130M2_7	Standard	10.000	6.06	11289.290	5603.112	25.185	10.9	9.2	NO	0.999	NO	bb
7	7	180130M2_8	Standard	50.000	6.06	47881.004	5129.476	116.681	52.3	4.6	NO	0.999	NO	bb
8	8	180130M2_9	Standard	100.000	6.06	89751.586	5040.080	222.595	103.1	3.1	NO	0.999	NO	bb
9	9	180130M2_10	Standard	250.000	6.06	203120.719	5446.927	466.136	235.7	-5.7	NO	0.999	NO	bb
10	10	180130M2_11	Standard	500.000	6.06	328198.250	5008.250	819.144	510.7	2.1	NO	0.999	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999373
Calibration curve: -4.62743e-005 * x^2 + 0.907515 * x + 0.0608264
Response type: Internal Std (Ref 53), 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	180130M2_2	Standard	1.250	6.12	194.223	26732.176	1.090	1.1	-9.3	NO	0.999	NO	bb
2	2	180130M2_3	Standard	2.500	6.13	383.935	25847.691	2.228	2.4	-4.5	NO	0.999	NO	bb
3	3	180130M2_4	Standard	5.000	6.13	805.617	25791.316	4.685	5.1	1.9	NO	0.999	NO	bb
4	4	180130M2_5	Standard	10.000	6.13	1585.093	26573.410	8.947	9.8	-2.0	NO	0.999	NO	bb
5	5	180130M2_6	Standard	25.000	6.13	3895.365	25316.451	23.080	25.4	1.6	NO	0.999	NO	bb
6	6	180130M2_7	Standard	50.000	6.13	8377.025	25481.031	49.313	54.4	8.8	NO	0.999	NO	bb
7	7	180130M2_8	Standard	250.000	6.13	41299.340	26351.174	235.090	262.5	5.0	NO	0.999	NO	bb
8	8	180130M2_9	Standard	500.000	6.13	79129.008	26572.170	446.684	505.1	1.0	NO	0.999	NO	bb
9	9	180130M2_10	Standard	1250.000	6.13	169427.813	24740.119	1027.245	1206.0	-3.5	NO	0.999	NO	bb
10	10	180130M2_11	Standard	2500.000	6.13	304852.156	22921.061	1995.013	2522.8	0.9	NO	0.999	NO	bb

Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999557
Calibration curve: -0.0005817 * x^2 + 0.611008 * x + 0.0713706
Response type: Internal Std (Ref 54), 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	180130M2_2	Standard	0.250	6.40	150.321	3669.718	0.205	0.2	-12.6	NO	1.000	NO	bb
2	2	180130M2_3	Standard	0.500	6.40	279.687	3465.723	0.404	0.5	8.8	NO	1.000	NO	bb
3	3	180130M2_4	Standard	1.000	6.41	508.604	4127.492	0.616	0.9	-10.8	NO	1.000	NO	bb
4	4	180130M2_5	Standard	2.000	6.41	1078.192	4006.979	1.345	2.1	4.5	NO	1.000	NO	bb
5	5	180130M2_6	Standard	5.000	6.41	2710.907	4192.145	3.233	5.2	4.0	NO	1.000	NO	bb
6	6	180130M2_7	Standard	10.000	6.41	4673.373	3563.170	6.558	10.7	7.3	NO	1.000	NO	bb
7	7	180130M2_8	Standard	50.000	6.40	22944.072	3902.427	29.397	50.4	0.8	NO	1.000	NO	bb
8	8	180130M2_9	Standard	100.000	6.40	46612.691	4303.081	54.162	97.6	-2.4	NO	1.000	NO	bb
9	9	180130M2_10	Standard	250.000	6.40	99023.617	4236.179	116.878	251.3	0.5	NO	1.000	NO	bb
10	10	180130M2_11	Standard	500.000	6.40	170139.297	4049.145	210.093			NO	1.000	NO	bbXI

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: PFODA
Coefficient of Determination: R^2 = 0.996012
Calibration curve: -0.000908448 * x^2 + 0.81449 * x + 0.0357617
Response type: Internal Std (Ref 54), 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	180130M2_2	Standard	0.250	6.64	158.263	3669.718	0.216	0.2	-11.6	NO	0.996	NO	bb
2	2	180130M2_3	Standard	0.500	6.64	338.998	3465.723	0.489	0.6	11.4	NO	0.996	NO	bb
3	3	180130M2_4	Standard	1.000	6.64	697.983	4127.492	0.846	1.0	-0.5	NO	0.996	NO	bb
4	4	180130M2_5	Standard	2.000	6.64	1245.379	4006.979	1.554	1.9	-6.6	NO	0.996	NO	bb
5	5	180130M2_6	Standard	5.000	6.64	3540.888	4192.145	4.223	5.2	3.4	NO	0.996	NO	bb
6	6	180130M2_7	Standard	10.000	6.64	7111.718	3563.170	9.979	12.4	23.8	NO	0.996	NO	bb
7	7	180130M2_8	Standard	50.000	6.64	31255.189	3902.427	40.046	52.2	4.3	NO	0.996	NO	bb
8	8	180130M2_9	Standard	100.000	6.64	57852.383	4303.081	67.222	91.9	-8.1	NO	0.996	NO	bb
9	9	180130M2_10	Standard	250.000	6.64	125867.570	4236.179	148.563	254.7	1.9	NO	0.996	NO	bb
10	10	180130M2_11	Standard	500.000	6.64	234253.500	4049.145	289.263			NO	0.996	NO	bbXI

Compound name: N-MeFOSE
Correlation coefficient: r = 0.996418, r^2 = 0.992848
Calibration curve: 0.916664 * x + 0.283188
Response type: Internal Std (Ref 55), 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	180130M2_2	Standard	1.250	6.30	163.462	20511.127	1.195	1.0	-20.4	NO	0.993	NO	bb
2	2	180130M2_3	Standard	2.500	6.30	420.015	25191.553	2.501	2.4	-3.2	NO	0.993	NO	bb
3	3	180130M2_4	Standard	5.000	6.30	787.427	25217.705	4.684	4.8	-4.0	NO	0.993	NO	bb
4	4	180130M2_5	Standard	10.000	6.30	1354.469	18800.625	10.807	11.5	14.8	NO	0.993	NO	bb
5	5	180130M2_6	Standard	25.000	6.30	3749.616	24643.811	22.823	24.6	-1.6	NO	0.993	NO	bb
6	6	180130M2_7	Standard	50.000	6.30	6708.870	21160.852	47.556	51.6	3.1	NO	0.993	NO	bd
7	7	180130M2_8	Standard	250.000	6.30	37693.520	25076.201	225.474	245.7	-1.7	NO	0.993	NO	bb
8	8	180130M2_9	Standard	500.000	6.30	85510.313	23019.229	557.210	607.6	21.5	NO	0.993	NO	bb
9	9	180130M2_10	Standard	1250.000	6.30	180450.969	25816.693	1048.455	1143.5	-8.5	NO	0.993	NO	bb
10	10	180130M2_11	Standard	2500.000	6.30	375097.469	24536.986	2293.053	2501.2	0.0	NO	0.993	NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: N-EtFOSE
Correlation coefficient: r = 0.996106, r^2 = 0.992228
Calibration curve: 1.16767 * x + 0.0208375
Response type: Internal Std (Ref 56), 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	180130M2_2	Standard	1.250	6.45	218.313	19448.451	1.684	1.4	13.9	NO	0.992	NO	bb
2	2	180130M2_3	Standard	2.500	6.45	434.112	24035.443	2.709	2.3	-7.9	NO	0.992	NO	bb
3	3	180130M2_4	Standard	5.000	6.45	698.316	24472.643	4.280	3.6	-27.0	NO	0.992	NO	bb
4	4	180130M2_5	Standard	10.000	6.45	1828.057	18758.516	14.618	12.5	25.0	NO	0.992	NO	bb
5	5	180130M2_6	Standard	25.000	6.45	3869.933	20007.965	29.013	24.8	-0.7	NO	0.992	NO	bb
6	6	180130M2_7	Standard	50.000	6.45	8816.345	25158.520	52.565	45.0	-10.0	NO	0.992	NO	bb
7	7	180130M2_8	Standard	250.000	6.45	47240.699	21715.514	326.315	279.4	11.8	NO	0.992	NO	bb
8	8	180130M2_9	Standard	500.000	6.45	87762.852	23753.662	554.206	474.6	-5.1	NO	0.992	NO	bb
9	9	180130M2_10	Standard	1250.000	6.45	236022.172	20525.086	1724.881	1477.2	18.2	NO	0.992	NO	bbX
10	10	180130M2_11	Standard	2500.000	6.45	382955.969	21442.361	2678.968	2294.3	-8.2	NO	0.992	NO	bbX

Compound name: 13C3-PFBA
Response Factor: 0.841532
RRF SD: 0.0337006, Relative SD: 4.00468
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	180130M2_2	Standard	12.500	1.29	6876.616	8210.687	10.469	12.4	-0.5	NO		NO	MM
2	2	180130M2_3	Standard	12.500	1.29	6670.910	8326.326	10.015	11.9	-4.8	NO		NO	MM
3	3	180130M2_4	Standard	12.500	1.29	6686.141	8545.569	9.780	11.6	-7.0	NO		NO	MM
4	4	180130M2_5	Standard	12.500	1.29	7453.242	8399.944	11.091	13.2	5.4	NO		NO	MM
5	5	180130M2_6	Standard	12.500	1.29	7296.654	8315.953	10.968	13.0	4.3	NO		NO	MM
6	6	180130M2_7	Standard	12.500	1.29	7576.361	8964.952	10.564	12.6	0.4	NO		NO	MM
7	7	180130M2_8	Standard	12.500	1.29	7914.732	9521.732	10.390	12.3	-1.2	NO		NO	MM
8	8	180130M2_9	Standard	12.500	1.29	8748.384	10081.110	10.847	12.9	3.1	NO		NO	bb
9	9	180130M2_10	Standard	12.500	1.29	7969.932	9700.431	10.270	12.2	-2.4	NO		NO	MM
10	10	180130M2_11	Standard	12.500	1.29	8561.667	9912.341	10.797	12.8	2.6	NO		NO	MM

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C3-PFPeA
Response Factor: 0.870345
RRF SD: 0.0403566, Relative SD: 4.63686
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	180130M2_2	Standard	12.500	2.24	11593.497	13011.596	11.138	12.8	2.4	NO		NO	bb
2	2	180130M2_3	Standard	12.500	2.24	11553.364	13195.139	10.945	12.6	0.6	NO		NO	bb
3	3	180130M2_4	Standard	12.500	2.24	12093.586	13969.374	10.822	12.4	-0.5	NO		NO	bb
4	4	180130M2_5	Standard	12.500	2.25	11420.756	13576.036	10.516	12.1	-3.3	NO		NO	bb
5	5	180130M2_6	Standard	12.500	2.25	11755.113	12245.354	12.000	13.8	10.3	NO		NO	bb
6	6	180130M2_7	Standard	12.500	2.25	12249.239	14139.857	10.829	12.4	-0.5	NO		NO	bb
7	7	180130M2_8	Standard	12.500	2.24	11794.470	14528.324	10.148	11.7	-6.7	NO		NO	bb
8	8	180130M2_9	Standard	12.500	2.25	12359.346	14090.640	10.964	12.6	0.8	NO		NO	bb
9	9	180130M2_10	Standard	12.500	2.25	11197.215	13488.114	10.377	11.9	-4.6	NO		NO	bb
10	10	180130M2_11	Standard	12.500	2.25	10759.299	12163.914	11.057	12.7	1.6	NO		NO	bb

Compound name: 13C3-PFBS
Response Factor: 0.109211
RRF SD: 0.00692146, Relative SD: 6.3377
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	180130M2_2	Standard	12.500	2.53	1557.144	13011.596	1.496	13.7	9.6	NO		NO	bb
2	2	180130M2_3	Standard	12.500	2.52	1504.408	13195.139	1.425	13.0	4.4	NO		NO	bb
3	3	180130M2_4	Standard	12.500	2.53	1373.188	13969.374	1.229	11.3	-10.0	NO		NO	bb
4	4	180130M2_5	Standard	12.500	2.53	1405.841	13576.036	1.294	11.9	-5.2	NO		NO	bb
5	5	180130M2_6	Standard	12.500	2.52	1473.915	12245.354	1.505	13.8	10.2	NO		NO	bb
6	6	180130M2_7	Standard	12.500	2.52	1524.539	14139.857	1.348	12.3	-1.3	NO		NO	bb
7	7	180130M2_8	Standard	12.500	2.52	1550.796	14528.324	1.334	12.2	-2.3	NO		NO	bb
8	8	180130M2_9	Standard	12.500	2.52	1524.122	14090.640	1.352	12.4	-1.0	NO		NO	bb
9	9	180130M2_10	Standard	12.500	2.53	1426.854	13488.114	1.322	12.1	-3.1	NO		NO	bb
10	10	180130M2_11	Standard	12.500	2.53	1309.955	12163.914	1.346	12.3	-1.4	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C2-PFHxA
Response Factor: 0.683986
RRF SD: 0.0402348, Relative SD: 5.8824
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	180130M2_2	Standard	5.000	3.02	3444.513	13011.596	3.309	4.8	-3.2	NO		NO	bb
2	2	180130M2_3	Standard	5.000	3.02	3804.890	13195.139	3.604	5.3	5.4	NO		NO	bb
3	3	180130M2_4	Standard	5.000	3.02	3925.958	13969.374	3.513	5.1	2.7	NO		NO	bb
4	4	180130M2_5	Standard	5.000	3.02	3424.845	13576.036	3.153	4.6	-7.8	NO		NO	bb
5	5	180130M2_6	Standard	5.000	3.02	3509.592	12245.354	3.583	5.2	4.8	NO		NO	bb
6	6	180130M2_7	Standard	5.000	3.02	3506.838	14139.857	3.100	4.5	-9.4	NO		NO	bb
7	7	180130M2_8	Standard	5.000	3.02	3857.463	14528.324	3.319	4.9	-3.0	NO		NO	bb
8	8	180130M2_9	Standard	5.000	3.02	4084.247	14090.640	3.623	5.3	5.9	NO		NO	bb
9	9	180130M2_10	Standard	5.000	3.02	3610.123	13488.114	3.346	4.9	-2.2	NO		NO	bb
10	10	180130M2_11	Standard	5.000	3.02	3550.825	12163.914	3.649	5.3	6.7	NO		NO	bb

Compound name: 13C4-PFHpA
Response Factor: 0.73222
RRF SD: 0.0705618, Relative SD: 9.6367
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	180130M2_2	Standard	12.500	3.64	8881.518	13011.596	8.532	11.7	-6.8	NO		NO	bb
2	2	180130M2_3	Standard	12.500	3.64	9917.206	13195.139	9.395	12.8	2.6	NO		NO	bb
3	3	180130M2_4	Standard	12.500	3.64	11092.101	13969.374	9.925	13.6	8.4	NO		NO	bb
4	4	180130M2_5	Standard	12.500	3.64	8887.327	13576.036	8.183	11.2	-10.6	NO		NO	bb
5	5	180130M2_6	Standard	12.500	3.64	10858.797	12245.354	11.085	15.1	21.1	NO		NO	bb
6	6	180130M2_7	Standard	12.500	3.64	10289.855	14139.857	9.096	12.4	-0.6	NO		NO	bb
7	7	180130M2_8	Standard	12.500	3.64	9713.688	14528.324	8.358	11.4	-8.7	NO		NO	bb
8	8	180130M2_9	Standard	12.500	3.64	10630.633	14090.640	9.431	12.9	3.0	NO		NO	bb
9	9	180130M2_10	Standard	12.500	3.64	9057.838	13488.114	8.394	11.5	-8.3	NO		NO	bb
10	10	180130M2_11	Standard	12.500	3.64	8883.200	12163.914	9.129	12.5	-0.3	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 18O2-PFHxS
Response Factor: 0.318489
RRF SD: 0.026213, Relative SD: 8.23042
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	180130M2_2	Standard	12.500	3.79	1053.045	3133.309	4.201	13.2	5.5	NO		NO	bb
2	2	180130M2_3	Standard	12.500	3.79	903.095	3317.915	3.402	10.7	-14.5	NO		NO	bb
3	3	180130M2_4	Standard	12.500	3.79	997.103	3208.628	3.884	12.2	-2.4	NO		NO	bb
4	4	180130M2_5	Standard	12.500	3.80	989.370	3366.284	3.674	11.5	-7.7	NO		NO	bb
5	5	180130M2_6	Standard	12.500	3.80	1029.990	2940.188	4.379	13.7	10.0	NO		NO	bb
6	6	180130M2_7	Standard	12.500	3.80	963.713	3305.314	3.645	11.4	-8.5	NO		NO	bb
7	7	180130M2_8	Standard	12.500	3.79	1168.792	3393.047	4.306	13.5	8.2	NO		NO	bb
8	8	180130M2_9	Standard	12.500	3.80	1095.959	3208.935	4.269	13.4	7.2	NO		NO	bb
9	9	180130M2_10	Standard	12.500	3.80	1005.605	3056.239	4.113	12.9	3.3	NO		NO	bb
10	10	180130M2_11	Standard	12.500	3.79	900.761	2859.102	3.938	12.4	-1.1	NO		NO	bb

Compound name: 13C2-6:2 FTS
not used.
Response Factor: 0.263169
RRF SD: 0.050723, Relative SD: 19.2739
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	180130M2_2	Standard	12.500	4.11	3156.692	13162.293	2.998	11.4	-8.9	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.11	3107.359	13413.036	2.896	11.0	-12.0	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.11	3000.727	12444.263	3.014	11.5	-8.4	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.11	3251.060	10618.383	3.827	14.5	16.3	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.11	2980.632	10983.482	3.392	12.9	3.1	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.11	2653.478	13183.299	2.516	9.6	-23.5	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.11	4092.189	11411.057	4.384	16.7	33.3	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.11	4850.995	14180.067	4.276	16.2	30.0	NO		NO	bbX
9	9	180130M2_10	Standard	12.500	4.11	5655.589	12593.902	5.613	21.3	70.6	NO		NO	bbX
10	10	180130M2_11	Standard	12.500	4.11	8018.997	9719.872	10.313	39.2	213.5	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C2-PFOA
Response Factor: 1.12022
RRF SD: 0.11738, Relative SD: 10.4783
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	180130M2_2	Standard	12.500	4.16	13083.550	13162.293	12.425	11.1	-11.3	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.16	12909.832	13413.036	12.031	10.7	-14.1	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.16	13755.024	12444.263	13.817	12.3	-1.3	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.17	12662.505	10618.383	14.906	13.3	6.5	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.17	13917.645	10983.482	15.839	14.1	13.1	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.17	13938.184	13183.299	13.216	11.8	-5.6	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.16	14519.339	11411.057	15.905	14.2	13.6	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.16	15012.127	14180.067	13.233	11.8	-5.5	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.16	13058.033	12593.902	12.961	11.6	-7.4	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.16	12203.416	9719.872	15.694	14.0	12.1	NO		NO	bb

Compound name: 13C5-PFNA
Response Factor: 0.920666
RRF SD: 0.0784975, Relative SD: 8.52617
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	180130M2_2	Standard	12.500	4.60	11924.658	13730.651	10.856	11.8	-5.7	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.60	12590.917	13491.499	11.666	12.7	1.4	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.61	13916.688	13218.265	13.160	14.3	14.4	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.61	11553.559	14457.424	9.989	10.9	-13.2	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.60	11286.473	13628.121	10.352	11.2	-10.0	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.60	12654.078	14589.838	10.842	11.8	-5.8	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.60	13283.173	13391.367	12.399	13.5	7.7	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.61	13966.063	14545.903	12.002	13.0	4.3	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.60	11905.473	12351.872	12.048	13.1	4.7	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.60	9374.423	9956.430	11.769	12.8	2.3	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C8-PFOSA
Response Factor: 0.244741
RRF SD: 0.0264031, Relative SD: 10.7882
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	12.500	4.66	3565.097	15755.338	2.828	11.6	-7.5	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.66	3407.638	15660.628	2.720	11.1	-11.1	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.67	3539.375	12675.027	3.491	14.3	14.1	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.67	3497.803	14189.852	3.081	12.6	0.7	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.67	3378.658	11842.846	3.566	14.6	16.6	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.67	3567.036	14412.081	3.094	12.6	1.1	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.66	3558.686	14198.612	3.133	12.8	2.4	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.67	3598.307	16312.248	2.757	11.3	-9.9	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.66	2758.122	13227.100	2.607	10.7	-14.8	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.66	2957.394	11149.031	3.316	13.5	8.4	NO		NO	bb

Compound name: 13C8-PFOS
Response Factor: 1.03353
RRF SD: 0.0998805, Relative SD: 9.66405
Response type: Internal Std (Ref 62), 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	180130M2_2	Standard	12.500	4.69	3303.503	3212.197	12.855	12.4	-0.5	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.69	2799.563	3362.358	10.408	10.1	-19.4	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.69	3313.572	3363.125	12.316	11.9	-4.7	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.69	3118.645	2718.791	14.338	13.9	11.0	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.69	3222.721	2720.529	14.807	14.3	14.6	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.69	3355.895	3128.131	13.410	13.0	3.8	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.69	3007.765	2802.440	13.416	13.0	3.8	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.69	3145.492	3275.906	12.002	11.6	-7.1	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.69	2900.628	2730.239	13.280	12.8	2.8	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.69	2708.485	2739.693	12.358	12.0	-4.3	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C2-PFDA
Response Factor: 1.07972
RRF SD: 0.153332, Relative SD: 14.2011
Response type: Internal Std (Ref 63), 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	180130M2_2	Standard	12.500	4.98	10373.150	11681.606	11.100	10.3	-17.8	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.98	11181.896	11524.776	12.128	11.2	-10.1	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.98	11103.892	10147.010	13.679	12.7	1.4	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.98	11098.916	12501.062	11.098	10.3	-17.8	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.98	13841.649	11576.651	14.946	13.8	10.7	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.98	13395.807	11702.526	14.309	13.3	6.0	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.98	13454.328	11645.483	14.442	13.4	7.0	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.98	12731.192	12593.452	12.637	11.7	-6.4	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.98	11335.476	10707.824	13.233	12.3	-2.0	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.98	12827.448	9217.814	17.395	16.1	28.9	NO		NO	bb

Compound name: 13C2-8:2 FTS
Response Factor: 0.164841
RRF SD: 0.0113088, Relative SD: 6.86043
Response type: Internal Std (Ref 58), Area * (IS Conc. / IS Area)
Curve type: RF

not used.

	#	Name	Type	Std. Conc	RT	Area	IS Area	Response	Conc.	%Dev	Conc. Flag	CoD	CoD Flag	x=excluded
1	1	180130M2_2	Standard	12.500	4.95	2169.507	13011.596	2.084	12.6	1.1	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.95	2044.149	13195.139	1.936	11.7	-6.0	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.95	2397.072	13969.374	2.145	13.0	4.1	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.95	2070.323	13576.036	1.906	11.6	-7.5	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.95	2248.008	12245.354	2.295	13.9	11.4	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.95	2193.152	14139.857	1.939	11.8	-5.9	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.95	2461.959	14528.324	2.118	12.9	2.8	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.95	3667.879	14090.640	3.254	19.7	57.9	NO		NO	bbX
9	9	180130M2_10	Standard	12.500	4.95	4299.694	13488.114	3.985	24.2	93.4	NO		NO	bbX
10	10	180130M2_11	Standard	12.500	4.95	5071.375	12163.914	5.211	31.6	152.9	NO		NO	bbX

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: d3-N-MeFOSAA
Response Factor: 0.397712
RRF SD: 0.048044, Relative SD: 12.0801
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	12.500	5.13	5651.358	15755.338	4.484	11.3	-9.8	NO		NO	bb
2	2	180130M2_3	Standard	12.500	5.13	5094.401	15660.628	4.066	10.2	-18.2	NO		NO	bb
3	3	180130M2_4	Standard	12.500	5.13	5659.655	12675.027	5.582	14.0	12.3	NO		NO	bb
4	4	180130M2_5	Standard	12.500	5.14	5256.864	14189.852	4.631	11.6	-6.9	NO		NO	bb
5	5	180130M2_6	Standard	12.500	5.13	5623.414	11842.846	5.935	14.9	19.4	NO		NO	bb
6	6	180130M2_7	Standard	12.500	5.13	5524.531	14412.081	4.792	12.0	-3.6	NO		NO	bb
7	7	180130M2_8	Standard	12.500	5.13	5612.226	14198.612	4.941	12.4	-0.6	NO		NO	bb
8	8	180130M2_9	Standard	12.500	5.13	6113.146	16312.248	4.684	11.8	-5.8	NO		NO	bb
9	9	180130M2_10	Standard	12.500	5.13	5111.627	13227.100	4.831	12.1	-2.8	NO		NO	bb
10	10	180130M2_11	Standard	12.500	5.13	5145.271	11149.031	5.769	14.5	16.0	NO		NO	bb

Compound name: d5-N-EtFOSAA
Response Factor: 0.424932
RRF SD: 0.0580241, Relative SD: 13.6549
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	12.500	5.28	6094.616	15755.338	4.835	11.4	-9.0	NO		NO	MM
2	2	180130M2_3	Standard	12.500	5.29	6234.195	15660.628	4.976	11.7	-6.3	NO		NO	MM
3	3	180130M2_4	Standard	12.500	5.29	6814.311	12675.027	6.720	15.8	26.5	NO		NO	MM
4	4	180130M2_5	Standard	12.500	5.29	4971.428	14189.852	4.379	10.3	-17.6	NO		NO	MM
5	5	180130M2_6	Standard	12.500	5.29	5897.333	11842.846	6.225	14.6	17.2	NO		NO	bb
6	6	180130M2_7	Standard	12.500	5.29	6240.996	14412.081	5.413	12.7	1.9	NO		NO	bb
7	7	180130M2_8	Standard	12.500	5.29	6520.371	14198.612	5.740	13.5	8.1	NO		NO	bb
8	8	180130M2_9	Standard	12.500	5.29	6313.640	16312.248	4.838	11.4	-8.9	NO		NO	bb
9	9	180130M2_10	Standard	12.500	5.29	5061.634	13227.100	4.783	11.3	-9.9	NO		NO	bb
10	10	180130M2_11	Standard	12.500	5.29	4643.514	11149.031	5.206	12.3	-2.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C2-PFUdA
Response Factor: 1.0474
RRF SD: 0.125136, Relative SD: 11.9473
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	12.500	5.30	16376.577	15755.338	12.993	12.4	-0.8	NO		NO	bb
2	2	180130M2_3	Standard	12.500	5.30	14143.141	15660.628	11.289	10.8	-13.8	NO		NO	bb
3	3	180130M2_4	Standard	12.500	5.31	14888.429	12675.027	14.683	14.0	12.1	NO		NO	bb
4	4	180130M2_5	Standard	12.500	5.31	15103.803	14189.852	13.305	12.7	1.6	NO		NO	bb
5	5	180130M2_6	Standard	12.500	5.31	14910.061	11842.846	15.737	15.0	20.2	NO		NO	bb
6	6	180130M2_7	Standard	12.500	5.31	14939.002	14412.081	12.957	12.4	-1.0	NO		NO	bb
7	7	180130M2_8	Standard	12.500	5.31	13571.186	14198.612	11.948	11.4	-8.7	NO		NO	bb
8	8	180130M2_9	Standard	12.500	5.31	14580.421	16312.248	11.173	10.7	-14.7	NO		NO	bb
9	9	180130M2_10	Standard	12.500	5.31	12712.355	13227.100	12.014	11.5	-8.2	NO		NO	bb
10	10	180130M2_11	Standard	12.500	5.31	13224.735	11149.031	14.827	14.2	13.2	NO		NO	bb

Compound name: 13C2-PFDoA
Response Factor: 0.805274
RRF SD: 0.138303, Relative SD: 17.1746
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	12.500	5.59	9896.215	15755.338	7.851	9.8	-22.0	NO		NO	bb
2	2	180130M2_3	Standard	12.500	5.59	9179.814	15660.628	7.327	9.1	-27.2	NO		NO	bb
3	3	180130M2_4	Standard	12.500	5.59	11021.308	12675.027	10.869	13.5	8.0	NO		NO	bb
4	4	180130M2_5	Standard	12.500	5.59	12445.758	14189.852	10.964	13.6	8.9	NO		NO	bb
5	5	180130M2_6	Standard	12.500	5.59	12067.352	11842.846	12.737	15.8	26.5	NO		NO	bb
6	6	180130M2_7	Standard	12.500	5.60	12514.131	14412.081	10.854	13.5	7.8	NO		NO	bb
7	7	180130M2_8	Standard	12.500	5.60	10850.401	14198.612	9.552	11.9	-5.1	NO		NO	bb
8	8	180130M2_9	Standard	12.500	5.59	11191.926	16312.248	8.576	10.7	-14.8	NO		NO	bb
9	9	180130M2_10	Standard	12.500	5.59	10785.471	13227.100	10.193	12.7	1.3	NO		NO	bb
10	10	180130M2_11	Standard	12.500	5.59	10467.454	11149.031	11.736	14.6	16.6	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: d3-N-MeFOSA
Response Factor: 0.103574
RRF SD: 0.0146509, Relative SD: 14.1454
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	150.000	5.74	16447.836	15755.338	13.049	126.0	-16.0	NO		NO	bb
2	2	180130M2_3	Standard	150.000	5.74	16202.515	15660.628	12.933	124.9	-16.8	NO		NO	bb
3	3	180130M2_4	Standard	150.000	5.74	17642.555	12675.027	17.399	168.0	12.0	NO		NO	bb
4	4	180130M2_5	Standard	150.000	5.74	16327.131	14189.852	14.383	138.9	-7.4	NO		NO	bb
5	5	180130M2_6	Standard	150.000	5.74	16733.125	11842.846	17.662	170.5	13.7	NO		NO	bb
6	6	180130M2_7	Standard	150.000	5.74	17104.477	14412.081	14.835	143.2	-4.5	NO		NO	bb
7	7	180130M2_8	Standard	150.000	5.74	17488.910	14198.612	15.397	148.7	-0.9	NO		NO	bb
8	8	180130M2_9	Standard	150.000	5.74	18006.723	16312.248	13.798	133.2	-11.2	NO		NO	bb
9	9	180130M2_10	Standard	150.000	5.74	17167.242	13227.100	16.224	156.6	4.4	NO		NO	bb
10	10	180130M2_11	Standard	150.000	5.74	17554.230	11149.031	19.681	190.0	26.7	NO		NO	bb

Compound name: 13C2-PFTeDA
Response Factor: 0.36698
RRF SD: 0.0540347, Relative SD: 14.7241
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	12.500	6.07	4814.393	15755.338	3.820	10.4	-16.7	NO		NO	bb
2	2	180130M2_3	Standard	12.500	6.07	4451.768	15660.628	3.553	9.7	-22.5	NO		NO	bb
3	3	180130M2_4	Standard	12.500	6.06	4605.410	12675.027	4.542	12.4	-1.0	NO		NO	bb
4	4	180130M2_5	Standard	12.500	6.06	5326.945	14189.852	4.693	12.8	2.3	NO		NO	bb
5	5	180130M2_6	Standard	12.500	6.06	4987.994	11842.846	5.265	14.3	14.8	NO		NO	bb
6	6	180130M2_7	Standard	12.500	6.06	5603.112	14412.081	4.860	13.2	5.9	NO		NO	bb
7	7	180130M2_8	Standard	12.500	6.07	5129.476	14198.612	4.516	12.3	-1.6	NO		NO	bb
8	8	180130M2_9	Standard	12.500	6.06	5040.080	16312.248	3.862	10.5	-15.8	NO		NO	bb
9	9	180130M2_10	Standard	12.500	6.07	5446.927	13227.100	5.148	14.0	12.2	NO		NO	bb
10	10	180130M2_11	Standard	12.500	6.06	5008.250	11149.031	5.615	15.3	22.4	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: d5-N-ETFOSA
Response Factor: 0.154763
RRF SD: 0.014663, Relative SD: 9.47446
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	150.000	6.14	26732.176	15755.338	21.209	137.0	-8.6	NO		NO	bb
2	2	180130M2_3	Standard	150.000	6.14	25847.691	15660.628	20.631	133.3	-11.1	NO		NO	bb
3	3	180130M2_4	Standard	150.000	6.15	25791.316	12675.027	25.435	164.3	9.6	NO		NO	bb
4	4	180130M2_5	Standard	150.000	6.15	26573.410	14189.852	23.409	151.3	0.8	NO		NO	bb
5	5	180130M2_6	Standard	150.000	6.15	25316.451	11842.846	26.721	172.7	15.1	NO		NO	bb
6	6	180130M2_7	Standard	150.000	6.15	25481.031	14412.081	22.100	142.8	-4.8	NO		NO	bb
7	7	180130M2_8	Standard	150.000	6.15	26351.174	14198.612	23.199	149.9	-0.1	NO		NO	bb
8	8	180130M2_9	Standard	150.000	6.15	26572.170	16312.248	20.362	131.6	-12.3	NO		NO	bb
9	9	180130M2_10	Standard	150.000	6.15	24740.119	13227.100	23.380	151.1	0.7	NO		NO	bb
10	10	180130M2_11	Standard	150.000	6.15	22921.061	11149.031	25.698	166.1	10.7	NO		NO	bb

Compound name: 13C2-PFHxDA
Response Factor: 0.721387
RRF SD: 0.12471, Relative SD: 17.2875
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	5.000	6.40	3669.718	15755.338	2.911	4.0	-19.3	NO		NO	bb
2	2	180130M2_3	Standard	5.000	6.40	3465.723	15660.628	2.766	3.8	-23.3	NO		NO	bb
3	3	180130M2_4	Standard	5.000	6.41	4127.492	12675.027	4.070	5.6	12.9	NO		NO	bb
4	4	180130M2_5	Standard	5.000	6.41	4006.979	14189.852	3.530	4.9	-2.1	NO		NO	bb
5	5	180130M2_6	Standard	5.000	6.41	4192.145	11842.846	4.425	6.1	22.7	NO		NO	bb
6	6	180130M2_7	Standard	5.000	6.41	3563.170	14412.081	3.090	4.3	-14.3	NO		NO	bb
7	7	180130M2_8	Standard	5.000	6.40	3902.427	14198.612	3.436	4.8	-4.8	NO		NO	bb
8	8	180130M2_9	Standard	5.000	6.40	4303.081	16312.248	3.297	4.6	-8.6	NO		NO	bb
9	9	180130M2_10	Standard	5.000	6.40	4236.179	13227.100	4.003	5.5	11.0	NO		NO	bb
10	10	180130M2_11	Standard	5.000	6.40	4049.145	11149.031	4.540	6.3	25.9	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: d7-N-MeFOSE
Response Factor: 0.142533
RRF SD: 0.0276541, Relative SD: 19.4019
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	150.000	6.28	20511.127	15755.338	16.273	114.2	-23.9	NO		NO	bb
2	2	180130M2_3	Standard	150.000	6.28	25191.553	15660.628	20.107	141.1	-6.0	NO		NO	bb
3	3	180130M2_4	Standard	150.000	6.29	25217.705	12675.027	24.869	174.5	16.3	NO		NO	bb
4	4	180130M2_5	Standard	150.000	6.29	18800.625	14189.852	16.562	116.2	-22.5	NO		NO	bd
5	5	180130M2_6	Standard	150.000	6.30	24643.811	11842.846	26.011	182.5	21.7	NO		NO	bb
6	6	180130M2_7	Standard	150.000	6.29	21160.852	14412.081	18.353	128.8	-14.2	NO		NO	bb
7	7	180130M2_8	Standard	150.000	6.29	25076.201	14198.612	22.076	154.9	3.3	NO		NO	bb
8	8	180130M2_9	Standard	150.000	6.29	23019.229	16312.248	17.640	123.8	-17.5	NO		NO	bb
9	9	180130M2_10	Standard	150.000	6.29	25816.693	13227.100	24.398	171.2	14.1	NO		NO	bb
10	10	180130M2_11	Standard	150.000	6.28	24536.986	11149.031	27.510	193.0	28.7	NO		NO	bb

Compound name: d9-N-EtFOSE
Response Factor: 0.132647
RRF SD: 0.019358, Relative SD: 14.5937
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	150.000	6.44	19448.451	15755.338	15.430	116.3	-22.5	NO		NO	bb
2	2	180130M2_3	Standard	150.000	6.44	24035.443	15660.628	19.185	144.6	-3.6	NO		NO	bd
3	3	180130M2_4	Standard	150.000	6.44	24472.643	12675.027	24.135	181.9	21.3	NO		NO	bb
4	4	180130M2_5	Standard	150.000	6.44	18758.516	14189.852	16.525	124.6	-16.9	NO		NO	bb
5	5	180130M2_6	Standard	150.000	6.44	20007.965	11842.846	21.118	159.2	6.1	NO		NO	bb
6	6	180130M2_7	Standard	150.000	6.44	25158.520	14412.081	21.821	164.5	9.7	NO		NO	bb
7	7	180130M2_8	Standard	150.000	6.44	21715.514	14198.612	19.118	144.1	-3.9	NO		NO	bb
8	8	180130M2_9	Standard	150.000	6.44	23753.662	16312.248	18.202	137.2	-8.5	NO		NO	bb
9	9	180130M2_10	Standard	150.000	6.44	20525.086	13227.100	19.397	146.2	-2.5	NO		NO	bb
10	10	180130M2_11	Standard	150.000	6.44	21442.361	11149.031	24.041	181.2	20.8	NO		NO	bb

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C4-PFBA
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	180130M2_2	Standard	12.500	1.28	8210.687	8210.687	12.500	12.5	0.0	NO		NO	MM
2	2	180130M2_3	Standard	12.500	1.28	8326.326	8326.326	12.500	12.5	0.0	NO		NO	MM
3	3	180130M2_4	Standard	12.500	1.28	8545.569	8545.569	12.500	12.5	0.0	NO		NO	MM
4	4	180130M2_5	Standard	12.500	1.29	8399.944	8399.944	12.500	12.5	0.0	NO		NO	MM
5	5	180130M2_6	Standard	12.500	1.28	8315.953	8315.953	12.500	12.5	0.0	NO		NO	MM
6	6	180130M2_7	Standard	12.500	1.29	8964.952	8964.952	12.500	12.5	0.0	NO		NO	bb
7	7	180130M2_8	Standard	12.500	1.29	9521.732	9521.732	12.500	12.5	0.0	NO		NO	MM
8	8	180130M2_9	Standard	12.500	1.29	10081.110	10081.110	12.500	12.5	0.0	NO		NO	bb
9	9	180130M2_10	Standard	12.500	1.29	9700.431	9700.431	12.500	12.5	0.0	NO		NO	db
10	10	180130M2_11	Standard	12.500	1.29	9912.341	9912.341	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 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	180130M2_2	Standard	12.500	3.02	13011.596	13011.596	12.500	12.5	0.0	NO		NO	bb
2	2	180130M2_3	Standard	12.500	3.02	13195.139	13195.139	12.500	12.5	0.0	NO		NO	bb
3	3	180130M2_4	Standard	12.500	3.02	13969.374	13969.374	12.500	12.5	0.0	NO		NO	bb
4	4	180130M2_5	Standard	12.500	3.02	13576.036	13576.036	12.500	12.5	0.0	NO		NO	bb
5	5	180130M2_6	Standard	12.500	3.02	12245.354	12245.354	12.500	12.5	0.0	NO		NO	bb
6	6	180130M2_7	Standard	12.500	3.02	14139.857	14139.857	12.500	12.5	0.0	NO		NO	bb
7	7	180130M2_8	Standard	12.500	3.02	14528.324	14528.324	12.500	12.5	0.0	NO		NO	bb
8	8	180130M2_9	Standard	12.500	3.02	14090.640	14090.640	12.500	12.5	0.0	NO		NO	bb
9	9	180130M2_10	Standard	12.500	3.02	13488.114	13488.114	12.500	12.5	0.0	NO		NO	bb
10	10	180130M2_11	Standard	12.500	3.02	12163.914	12163.914	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C3-PFHxS
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	180130M2_2	Standard	12.500	3.79	3133.309	3133.309	12.500	12.5	0.0	NO		NO	bb
2	2	180130M2_3	Standard	12.500	3.79	3317.915	3317.915	12.500	12.5	0.0	NO		NO	bb
3	3	180130M2_4	Standard	12.500	3.79	3208.628	3208.628	12.500	12.5	0.0	NO		NO	bb
4	4	180130M2_5	Standard	12.500	3.80	3366.284	3366.284	12.500	12.5	0.0	NO		NO	bb
5	5	180130M2_6	Standard	12.500	3.80	2940.188	2940.188	12.500	12.5	0.0	NO		NO	bb
6	6	180130M2_7	Standard	12.500	3.80	3305.314	3305.314	12.500	12.5	0.0	NO		NO	bb
7	7	180130M2_8	Standard	12.500	3.79	3393.047	3393.047	12.500	12.5	0.0	NO		NO	bb
8	8	180130M2_9	Standard	12.500	3.80	3208.935	3208.935	12.500	12.5	0.0	NO		NO	bb
9	9	180130M2_10	Standard	12.500	3.79	3056.239	3056.239	12.500	12.5	0.0	NO		NO	bb
10	10	180130M2_11	Standard	12.500	3.80	2859.102	2859.102	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C8-PFOA
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	180130M2_2	Standard	12.500	4.16	13162.293	13162.293	12.500	12.5	0.0	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.16	13413.036	13413.036	12.500	12.5	0.0	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.16	12444.263	12444.263	12.500	12.5	0.0	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.17	10618.383	10618.383	12.500	12.5	0.0	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.17	10983.482	10983.482	12.500	12.5	0.0	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.17	13183.299	13183.299	12.500	12.5	0.0	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.16	11411.057	11411.057	12.500	12.5	0.0	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.16	14180.067	14180.067	12.500	12.5	0.0	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.16	12593.902	12593.902	12.500	12.5	0.0	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.17	9719.872	9719.872	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C9-PFNA
Response Factor: 1
RRF SD: 0, Relative SD: 0
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	180130M2_2	Standard	12.500	4.60	13730.651	13730.651	12.500	12.5	0.0	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.60	13491.499	13491.499	12.500	12.5	0.0	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.60	13218.265	13218.265	12.500	12.5	0.0	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.61	14457.424	14457.424	12.500	12.5	0.0	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.60	13628.121	13628.121	12.500	12.5	0.0	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.60	14589.838	14589.838	12.500	12.5	0.0	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.60	13391.367	13391.367	12.500	12.5	0.0	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.61	14545.903	14545.903	12.500	12.5	0.0	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.60	12351.872	12351.872	12.500	12.5	0.0	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.60	9956.430	9956.430	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 62), 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	180130M2_2	Standard	12.500	4.69	3212.197	3212.197	12.500	12.5	0.0	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.69	3362.358	3362.358	12.500	12.5	0.0	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.69	3363.125	3363.125	12.500	12.5	0.0	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.69	2718.791	2718.791	12.500	12.5	0.0	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.69	2720.529	2720.529	12.500	12.5	0.0	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.69	3128.131	3128.131	12.500	12.5	0.0	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.69	2802.440	2802.440	12.500	12.5	0.0	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.69	3275.906	3275.906	12.500	12.5	0.0	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.69	2730.239	2730.239	12.500	12.5	0.0	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.69	2739.693	2739.693	12.500	12.5	0.0	NO		NO	bb

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C6-PFDA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 63), 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	180130M2_2	Standard	12.500	4.98	11681.606	11681.606	12.500	12.5	0.0	NO		NO	bb
2	2	180130M2_3	Standard	12.500	4.98	11524.776	11524.776	12.500	12.5	0.0	NO		NO	bb
3	3	180130M2_4	Standard	12.500	4.98	10147.010	10147.010	12.500	12.5	0.0	NO		NO	bb
4	4	180130M2_5	Standard	12.500	4.98	12501.062	12501.062	12.500	12.5	0.0	NO		NO	bb
5	5	180130M2_6	Standard	12.500	4.98	11576.651	11576.651	12.500	12.5	0.0	NO		NO	bb
6	6	180130M2_7	Standard	12.500	4.98	11702.526	11702.526	12.500	12.5	0.0	NO		NO	bb
7	7	180130M2_8	Standard	12.500	4.98	11645.483	11645.483	12.500	12.5	0.0	NO		NO	bb
8	8	180130M2_9	Standard	12.500	4.98	12593.452	12593.452	12.500	12.5	0.0	NO		NO	bb
9	9	180130M2_10	Standard	12.500	4.98	10707.824	10707.824	12.500	12.5	0.0	NO		NO	bb
10	10	180130M2_11	Standard	12.500	4.98	9217.814	9217.814	12.500	12.5	0.0	NO		NO	bb

Compound name: 13C7-PFUdA
Response Factor: 1
RRF SD: 0, Relative SD: 0
Response type: Internal Std (Ref 64), 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	180130M2_2	Standard	12.500	5.30	15755.338	15755.338	12.500	12.5	0.0	NO		NO	bb
2	2	180130M2_3	Standard	12.500	5.30	15660.628	15660.628	12.500	12.5	0.0	NO		NO	bb
3	3	180130M2_4	Standard	12.500	5.30	12675.027	12675.027	12.500	12.5	0.0	NO		NO	bb
4	4	180130M2_5	Standard	12.500	5.31	14189.852	14189.852	12.500	12.5	0.0	NO		NO	bb
5	5	180130M2_6	Standard	12.500	5.31	11842.846	11842.846	12.500	12.5	0.0	NO		NO	bb
6	6	180130M2_7	Standard	12.500	5.31	14412.081	14412.081	12.500	12.5	0.0	NO		NO	bb
7	7	180130M2_8	Standard	12.500	5.31	14198.612	14198.612	12.500	12.5	0.0	NO		NO	bb
8	8	180130M2_9	Standard	12.500	5.31	16312.248	16312.248	12.500	12.5	0.0	NO		NO	bb
9	9	180130M2_10	Standard	12.500	5.30	13227.100	13227.100	12.500	12.5	0.0	NO		NO	bb
10	10	180130M2_11	Standard	12.500	5.30	11149.031	11149.031	12.500	12.5	0.0	NO		NO	bb

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Compound name: 13C2-4:2 FTS
Response Factor: 0.2749
RRF SD: 0.0536262, Relative SD: 19.5075
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	180130M2_2	Standard	12.500	2.93	3217.796	13011.596	3.091	11.2	-10.0	NO		NO	bb
2	2	180130M2_3	Standard	12.500	2.93	3239.996	13195.139	3.069	11.2	-10.7	NO		NO	bb
3	3	180130M2_4	Standard	12.500	2.93	3408.473	13969.374	3.050	11.1	-11.2	NO		NO	bb
4	4	180130M2_5	Standard	12.500	2.93	2957.988	13576.036	2.724	9.9	-20.7	NO		NO	bb
5	5	180130M2_6	Standard	12.500	2.93	3295.877	12245.354	3.364	12.2	-2.1	NO		NO	bb
6	6	180130M2_7	Standard	12.500	2.93	3567.222	14139.857	3.154	11.5	-8.2	NO		NO	bb
7	7	180130M2_8	Standard	12.500	2.93	4012.883	14528.324	3.453	12.6	0.5	NO		NO	bb
8	8	180130M2_9	Standard	12.500	2.93	4656.155	14090.640	4.131	15.0	20.2	NO		NO	bb
9	9	180130M2_10	Standard	12.500	2.93	5277.693	13488.114	4.891	17.8	42.3	NO		NO	bb
10	10	180130M2_11	Standard	12.500	2.93	7300.226	12163.914	7.502	27.3	118.3	NO		NO	bbX

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Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:02:09 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 08:59:53
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_2, Date: 30-Jan-2018, Time: 11:44:38, ID: ST180130M2-1 PFC CS-2 18A1904, Description: PFC CS-2 18A1904

	#	Name	CoD	CoD Flag	%RSD
1	1	PFBA	0.9987	NO	
2	2	PFPeA	0.9997	NO	
3	3	PFBS	0.9996	NO	
4	4	4:2 FTS	0.9986	NO	
5	5	PFHxA	0.9991	NO	
6	6	PFPeS	0.9985	NO	
7	7	PFHpA	0.9938	NO	
8	8	L-PFHxS	0.9975	NO	
9	10	6:2 FTS	0.9990	NO	
10	11	L-PFOA	0.9996	NO	
11	13	PFHpS	0.9982	NO	
12	14	PFNA	0.9983	NO	
13	15	PFOSA	0.9949	NO	
14	16	L-PFOS	0.9992	NO	
15	18	PFDA	0.9980	NO	
16	19	8:2 FTS	0.9941	NO	
17	20	PFNS	0.9989	NO	
18	21	N-MeFOSAA	0.9989	NO	
19	22	N-EtFOSAA	0.9989	NO	
20	23	PFUdA	0.9993	NO	
21	24	PFDS	0.9986	NO	
22	25	PFDoA	0.9976	NO	
23	26	N-MeFOSA	0.9950	NO	
24	27	PFTrDA	0.9984	NO	
25	28	PFTeDA	0.9987	NO	
26	29	N-EtFOSA	0.9994	NO	
27	30	PFHxDA	0.9996	NO	
28	31	PFODA	0.9960	NO	
29	32	N-MeFOSE	0.9928	NO	
30	33	N-EtFOSE	0.9922	NO	
31	34	13C3-PFBA		NO	4.005

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Dataset: Untitled

Last Altered: Wednesday, January 31, 2018 10:09:07 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:09:21 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Compound name: PFBA

	Name	ID	Acq.Date	Acq.Time
1	180130M2_1	IPA	30-Jan-18	11:33:07
2	180130M2_2	ST180130M2-1 PFC CS-2 18A1904	30-Jan-18	11:44:38
3	180130M2_3	ST180130M2-2 PFC CS-1 18A1905	30-Jan-18	11:56:07
4	180130M2_4	ST180130M2-3 PFC CS0 18A1906	30-Jan-18	12:07:36
5	180130M2_5	ST180130M2-4 PFC CS1 18A1907	30-Jan-18	12:19:06
6	180130M2_6	ST180130M2-5 PFC CS2 18A1908	30-Jan-18	12:30:35
7	180130M2_7	ST180130M2-6 PFC CS3 18A1909	30-Jan-18	12:42:05
8	180130M2_8	ST180130M2-7 PFC CS4 18A1910	30-Jan-18	12:53:35
9	180130M2_9	ST180130M2-8 PFC CS5 18A1911	30-Jan-18	13:05:04
10	180130M2_10	ST180130M2-9 PFC CS6 18A2403	30-Jan-18	13:16:34
11	180130M2_11	ST180130M2-10 PFC CS7 18A2404	30-Jan-18	13:28:04
12	180130M2_12	IPA	30-Jan-18	13:39:34
13	180130M2_13	ICV180130M2-1 PFC ICV 18A1903	30-Jan-18	13:51:03
14	180130M2_14	IPA	30-Jan-18	14:02:33

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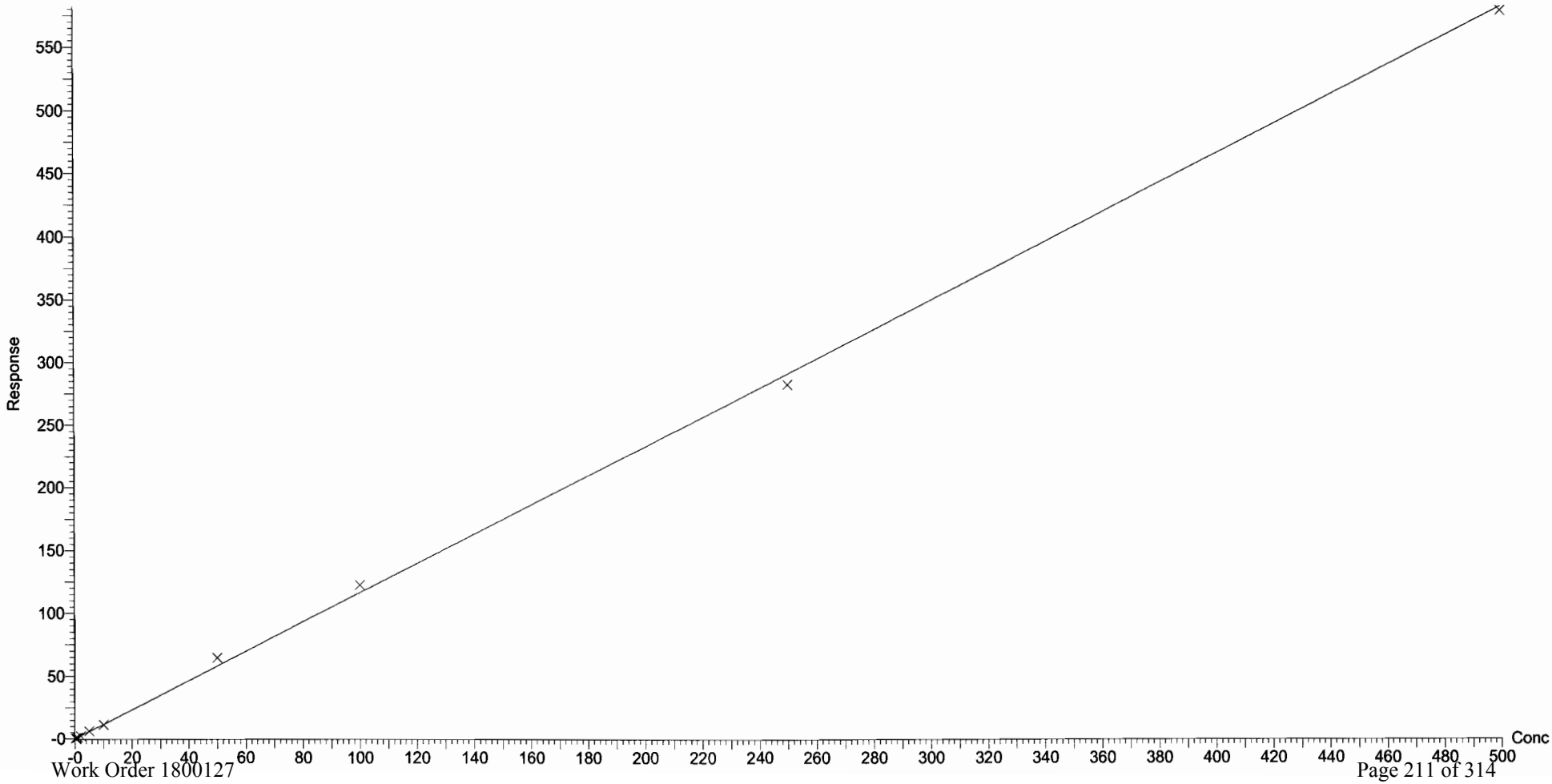
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 08:59:53
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

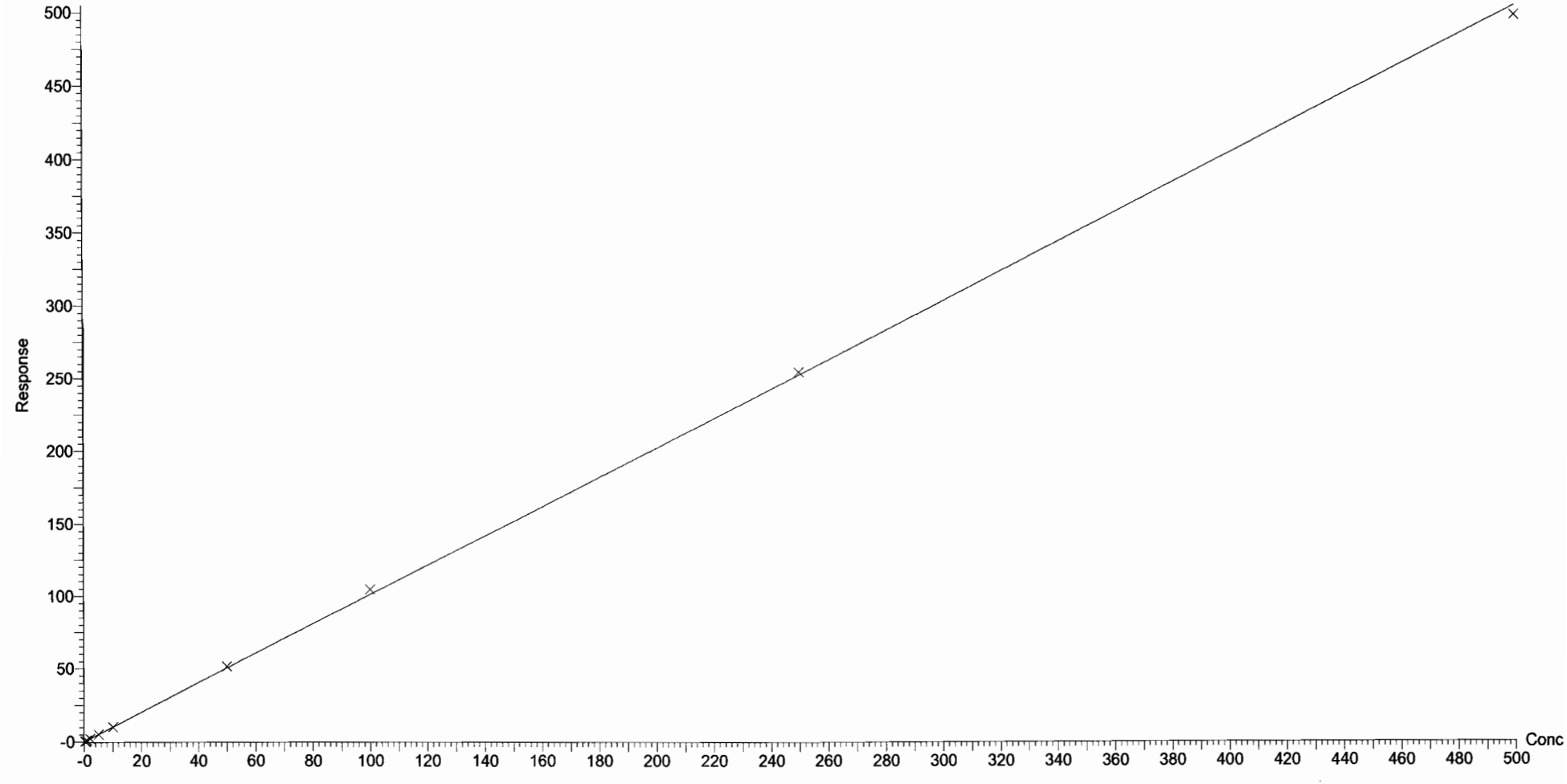
Compound name: PFBA
Correlation coefficient: r = 0.999349, r^2 = 0.998699
Calibration curve: 1.16442 * x + -0.0439979
Response type: Internal Std (Ref 34), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

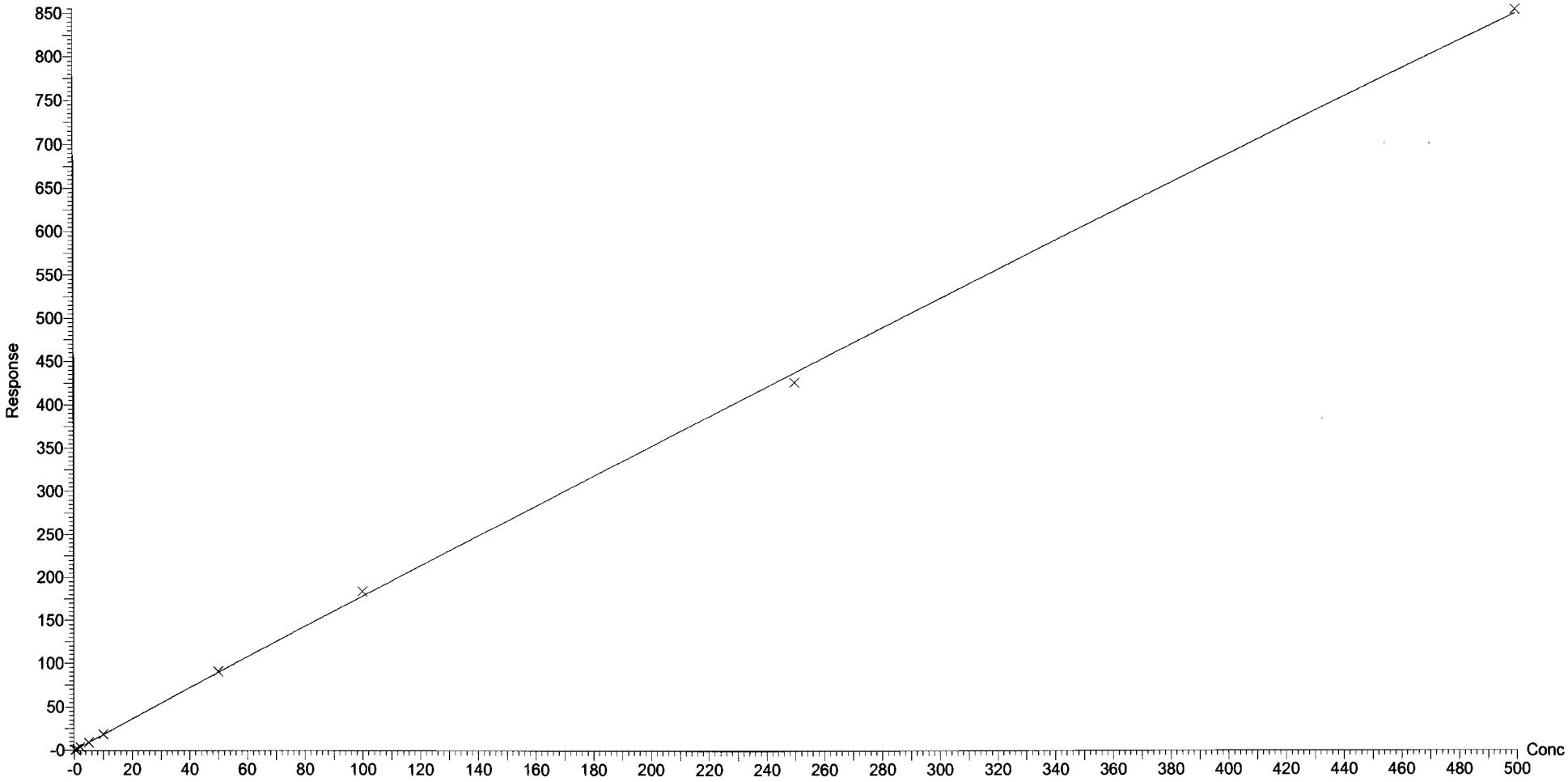
Compound name: PFPeA
Correlation coefficient: r = 0.999864, r^2 = 0.999727
Calibration curve: 1.00957 * x + 0.0379804
Response type: Internal Std (Ref 35), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

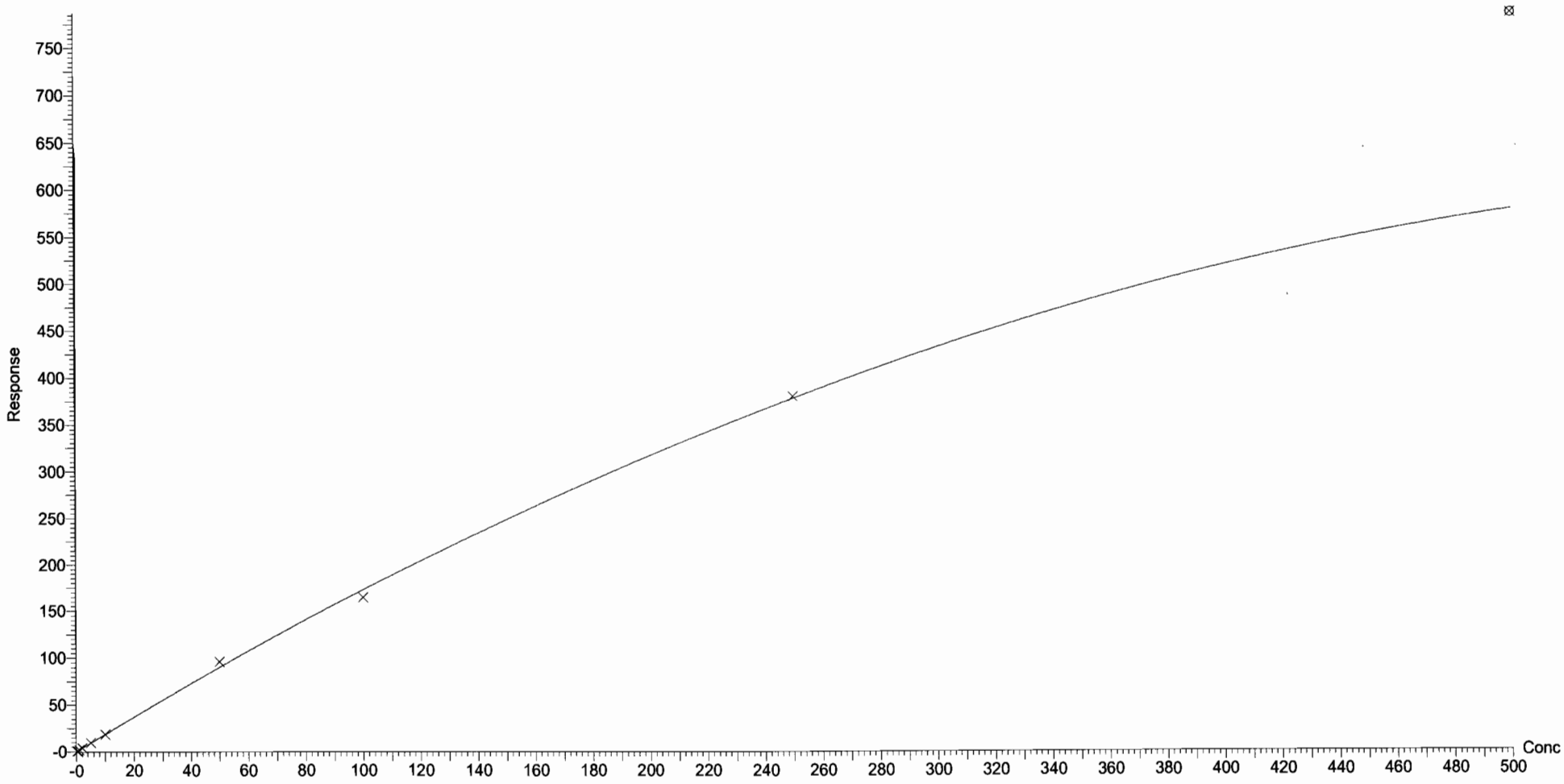
Compound name: PFBS
Coefficient of Determination: R^2 = 0.999648
Calibration curve: -0.000192588 * x^2 + 1.79867 * x + 0.0797843
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

Compound name: 4:2 FTS
Coefficient of Determination: R^2 = 0.998629
Calibration curve: -0.00142534 * x^2 + 1.86892 * x + 0.00922081
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None

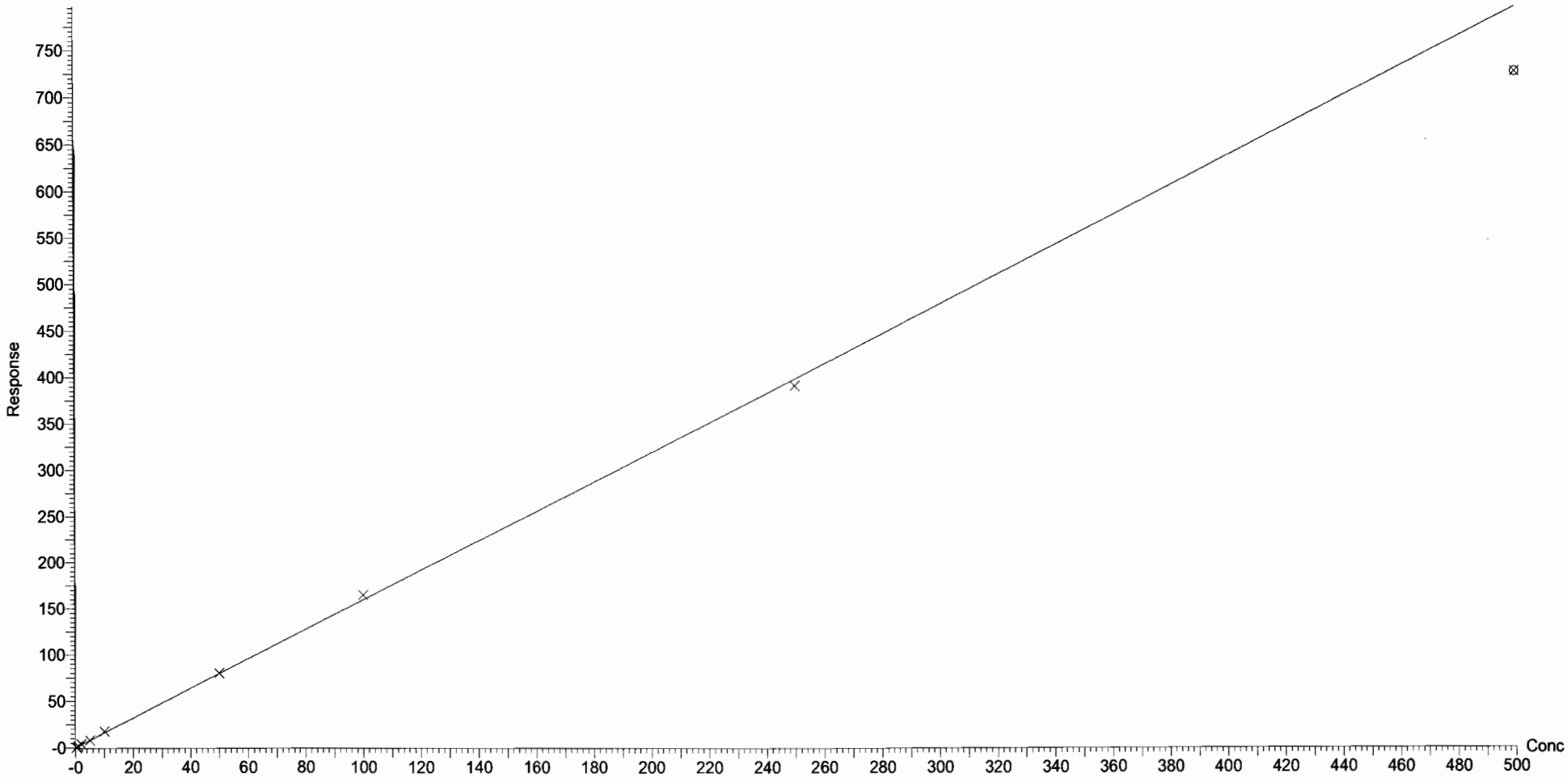


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

Compound name: PFHxA
Correlation coefficient: r = 0.999536, r^2 = 0.999072
Calibration curve: 1.59305 * x + 0.154027
Response type: Internal Std (Ref 37), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

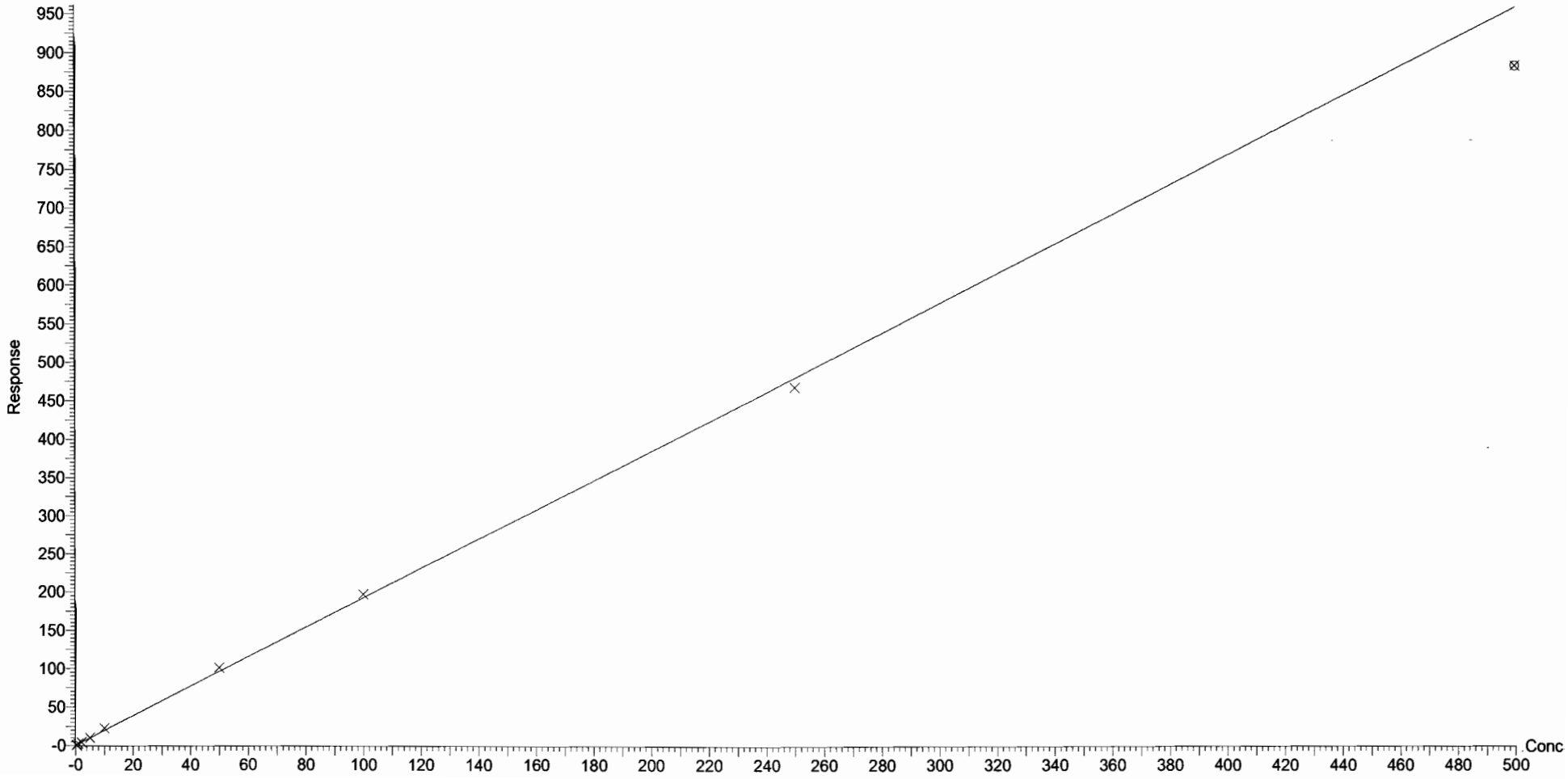


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

Compound name: PFPeS
Correlation coefficient: r = 0.999248, r^2 = 0.998497
Calibration curve: 1.92186 * x + 0.239017
Response type: Internal Std (Ref 36), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None

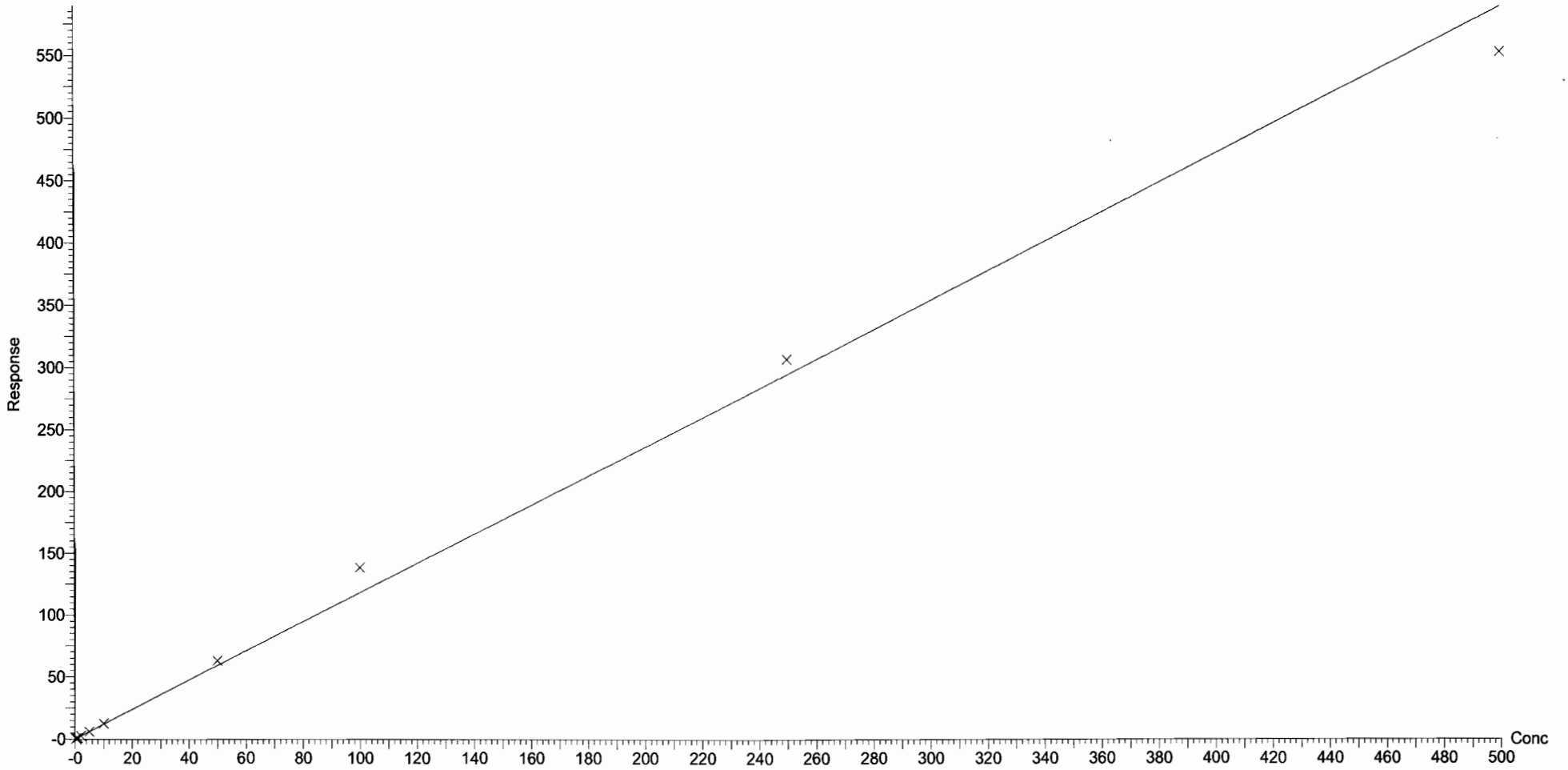


Vista Analytical Laboratory Q1

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

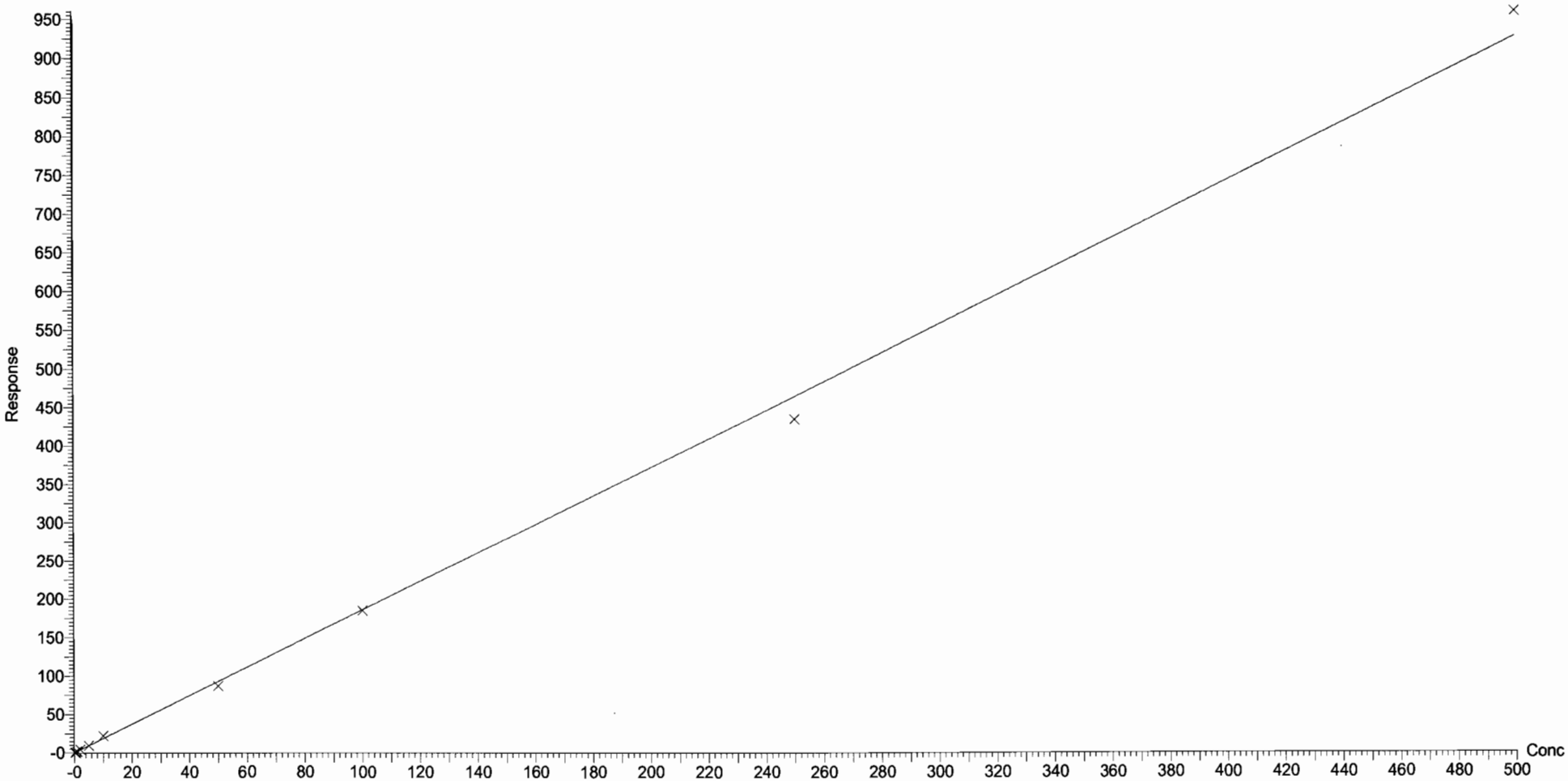
Compound name: PFHpA
Correlation coefficient: r = 0.996911, r^2 = 0.993832
Calibration curve: 1.17843 * x + 0.12989
Response type: Internal Std (Ref 38), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

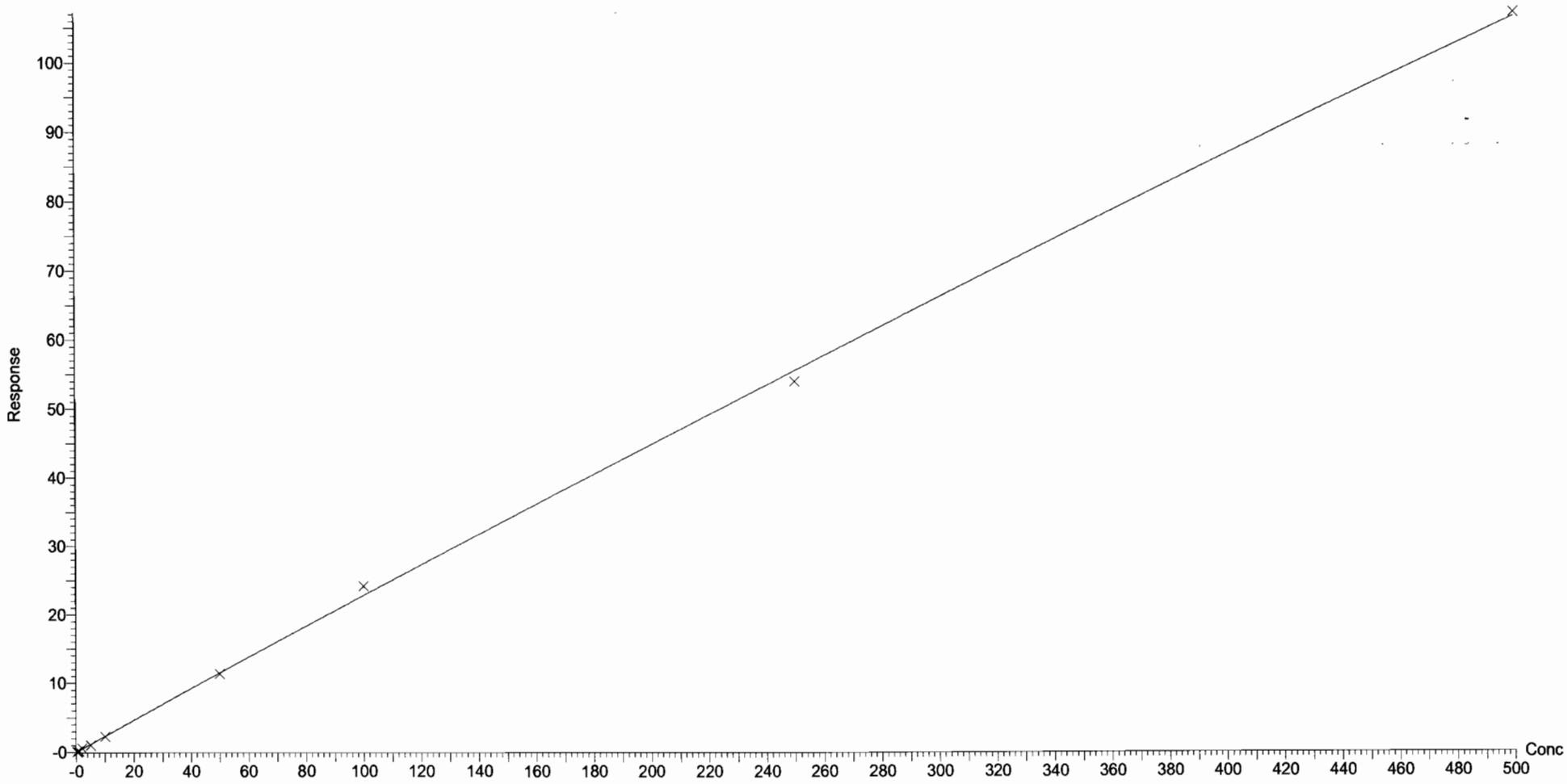
Compound name: L-PFHxS
Correlation coefficient: r = 0.998763, r^2 = 0.997528
Calibration curve: 1.85703 * x + 0.0178379
Response type: Internal Std (Ref 39), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

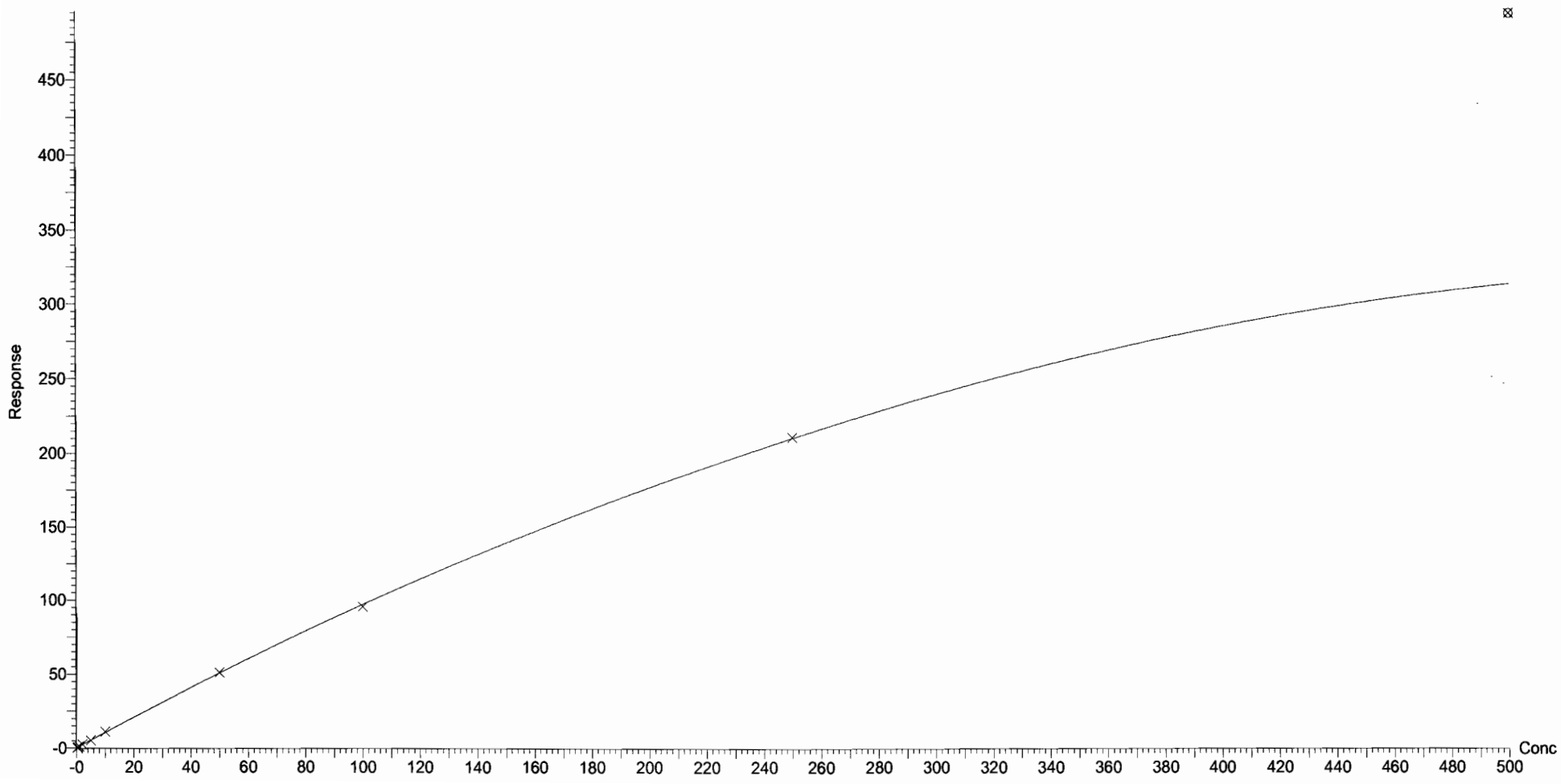
Compound name: 6:2 FTS
Coefficient of Determination: R^2 = 0.998989
Calibration curve: -3.58558e-005 * x^2 + 0.231183 * x + 0.00652079
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

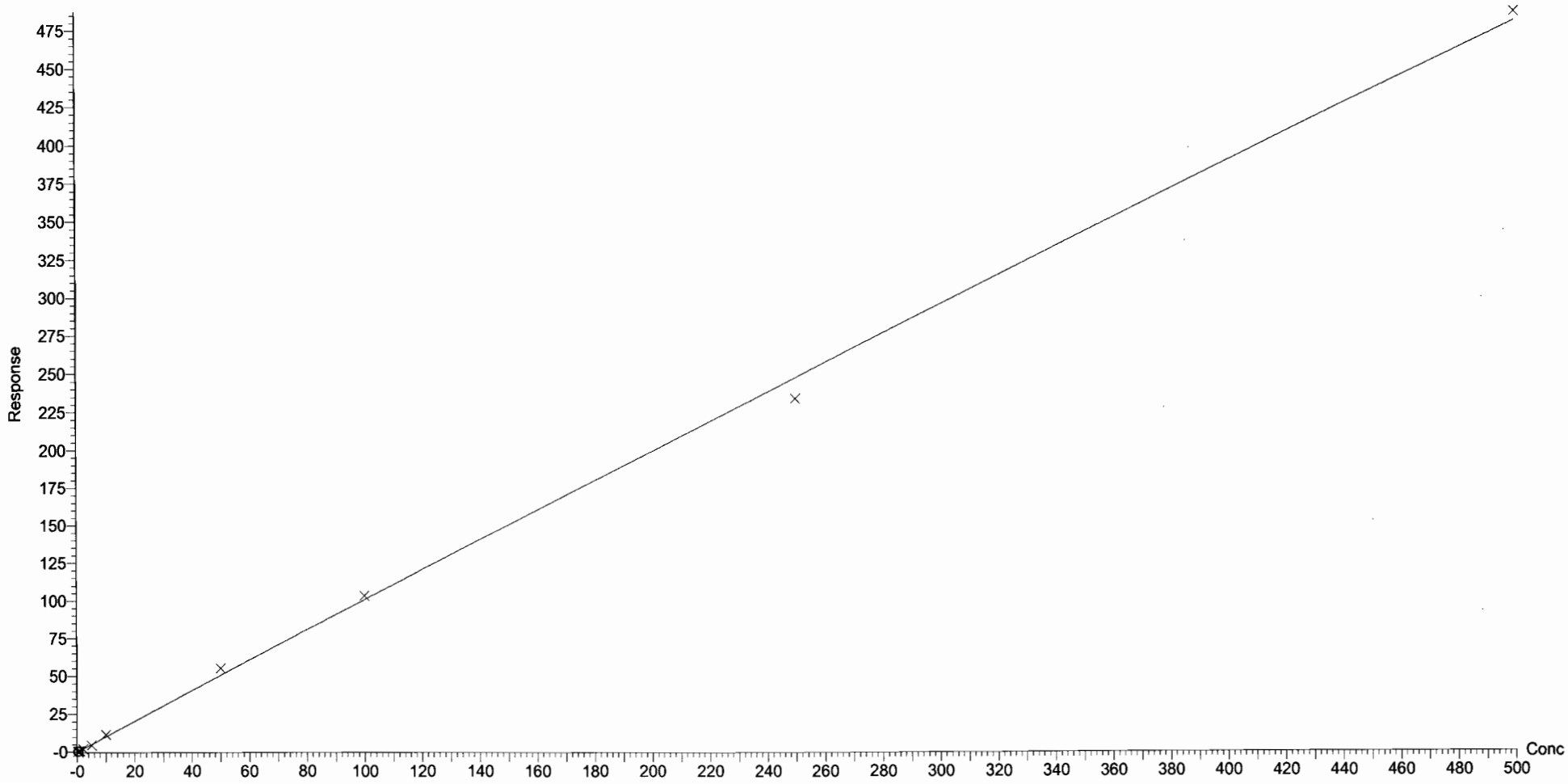
Compound name: L-PFOA
Coefficient of Determination: R^2 = 0.999566
Calibration curve: -0.000857391 * x^2 + 1.05615 * x + 0.0717082
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

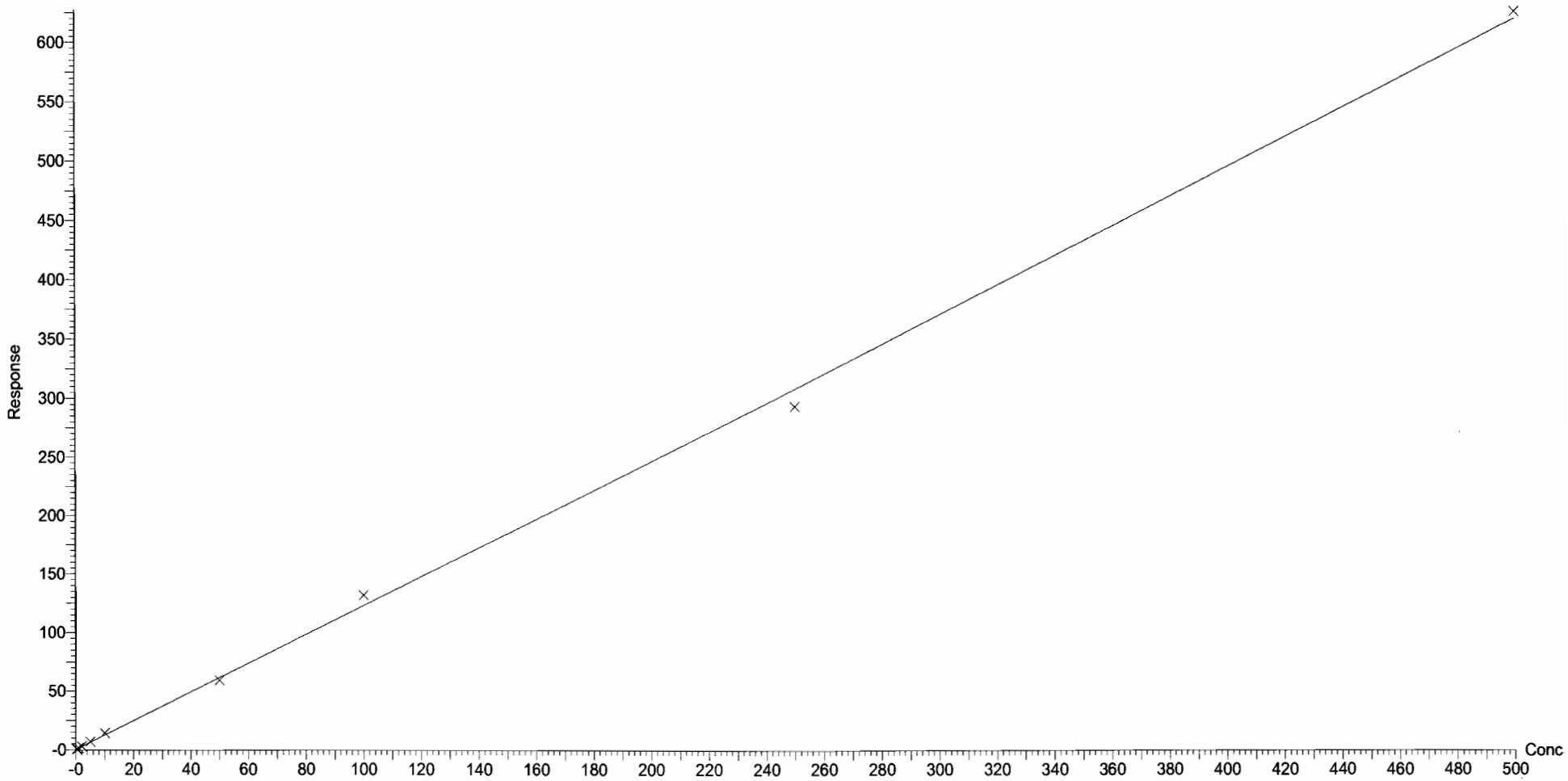
Compound name: PFHpS
Coefficient of Determination: R^2 = 0.998172
Calibration curve: -0.000111162 * x^2 + 1.01876 * x + -0.0937669
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

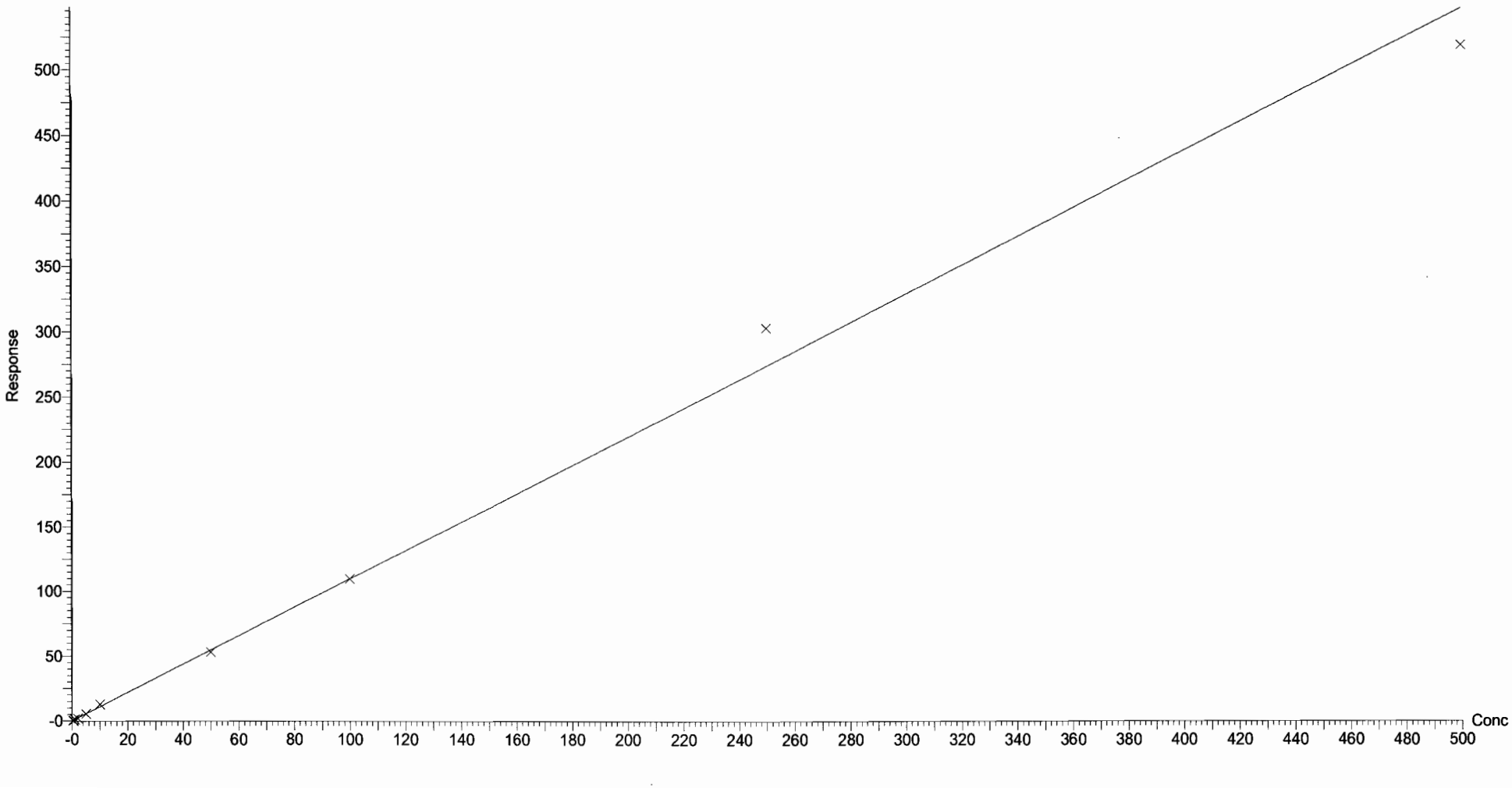
Compound name: PFNA
Coefficient of Determination: R^2 = 0.998285
Calibration curve: 3.72704e-005 * x^2 + 1.22337 * x + 0.164766
Response type: Internal Std (Ref 42), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

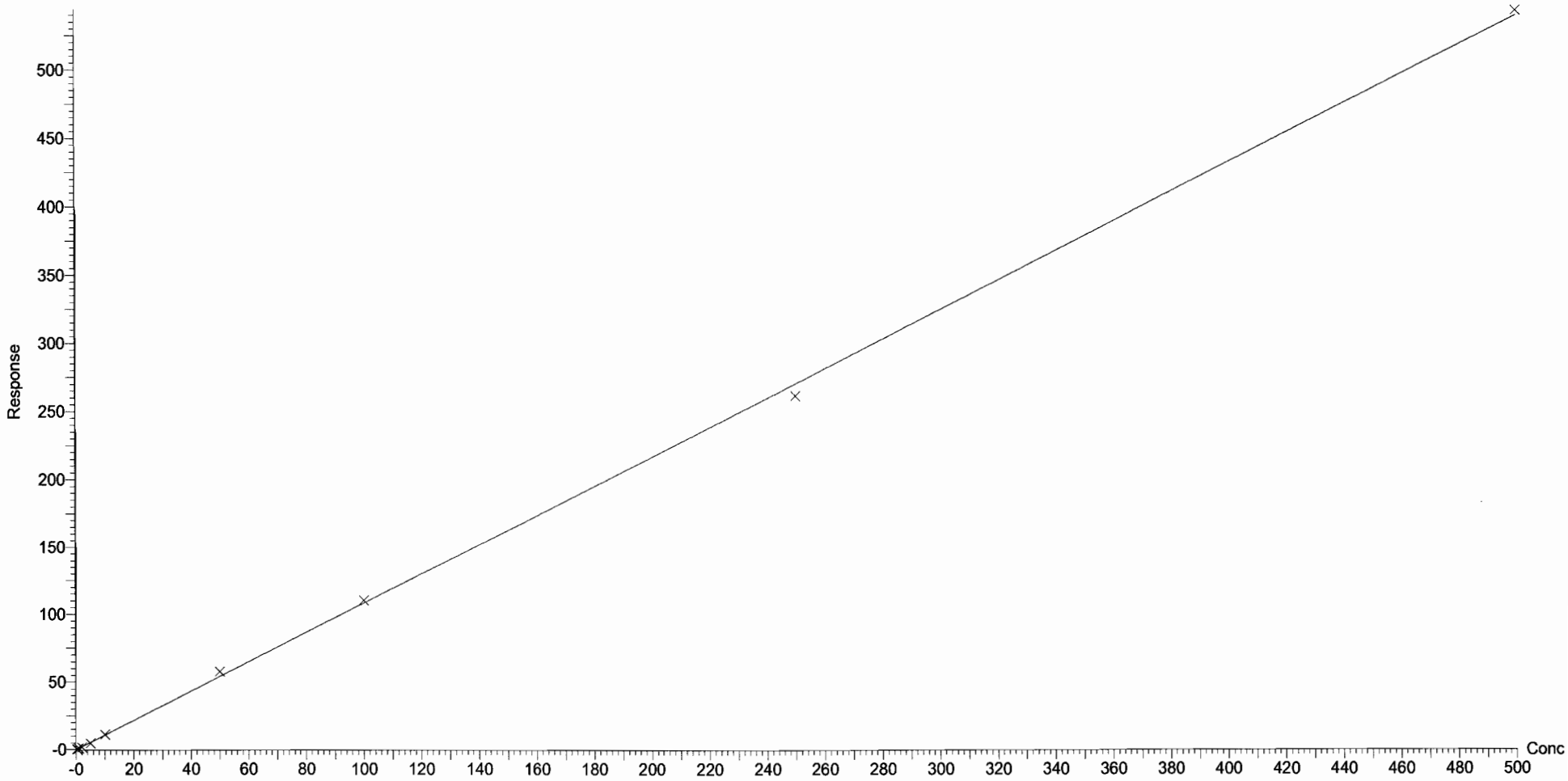
Compound name: PFOSA
Correlation coefficient: r = 0.997452, r^2 = 0.994909
Calibration curve: 1.09599 * x + -0.0345352
Response type: Internal Std (Ref 43), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

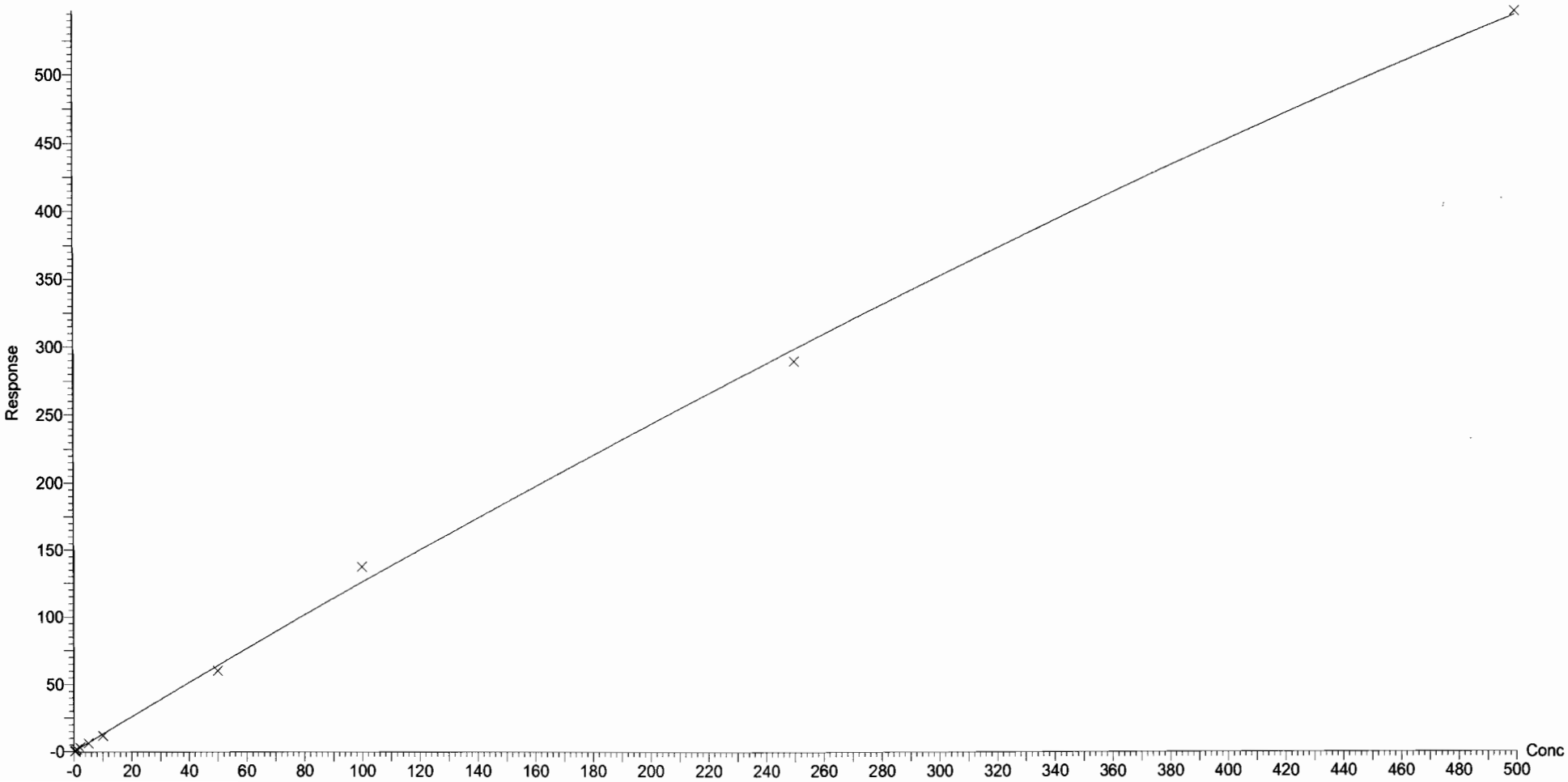
Compound name: L-PFOS
Coefficient of Determination: R^2 = 0.999249
Calibration curve: -8.58479e-006 * x^2 + 1.08539 * x + -0.177739
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

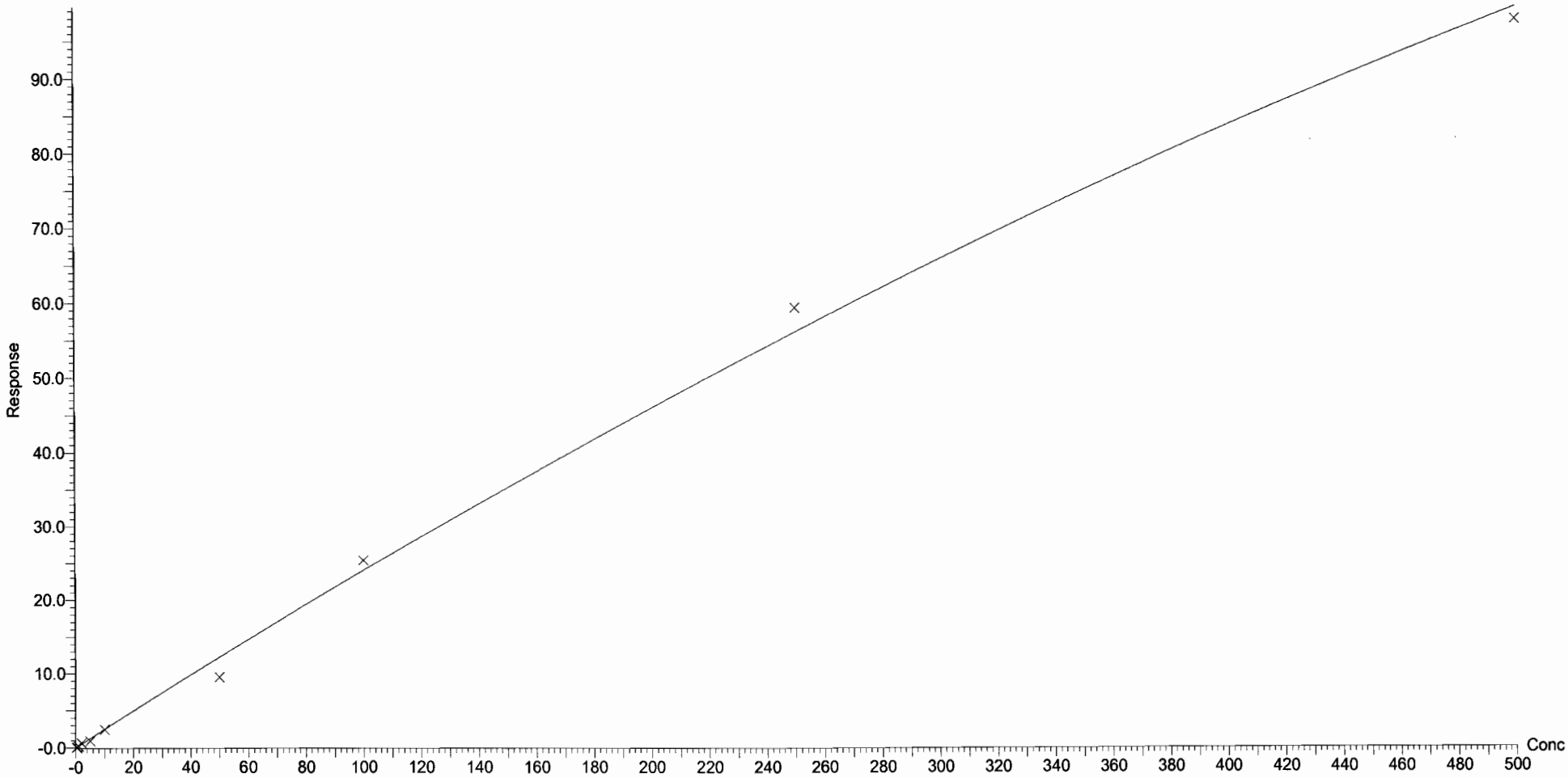
Compound name: PFDA
Coefficient of Determination: R^2 = 0.998012
Calibration curve: -0.000420231 * x^2 + 1.29941 * x + 0.0888209
Response type: Internal Std (Ref 45), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

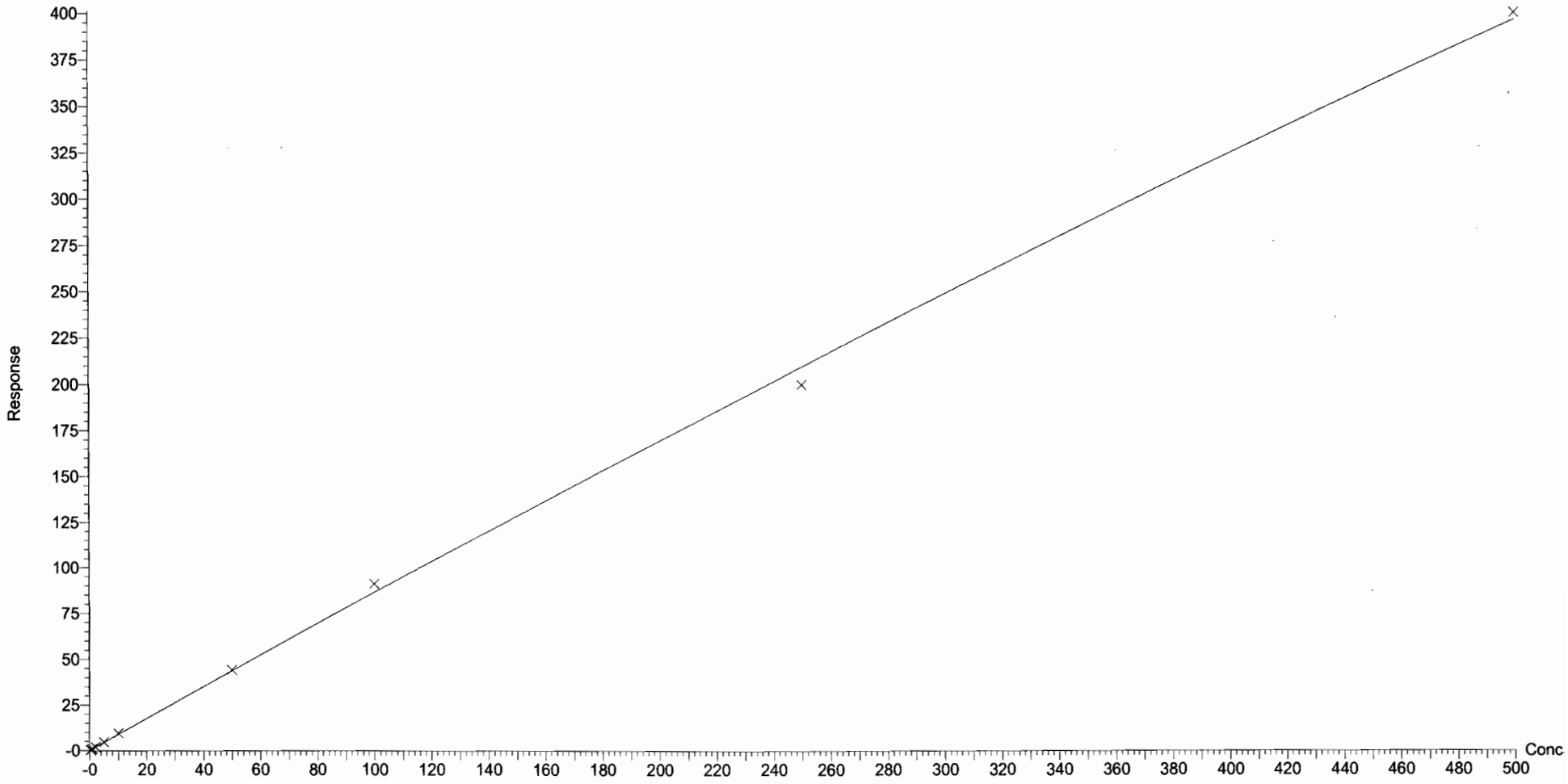
Compound name: 8:2 FTS
Coefficient of Determination: R^2 = 0.994120
Calibration curve: -0.00010241 * x^2 + 0.250291 * x + -0.0155588
Response type: Internal Std (Ref 41), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

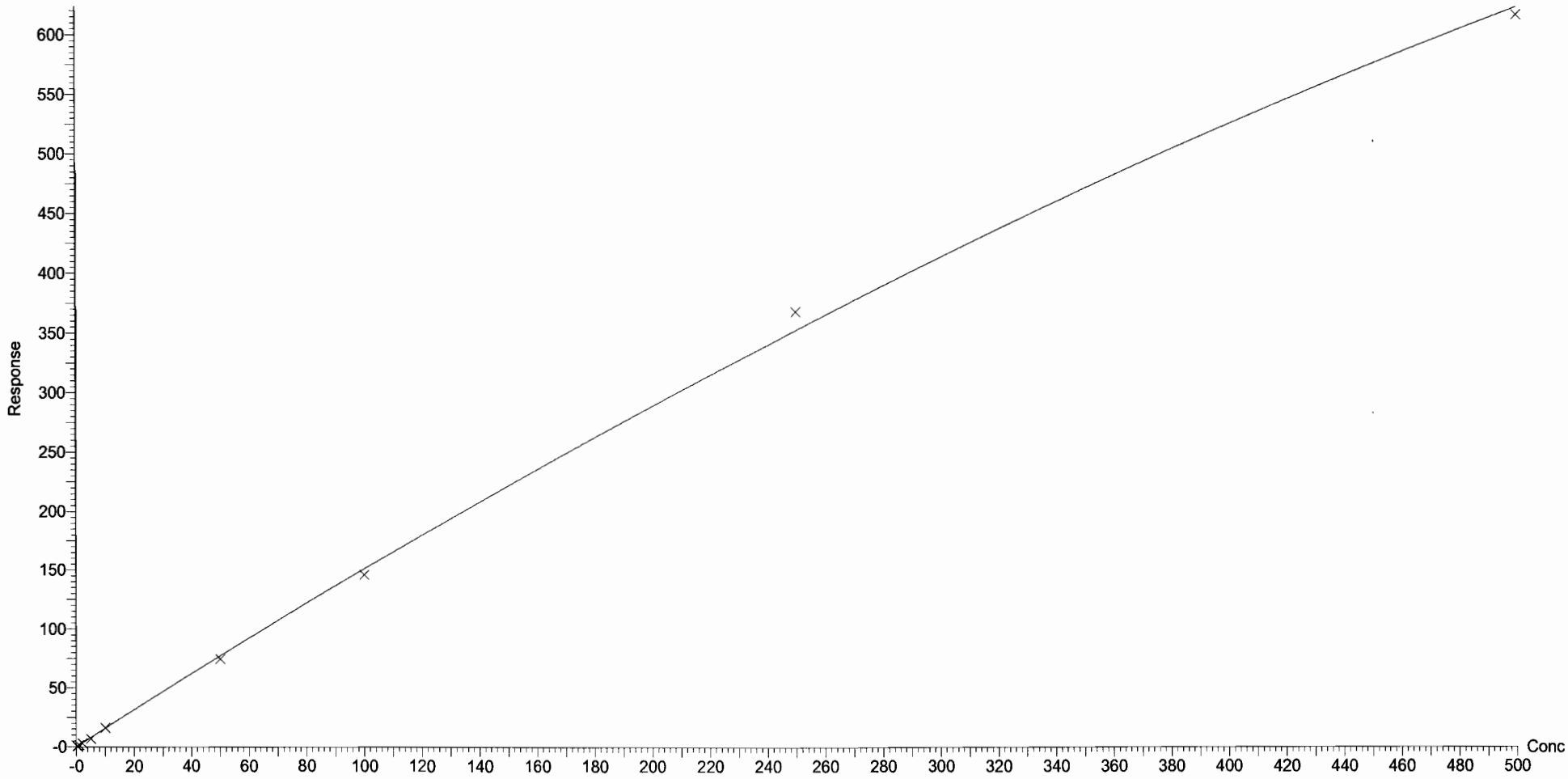
Compound name: PFNS
Coefficient of Determination: R^2 = 0.998923
Calibration curve: -0.000173469 * x^2 + 0.881199 * x + 0.0764053
Response type: Internal Std (Ref 44), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

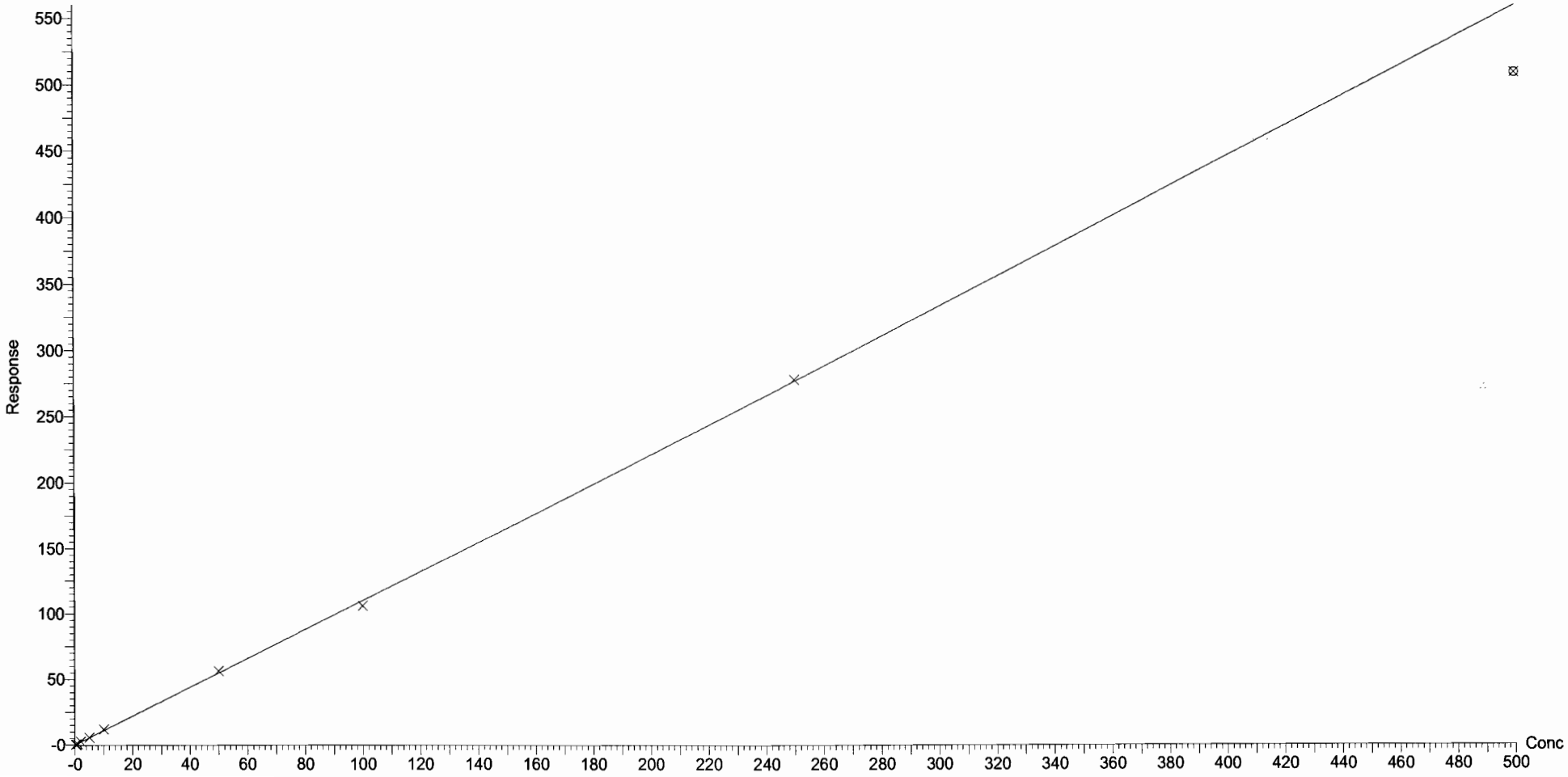
Compound name: N-MeFOSAA
Coefficient of Determination: R^2 = 0.998886
Calibration curve: -0.000656005 * x^2 + 1.57527 * x + -0.0430991
Response type: Internal Std (Ref 47), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

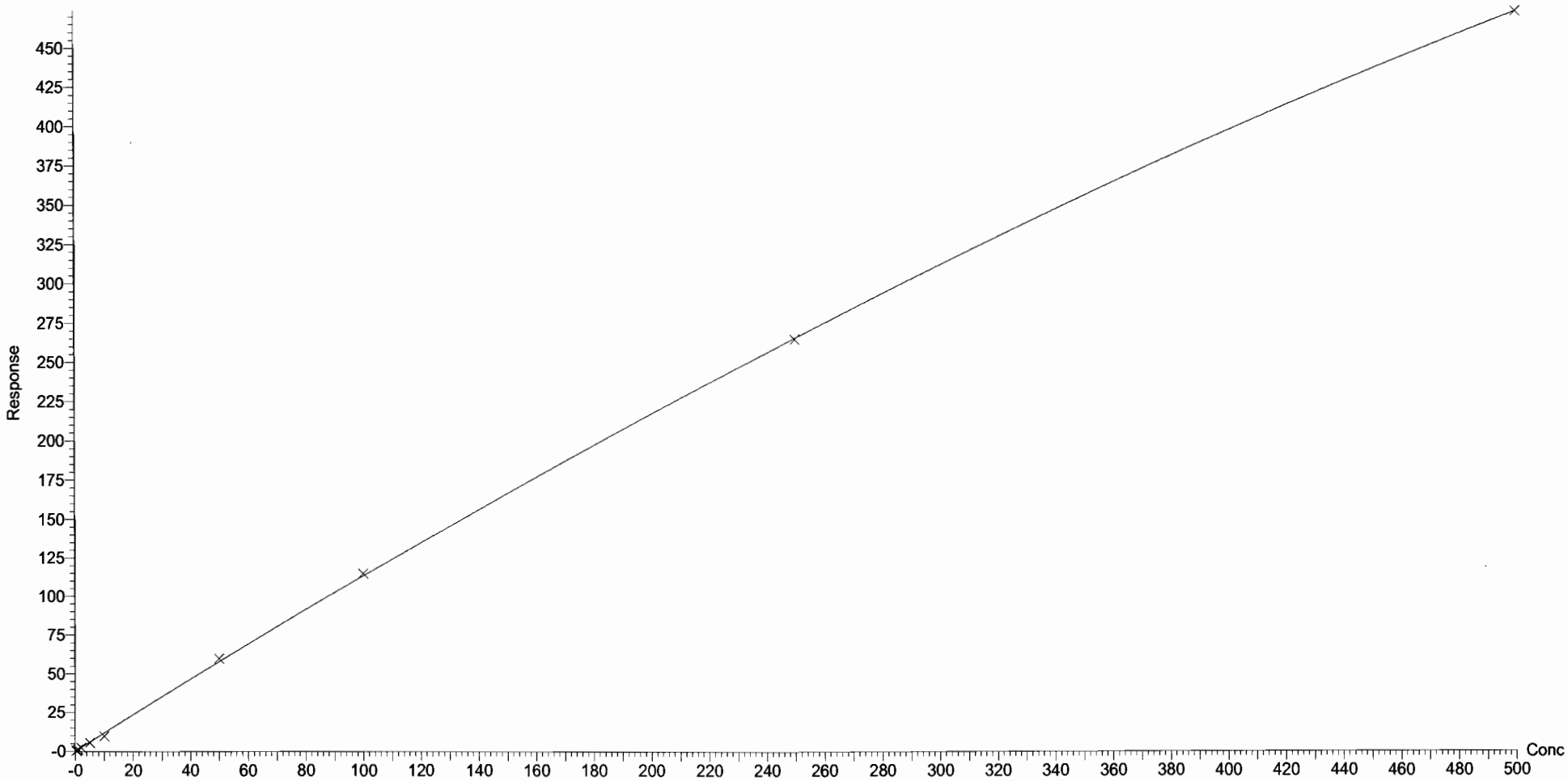
Compound name: N-EtFOSAA
Coefficient of Determination: R^2 = 0.998912
Calibration curve: 5.26453e-005 * x^2 + 1.09334 * x + 0.022349
Response type: Internal Std (Ref 48), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

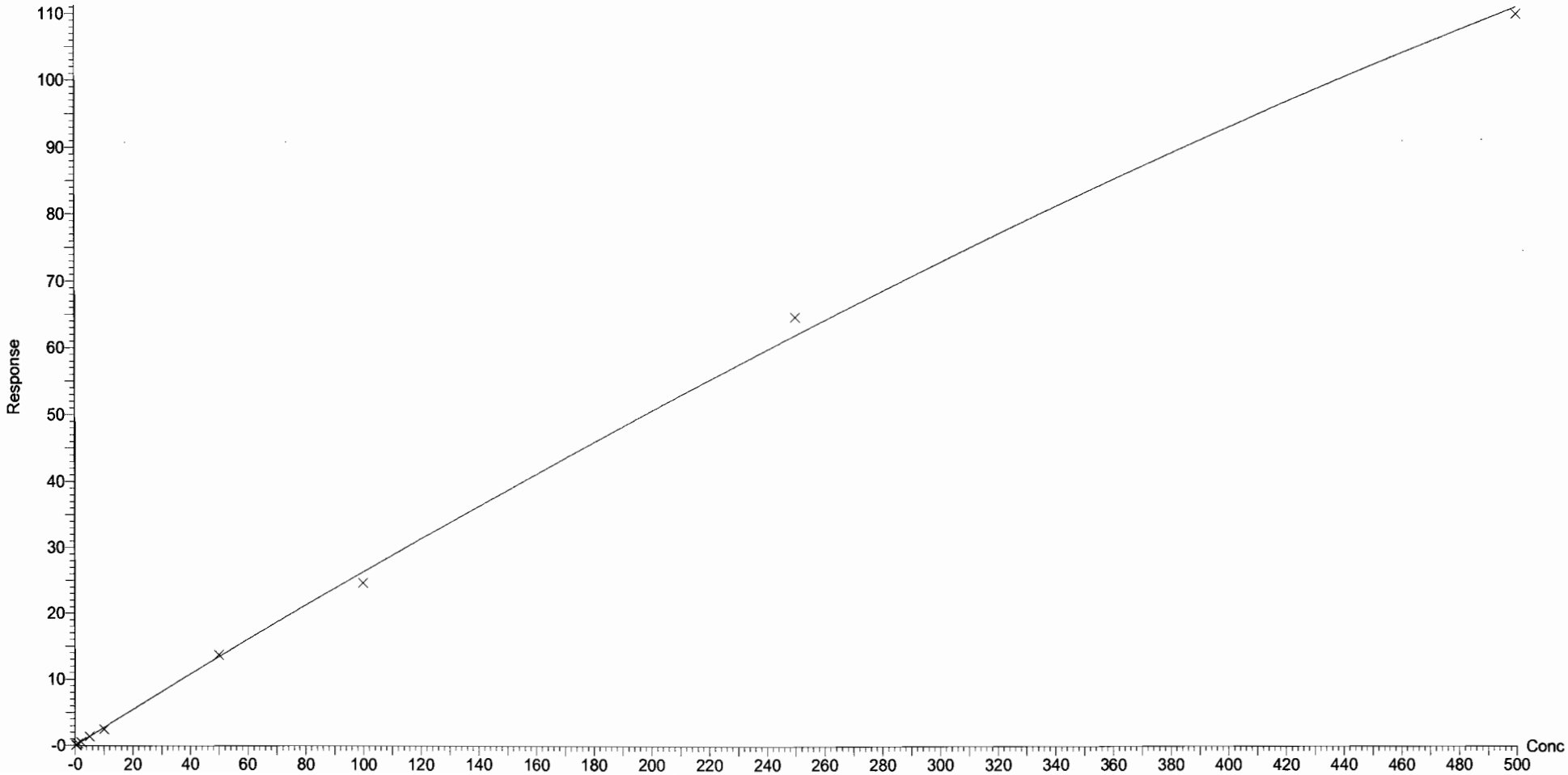
Compound name: PFUdA
Coefficient of Determination: R^2 = 0.999294
Calibration curve: -0.000458526 * x^2 + 1.17709 * x + 0.0278308
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

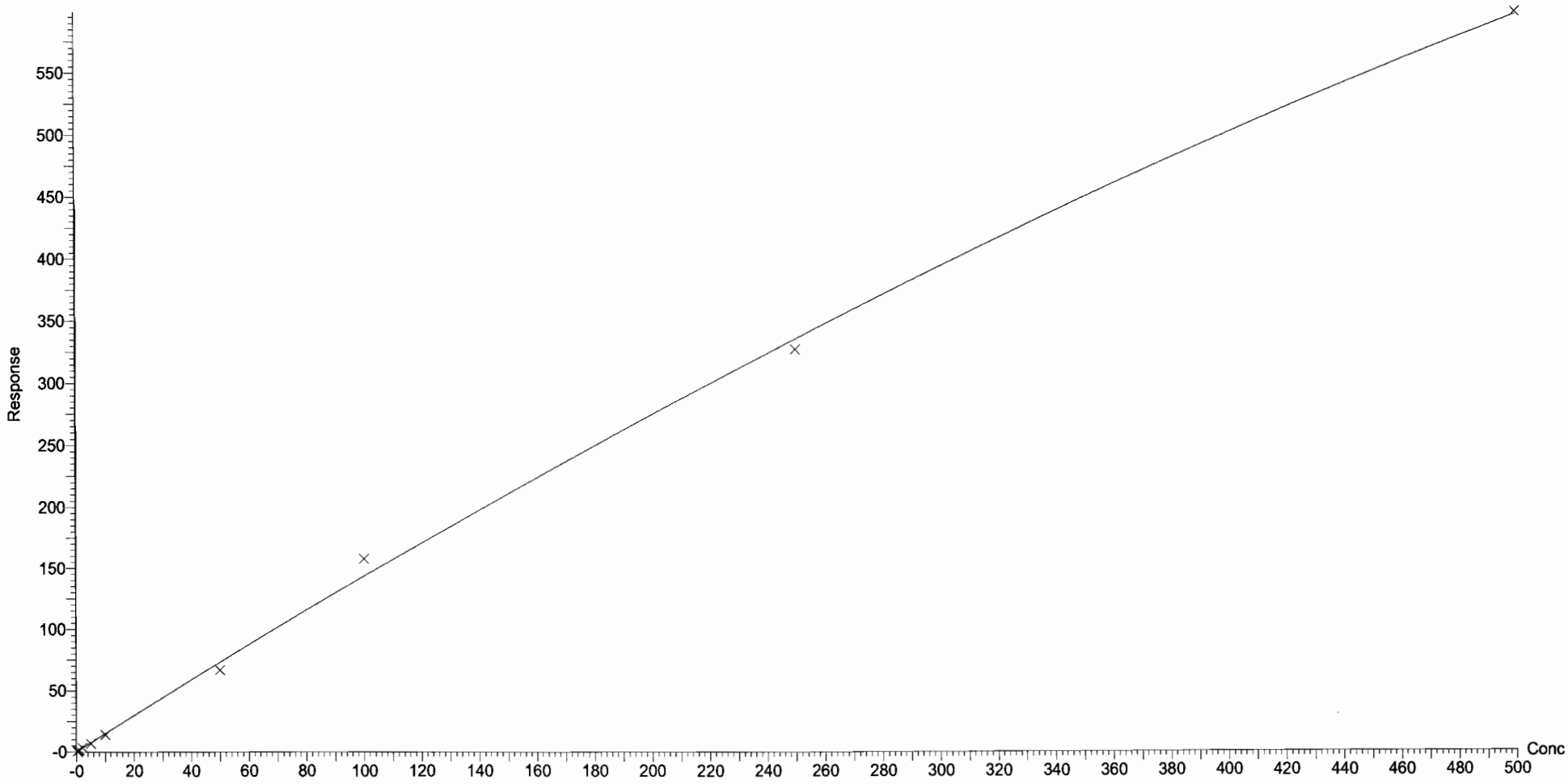
Compound name: PFDS
Coefficient of Determination: R^2 = 0.998560
Calibration curve: -0.000101601 * x^2 + 0.27335 * x + -0.0126321
Response type: Internal Std (Ref 49), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

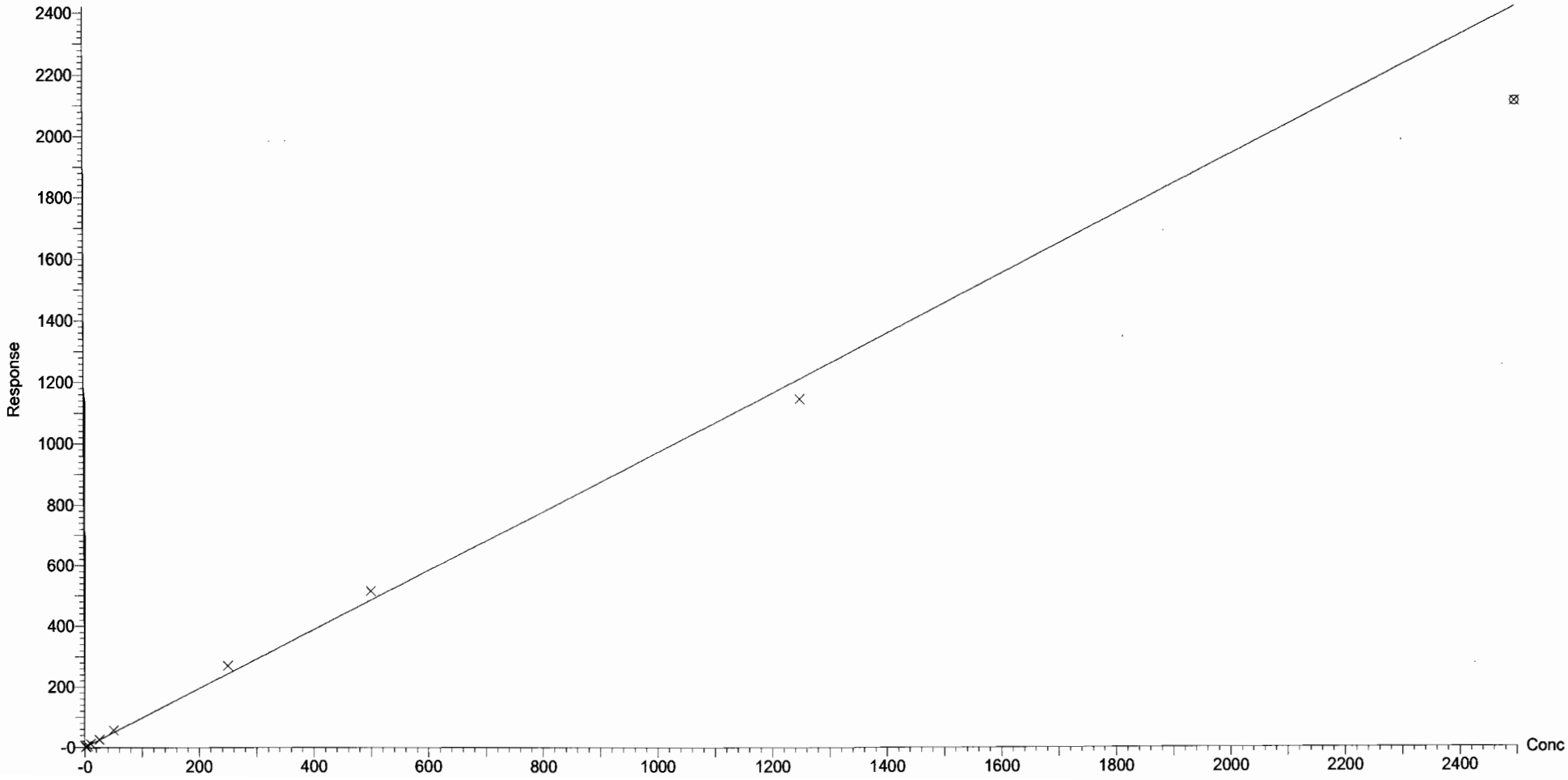
Compound name: PFDoA
Coefficient of Determination: R^2 = 0.997610
Calibration curve: -0.000594455 * x^2 + 1.49079 * x + 0.049628
Response type: Internal Std (Ref 50), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

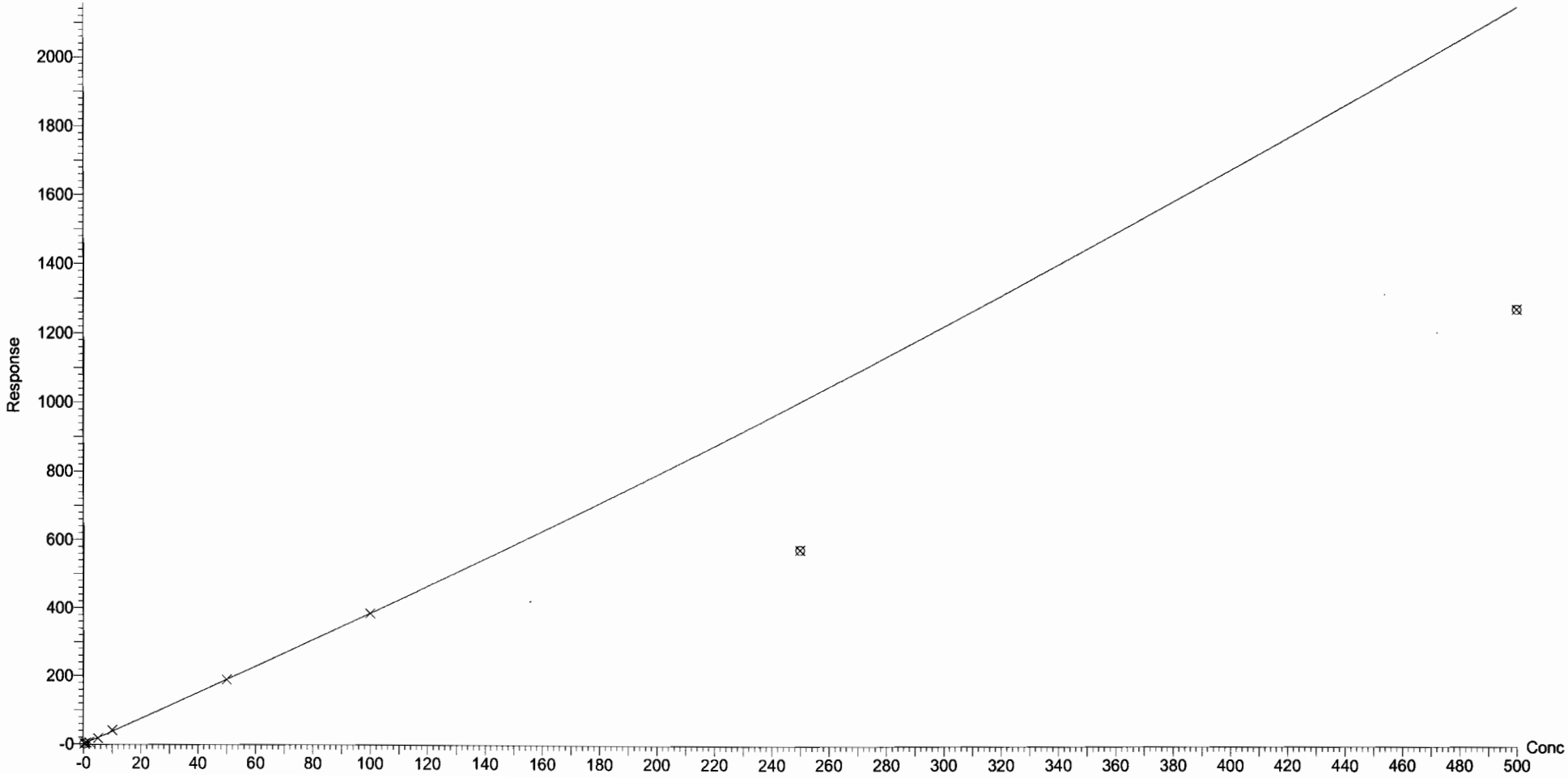
Compound name: N-MeFOSA
Correlation coefficient: r = 0.997510, r^2 = 0.995026
Calibration curve: 0.967768 * x + 0.447867
Response type: Internal Std (Ref 51), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

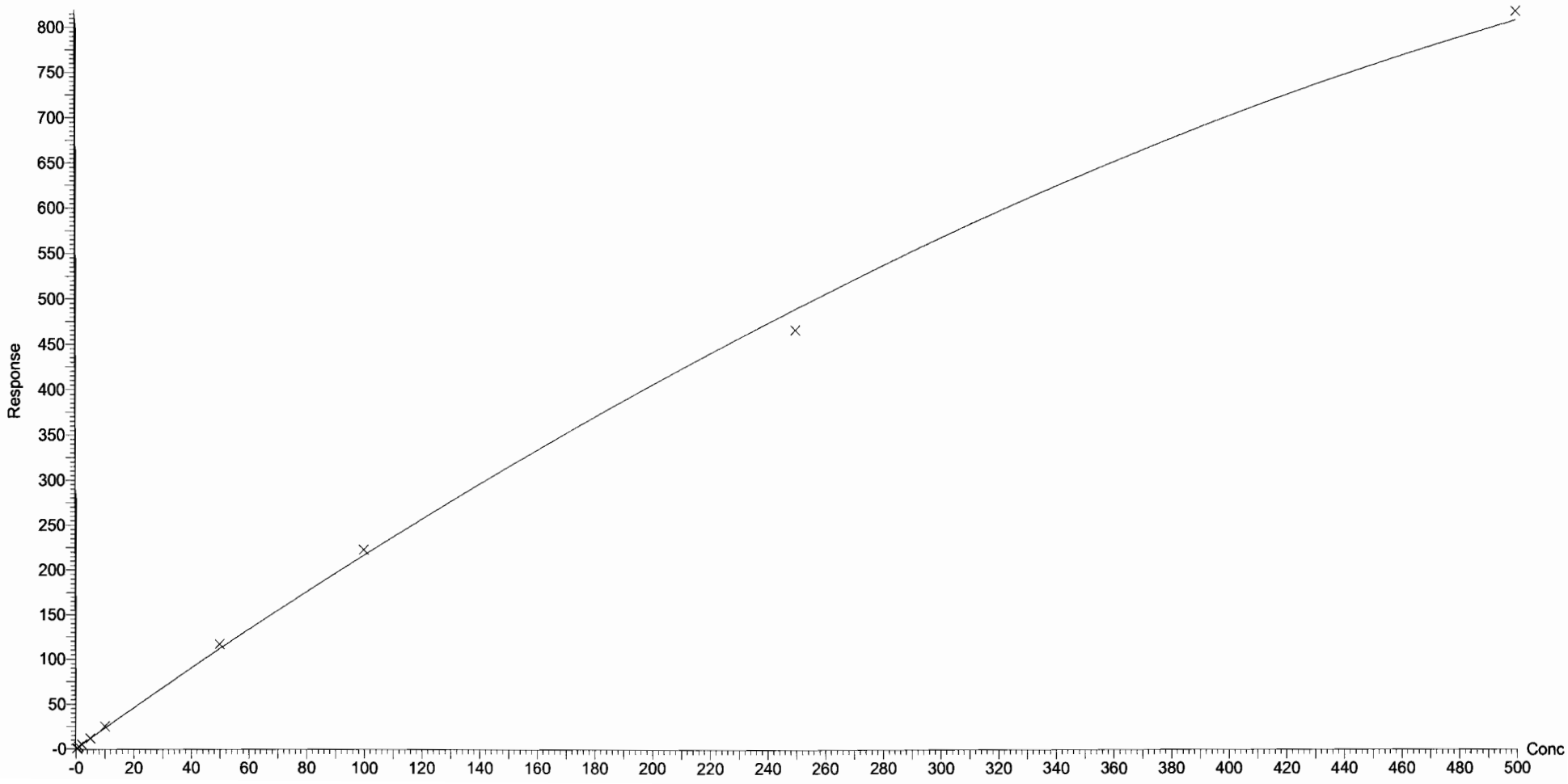
Compound name: PFTrDA
Coefficient of Determination: R^2 = 0.998380
Calibration curve: 0.00116218 * x^2 + 3.72741 * x + 0.213622
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

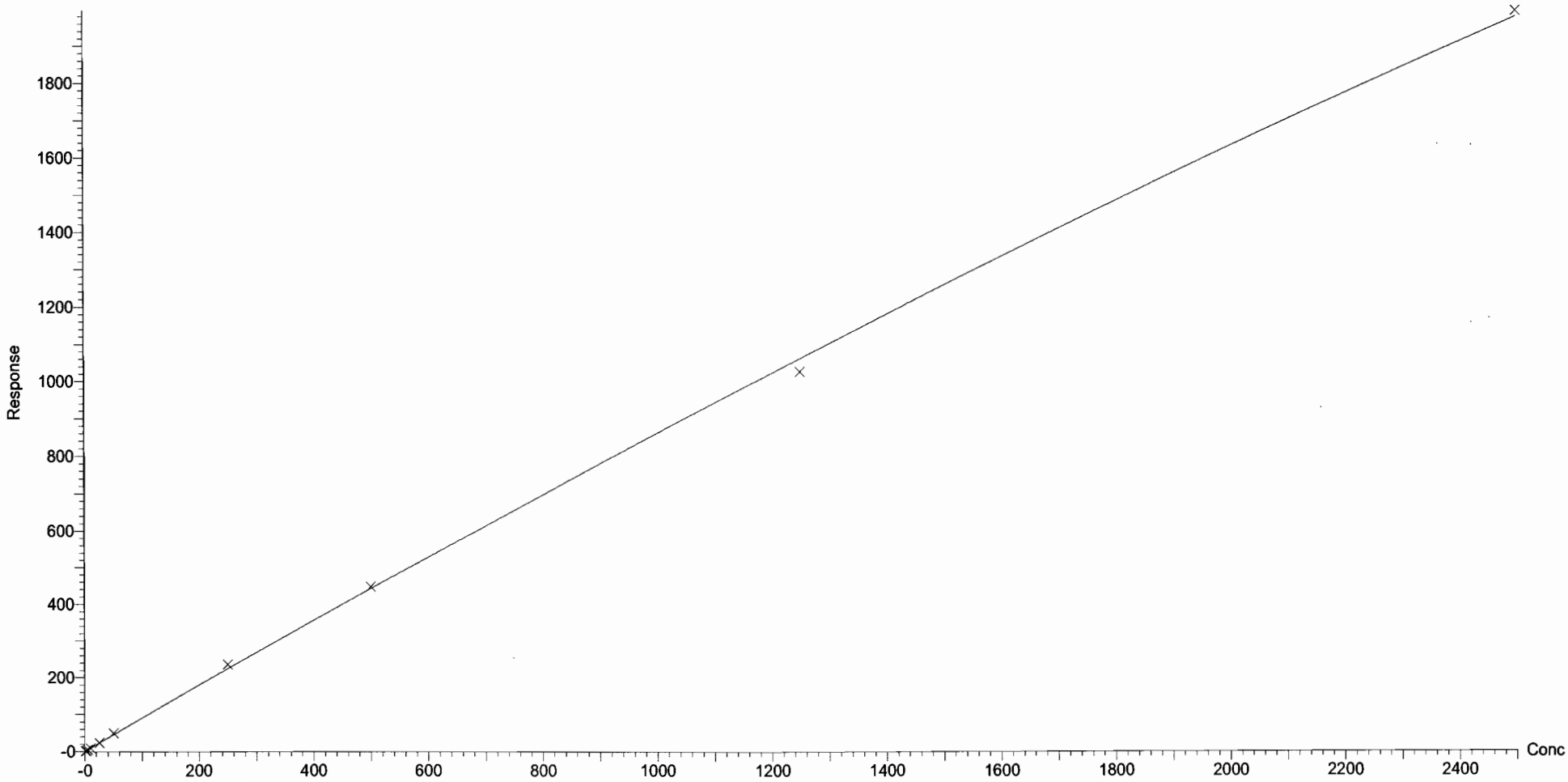
Compound name: PFTeDA
Coefficient of Determination: R^2 = 0.998712
Calibration curve: -0.00135735 * x^2 + 2.29654 * x + 0.279781
Response type: Internal Std (Ref 52), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

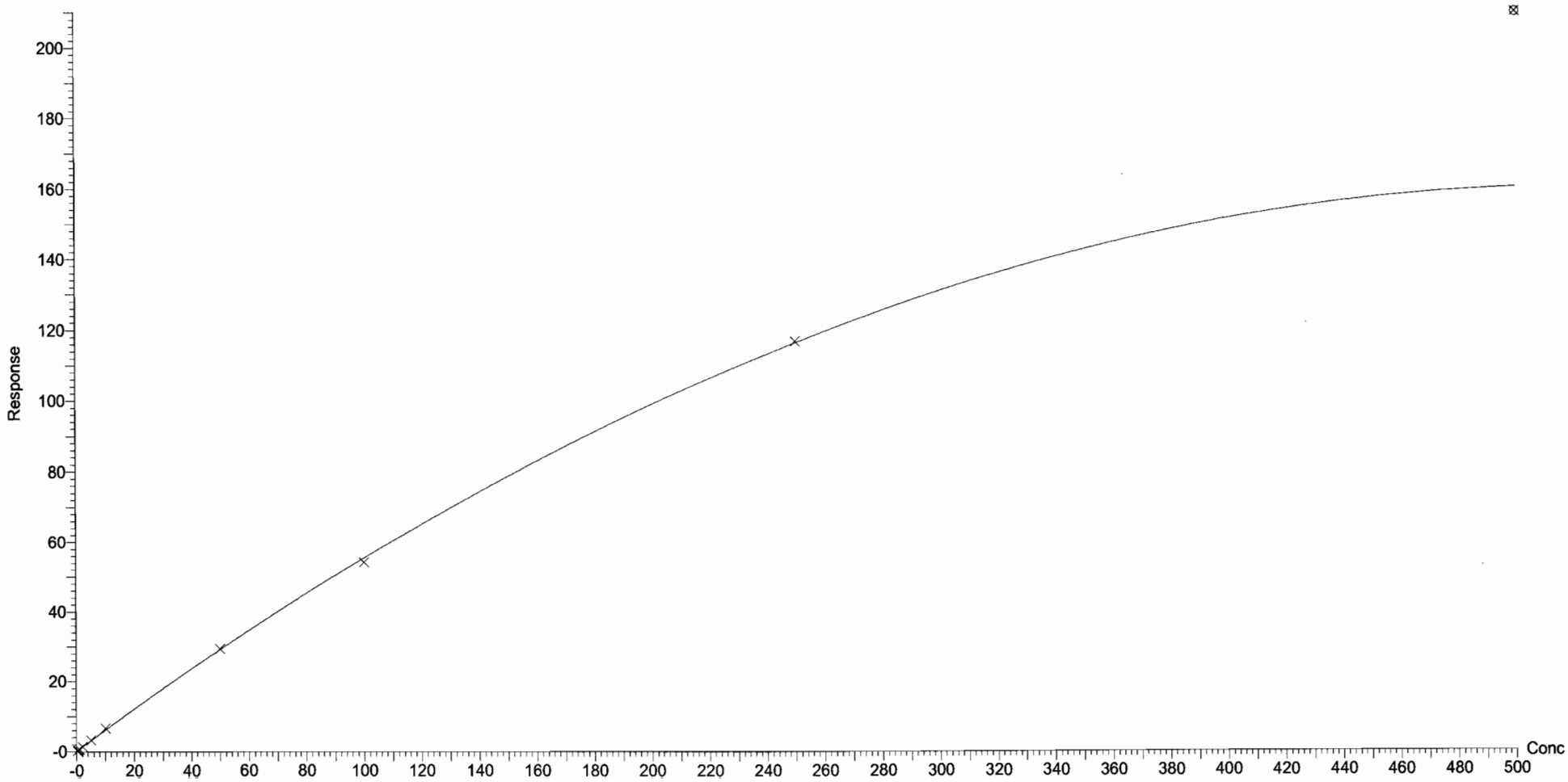
Compound name: N-EtFOSA
Coefficient of Determination: R^2 = 0.999373
Calibration curve: -4.62743e-005 * x^2 + 0.907515 * x + 0.0608264
Response type: Internal Std (Ref 53), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

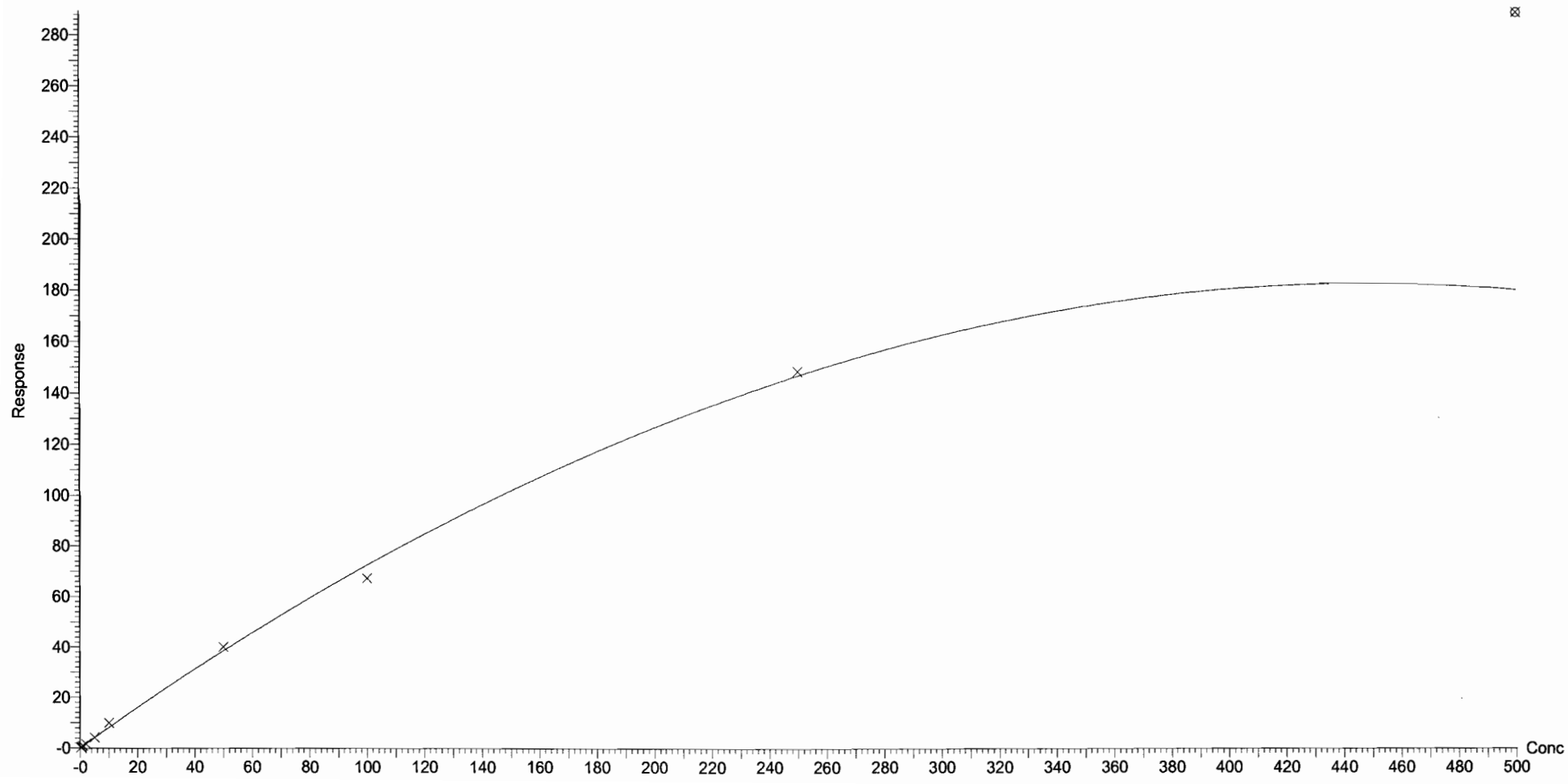
Compound name: PFHxDA
Coefficient of Determination: R^2 = 0.999557
Calibration curve: -0.0005817 * x^2 + 0.611008 * x + 0.0713706
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

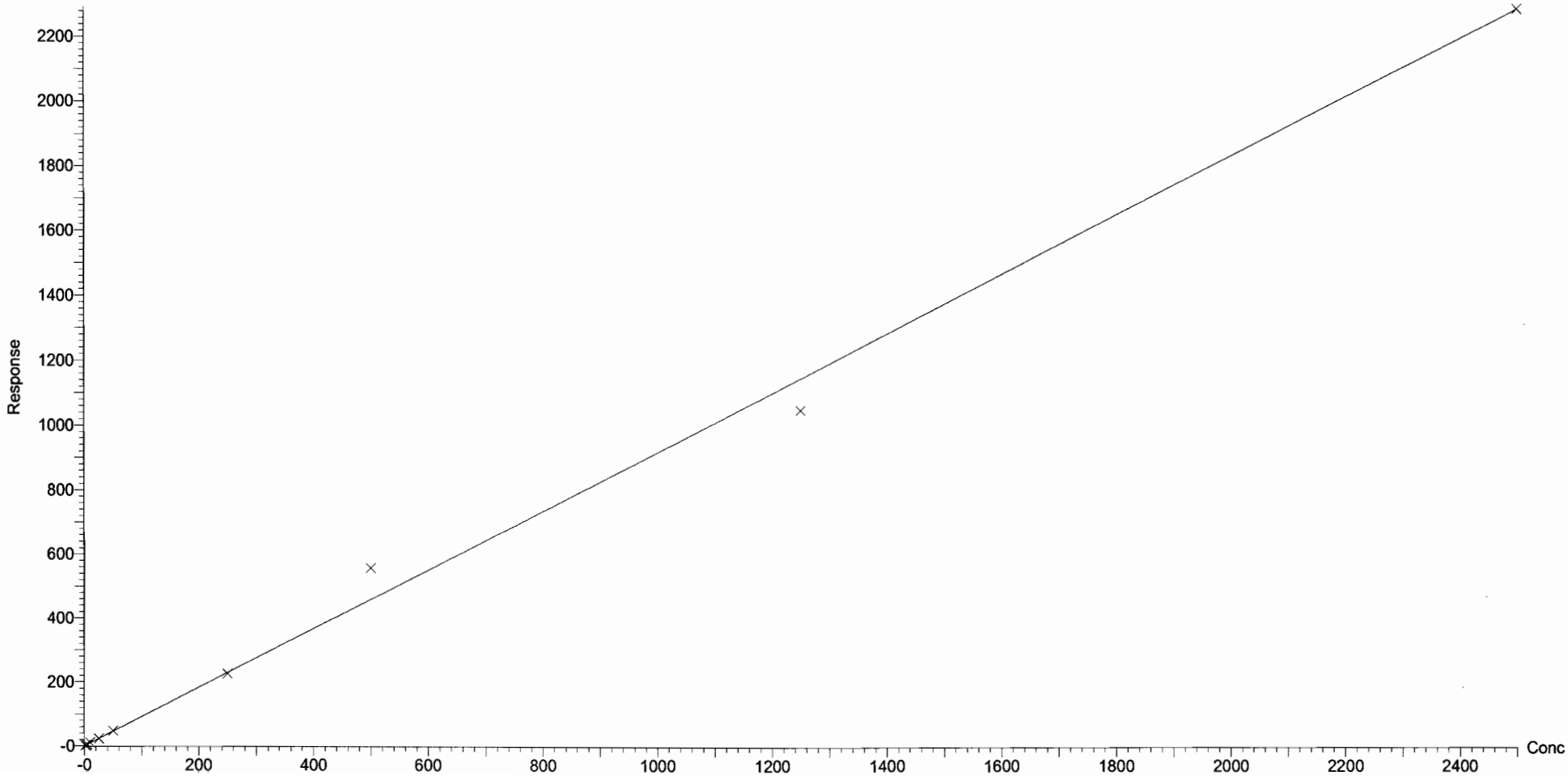
Compound name: PFODA
Coefficient of Determination: R^2 = 0.996012
Calibration curve: -0.000908448 * x^2 + 0.81449 * x + 0.0357617
Response type: Internal Std (Ref 54), Area * (IS Conc. / IS Area)
Curve type: 2nd Order, Origin: Include, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

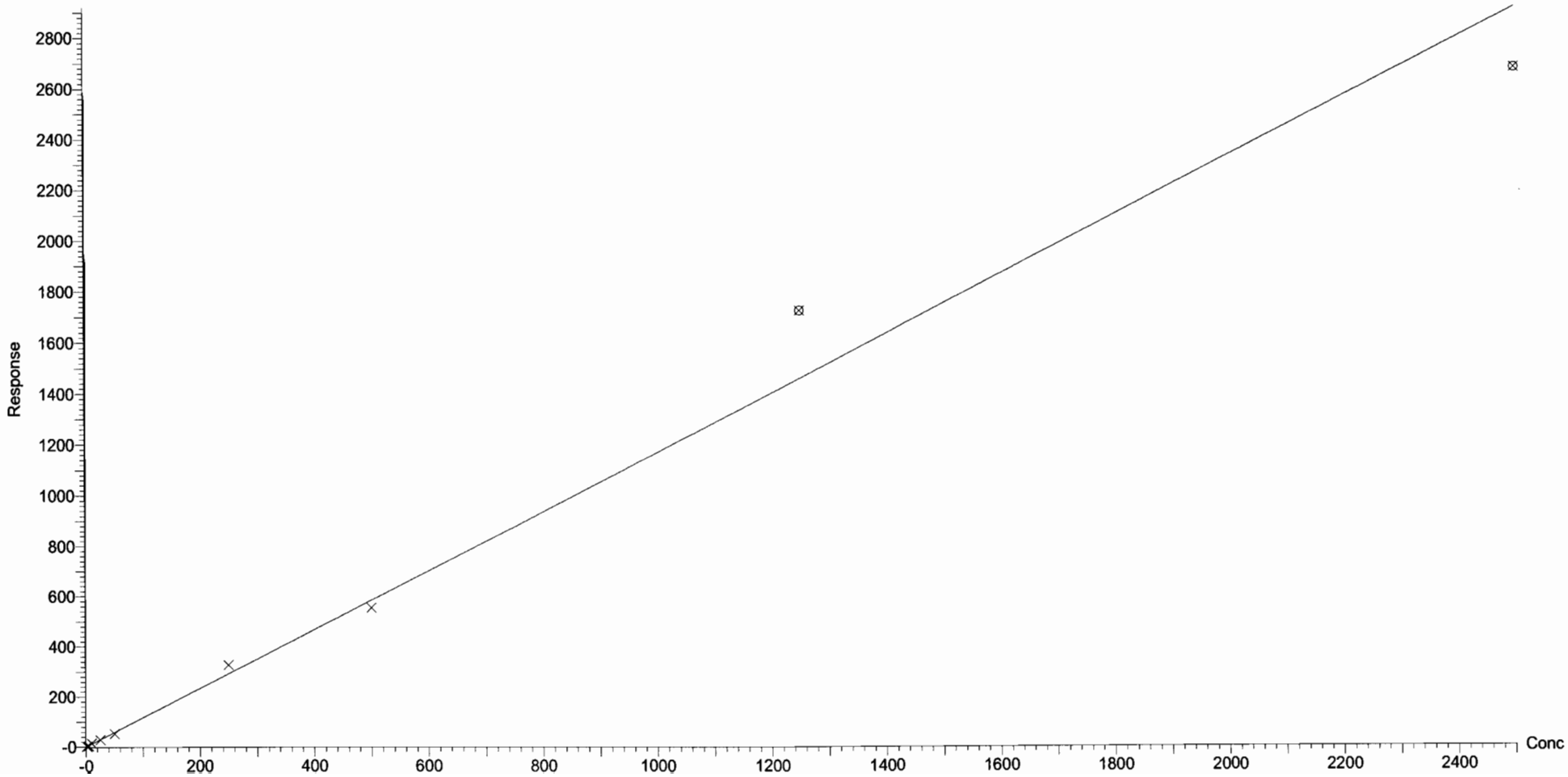
Compound name: N-MeFOSE
Correlation coefficient: r = 0.996418, r^2 = 0.992848
Calibration curve: 0.916664 * x + 0.283188
Response type: Internal Std (Ref 55), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:01:31 Pacific Standard Time

Compound name: N-EtFOSE
Correlation coefficient: r = 0.996106, r^2 = 0.992228
Calibration curve: 1.16767 * x + 0.0208375
Response type: Internal Std (Ref 56), Area * (IS Conc. / IS Area)
Curve type: Linear, Origin: Exclude, Weighting: 1/x, Axis trans: None



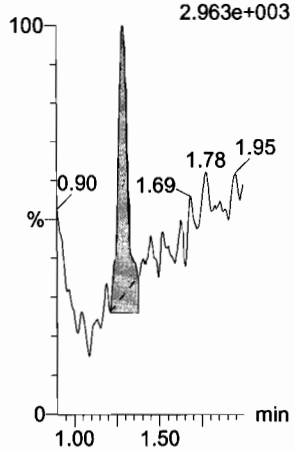
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 08:59:53
Calibration: 31 Jan 2018 09:33:43

Name: 180130M2_2, Date: 30-Jan-2018, Time: 11:44:38, ID: ST180130M2-1 PFC CS-2 18A1904, Description: PFC CS-2 18A1904

PFBA



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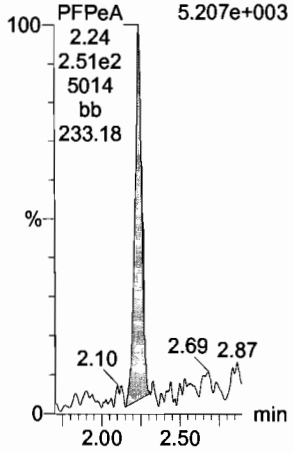
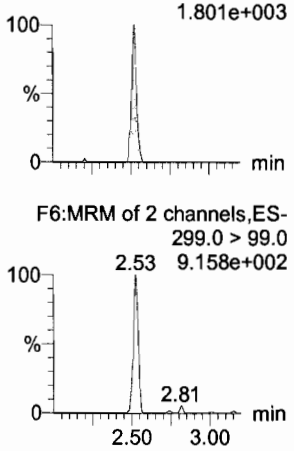
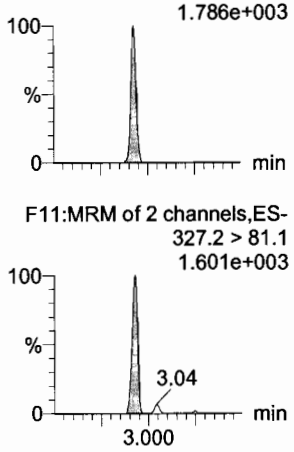


PFBS



4:2 FTS



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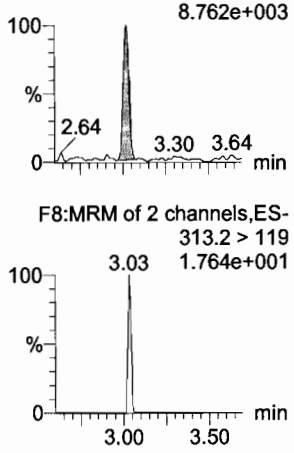

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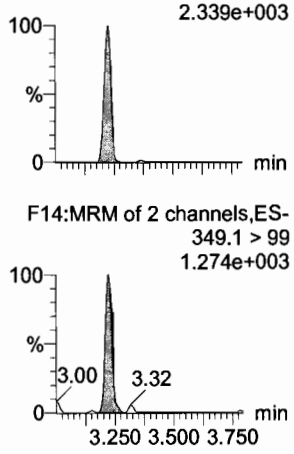
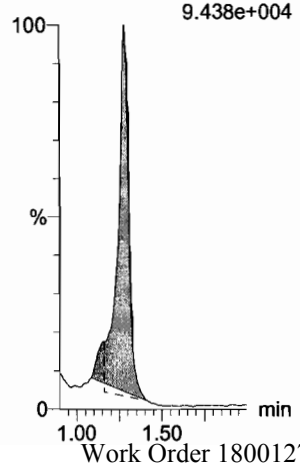


13C3-PFBA



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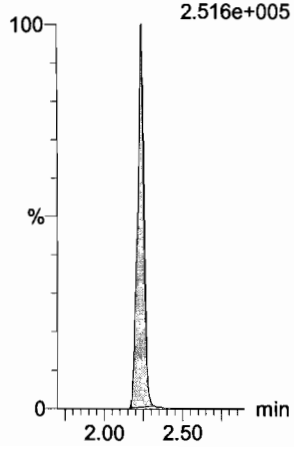

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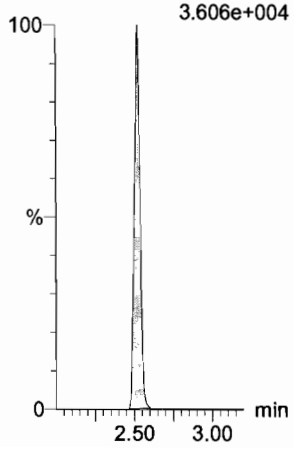

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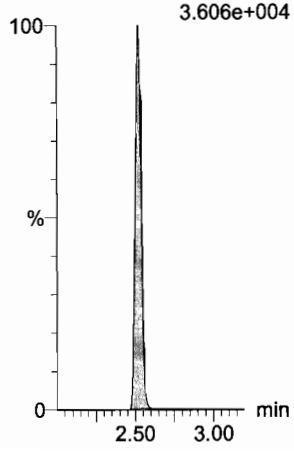

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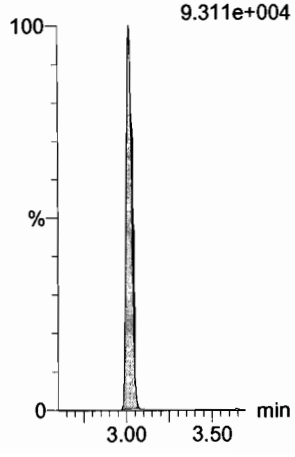

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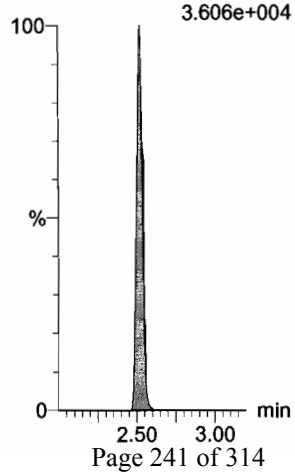
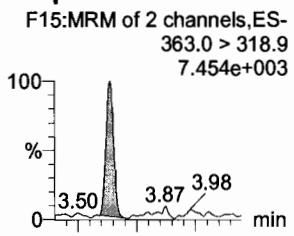


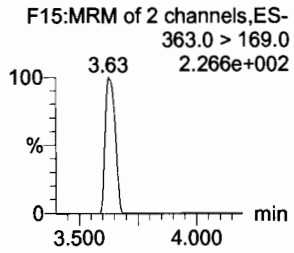
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

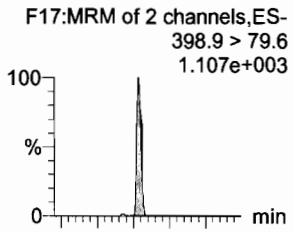
Name: 180130M2_2, Date: 30-Jan-2018, Time: 11:44:38, ID: ST180130M2-1 PFC CS-2 18A1904, Description: PFC CS-2 18A1904

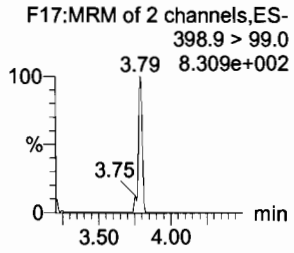
PFHpA



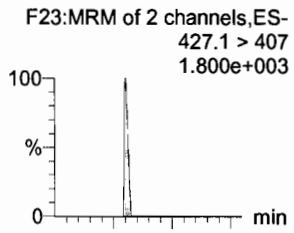


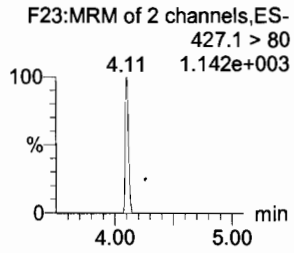
L-PFHxS





6:2 FTS





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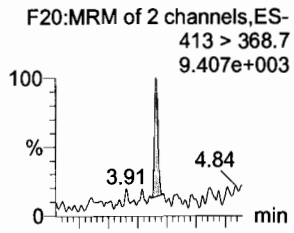

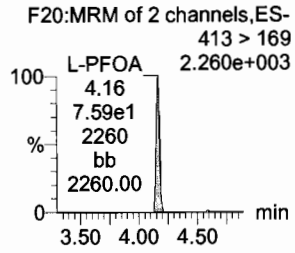

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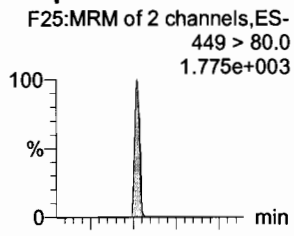

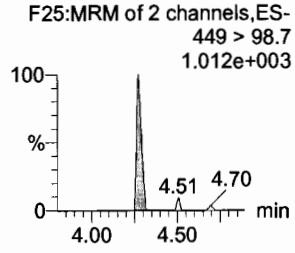

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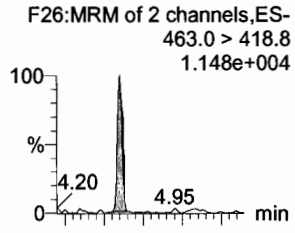
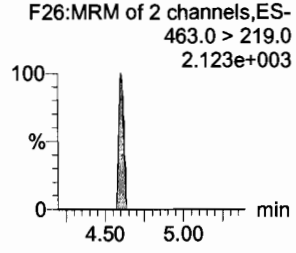
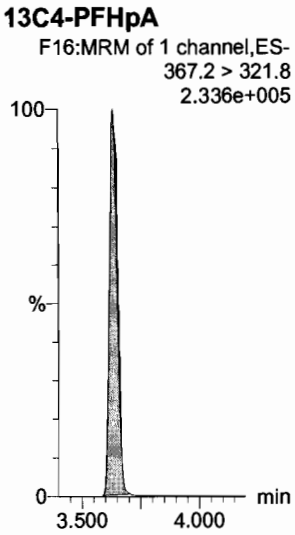
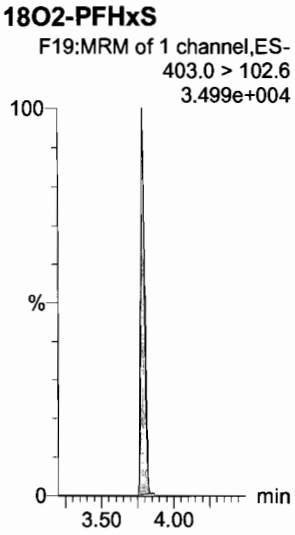




13C4-PFHpA



18O2-PFHxS



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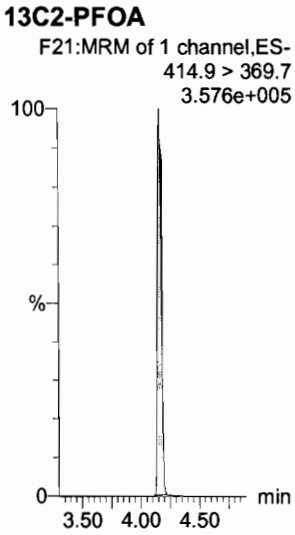

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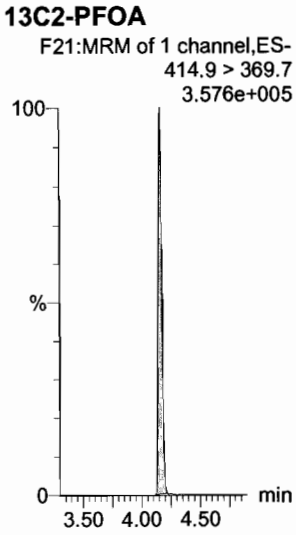
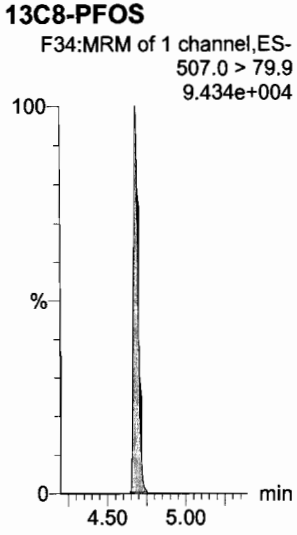
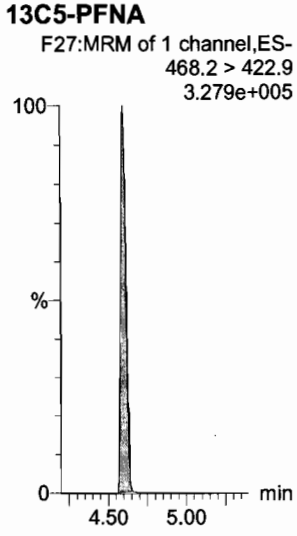


13C8-PFOS



13C5-PFNA

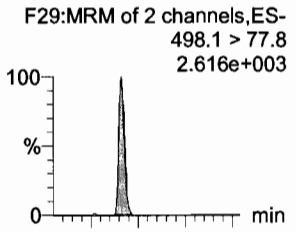


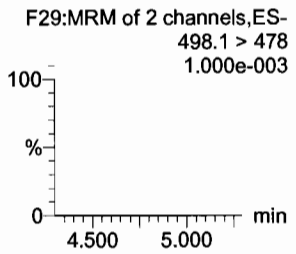
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_2, Date: 30-Jan-2018, Time: 11:44:38, ID: ST180130M2-1 PFC CS-2 18A1904, Description: PFC CS-2 18A1904

PFOSA





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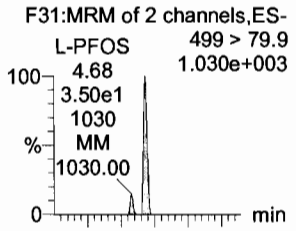

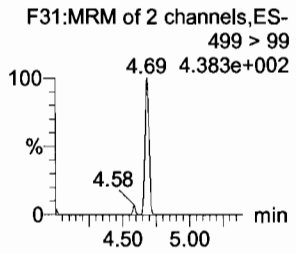

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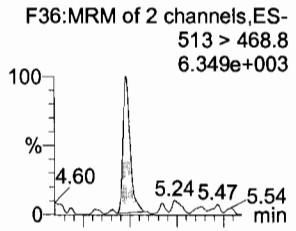
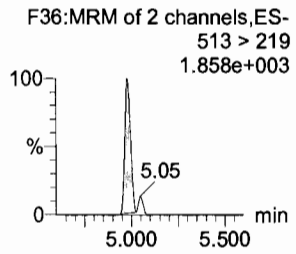
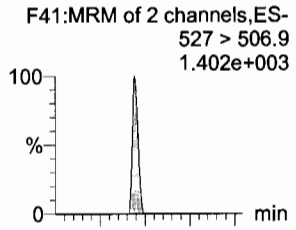
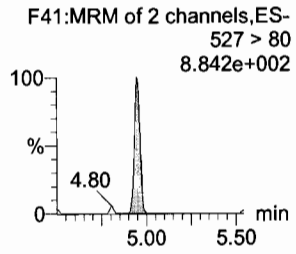


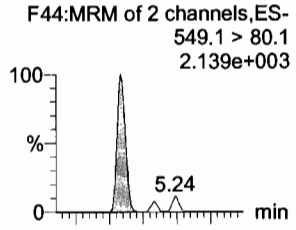


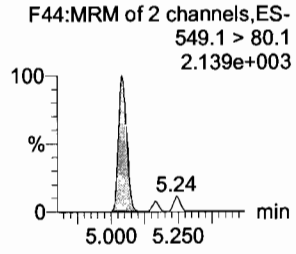
8:2 FTS





PFNS





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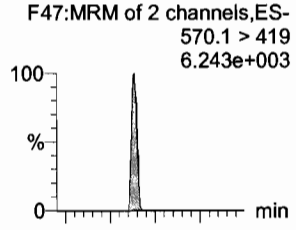
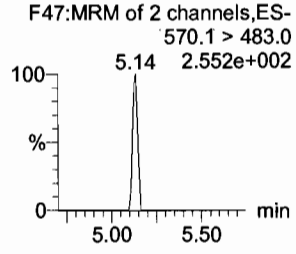
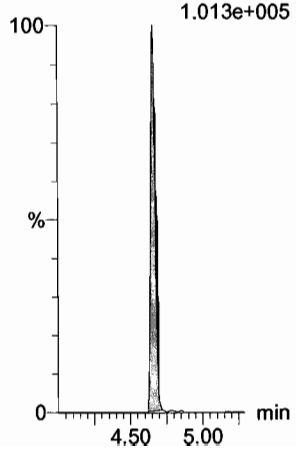




13C8-PFOSA



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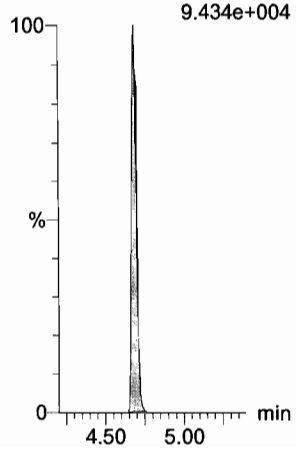

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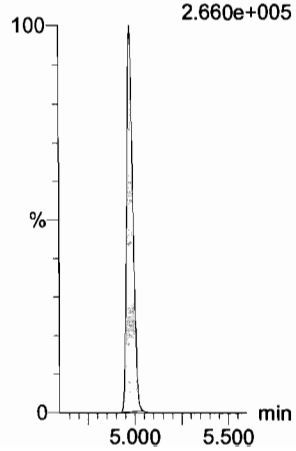

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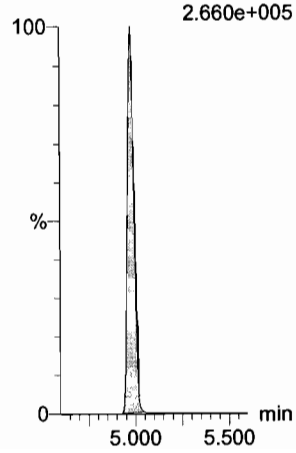

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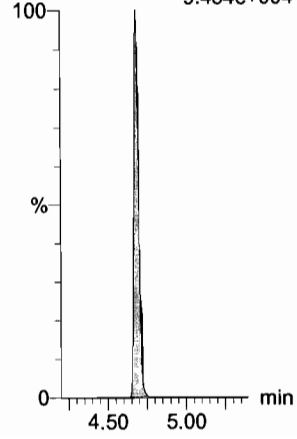

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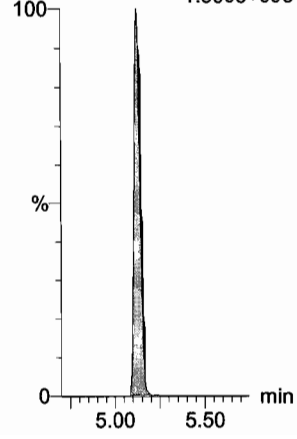
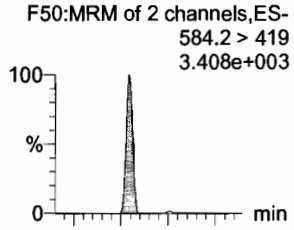


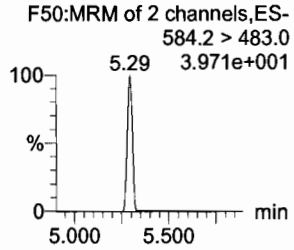
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

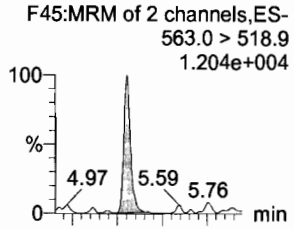
Name: 180130M2_2, Date: 30-Jan-2018, Time: 11:44:38, ID: ST180130M2-1 PFC CS-2 18A1904, Description: PFC CS-2 18A1904

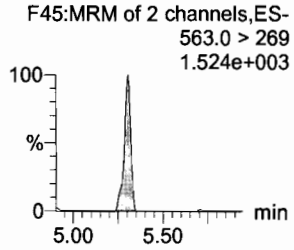
N-EtFOSAA





PFUdA





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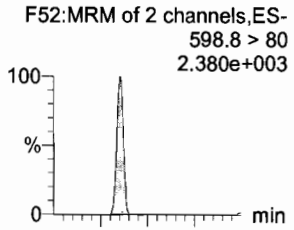
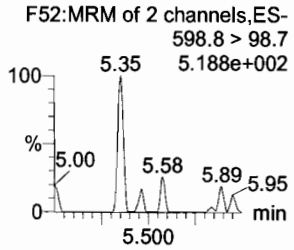
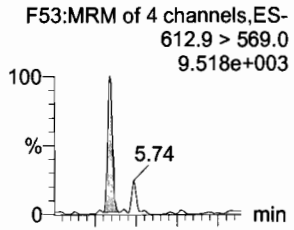
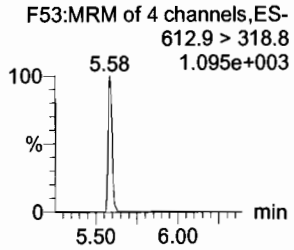


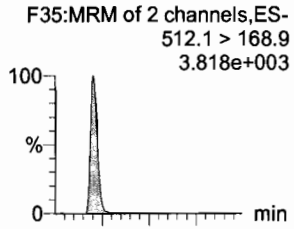


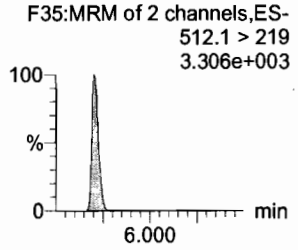
PFDoA



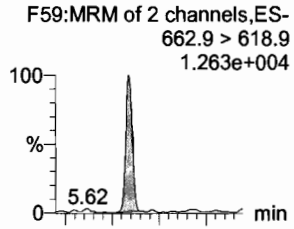


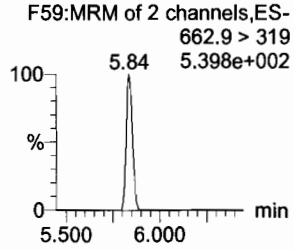
N-MeFOSA



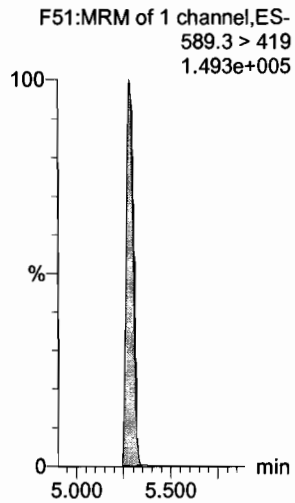


PFTrDA

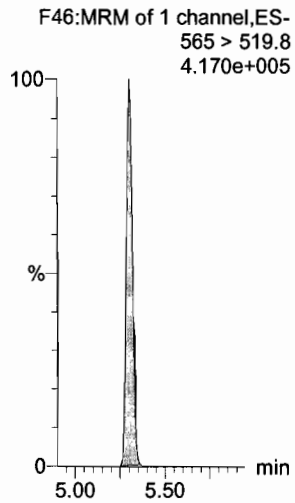




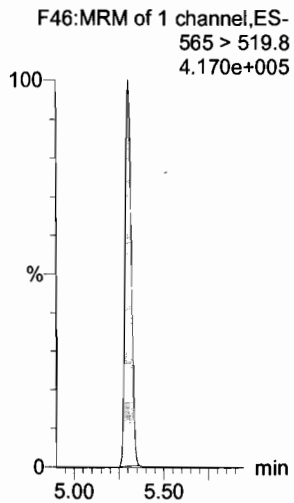
d5-N-EtFOSAA



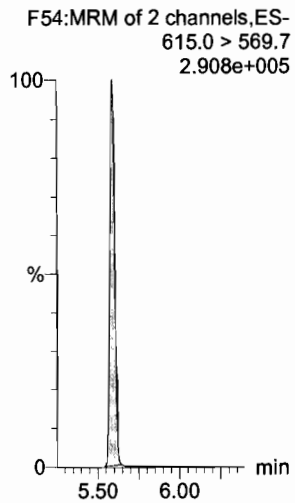
13C2-PFUdA



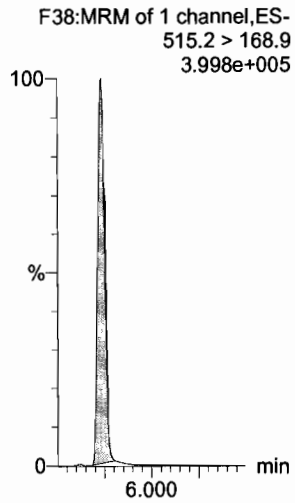
13C2-PFUdA



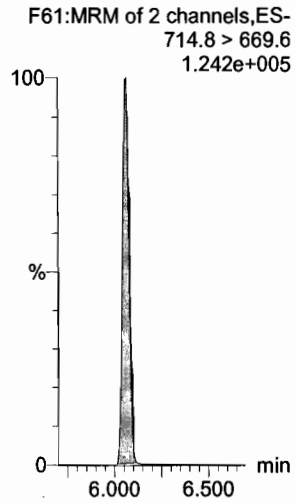
13C2-PFDoA



d3-N-MeFOSA



13C2-PFTeDA

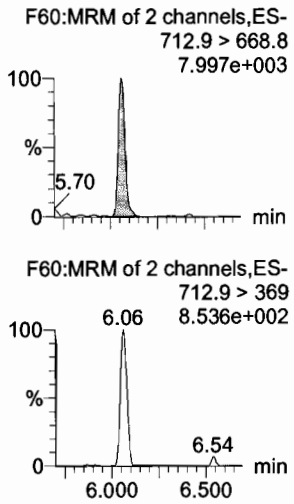


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

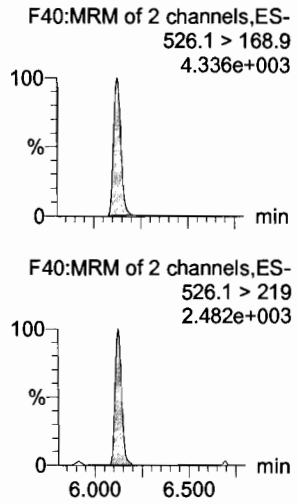
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_2, Date: 30-Jan-2018, Time: 11:44:38, ID: ST180130M2-1 PFC CS-2 18A1904, Description: PFC CS-2 18A1904

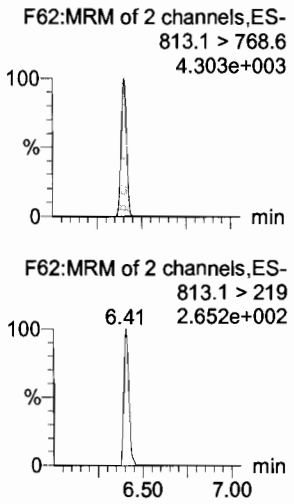
PFTeDA



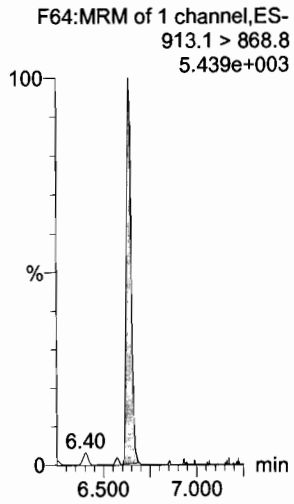
N-EtFOSA



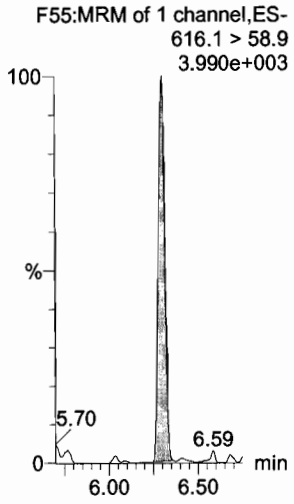
PFHxDA



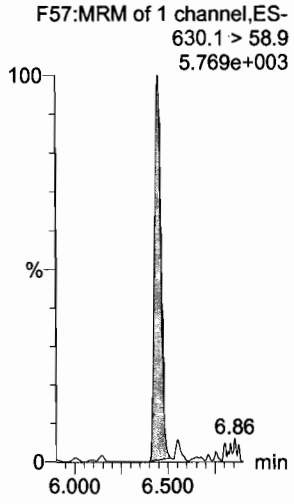
PFODA



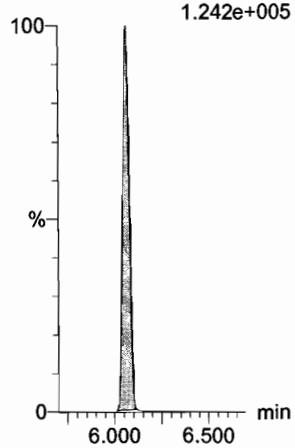
N-MeFOSE



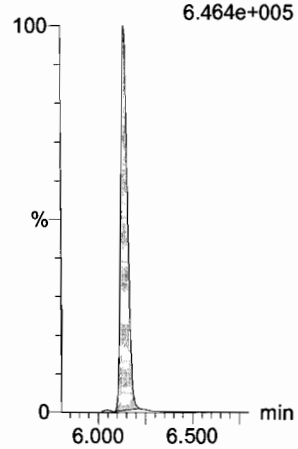
N-EtFOSE



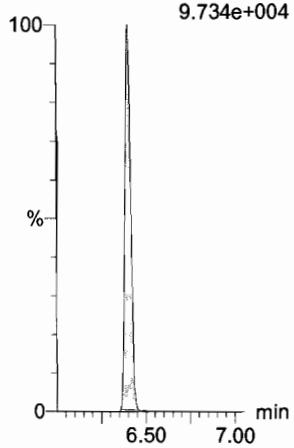
13C2-PFTeDA



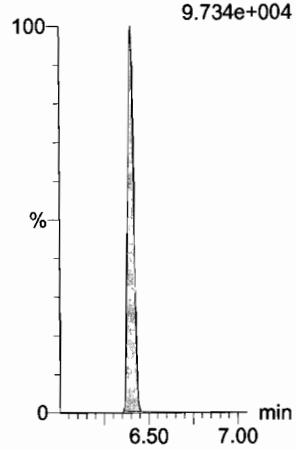
d5-N-ETFOSA



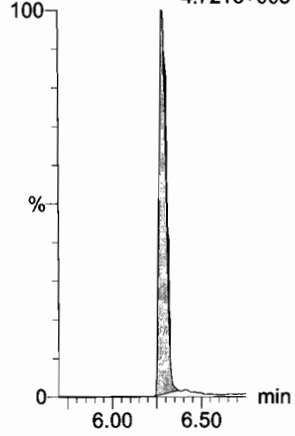
13C2-PFHxDA



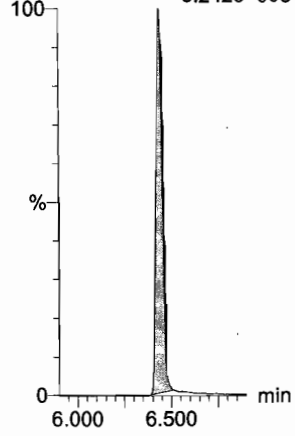
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

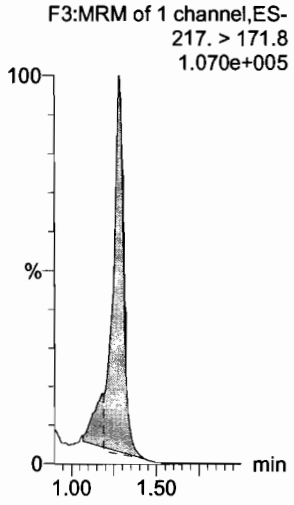


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

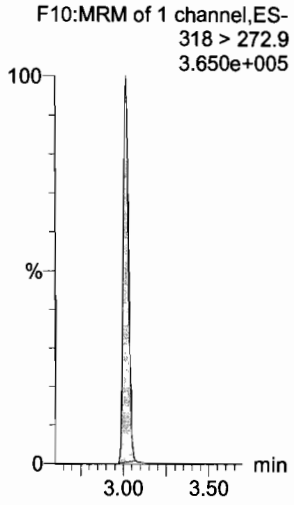
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_2, Date: 30-Jan-2018, Time: 11:44:38, ID: ST180130M2-1 PFC CS-2 18A1904, Description: PFC CS-2 18A1904

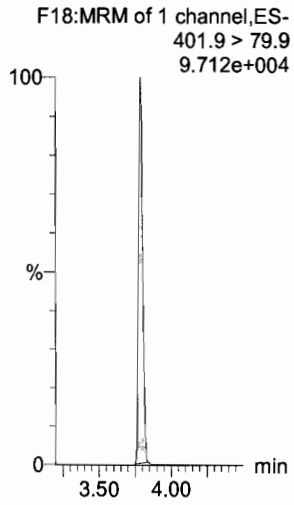
13C4-PFBA



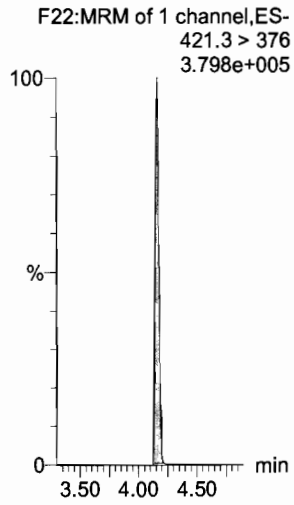
13C5-PFHxA



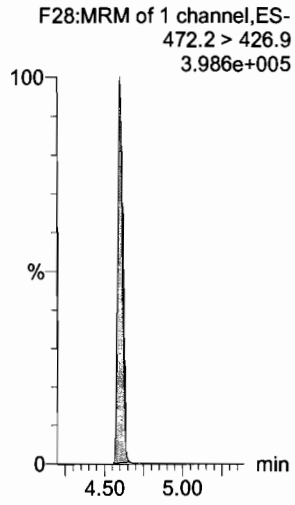
13C3-PFHxS



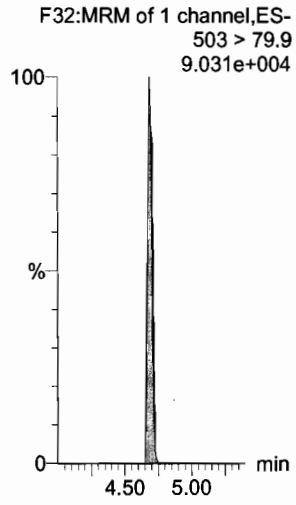
13C8-PFOA



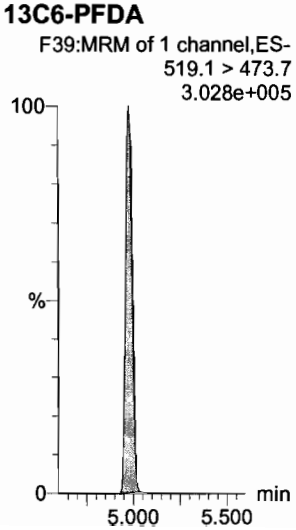
13C9-PFNA



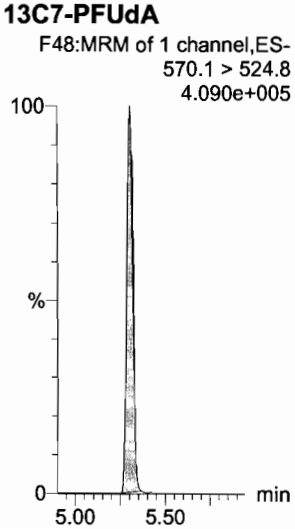
13C4-PFOS



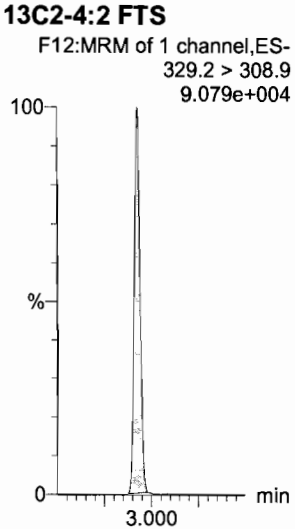
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS

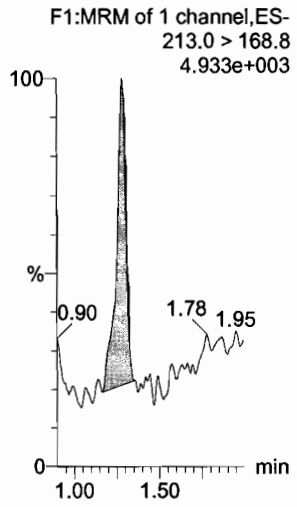


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

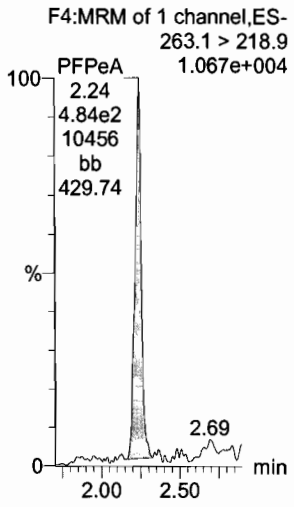
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_3, Date: 30-Jan-2018, Time: 11:56:07, ID: ST180130M2-2 PFC CS-1 18A1905, Description: PFC CS-1 18A1905

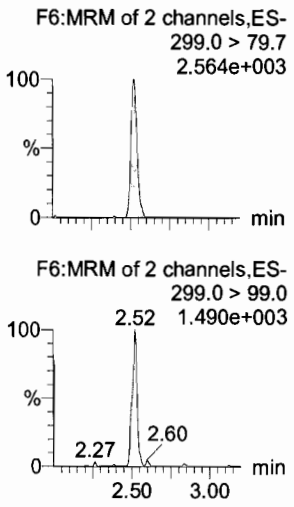
PFBA



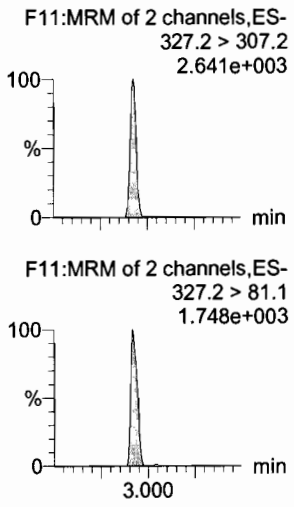
PFPeA



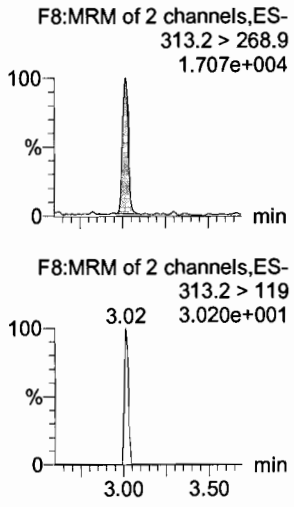
PFBS



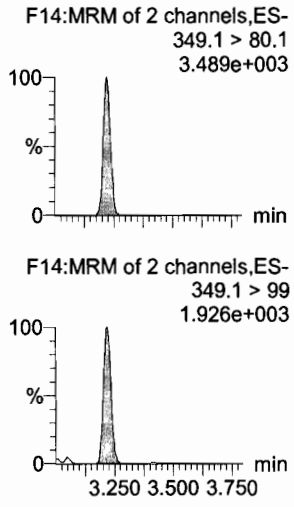
4:2 FTS



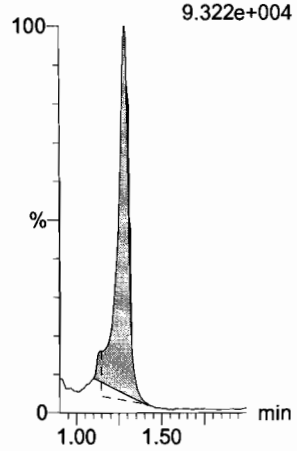
PFHxA



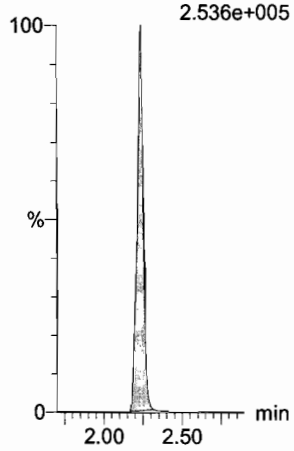
PFPeS



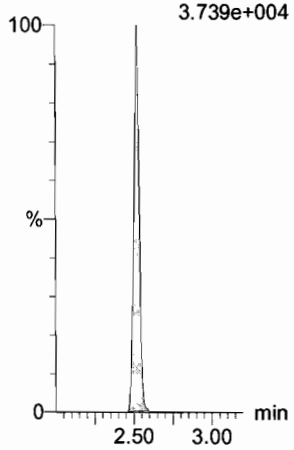
13C3-PFBA



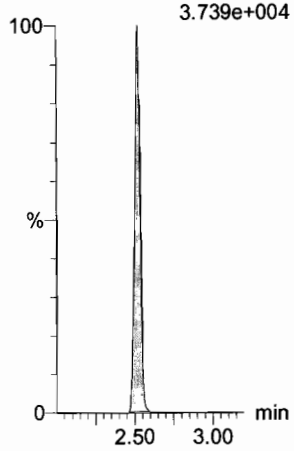
13C3-PFPeA



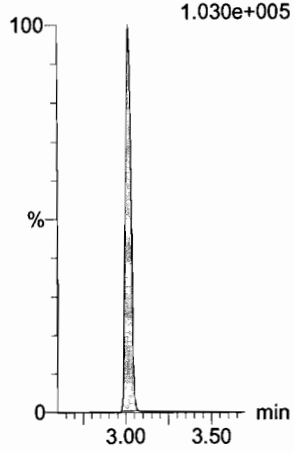
13C3-PFBS



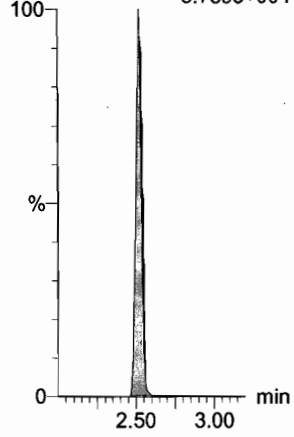
13C3-PFBS



13C2-PFHxA



13C3-PFBS

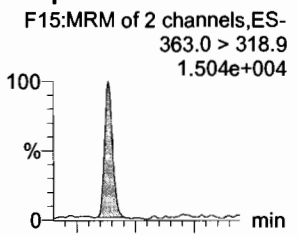


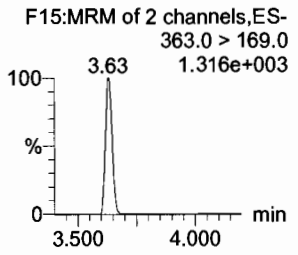
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

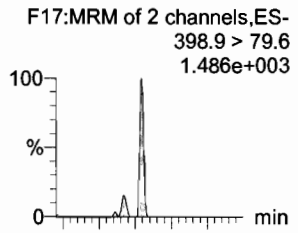
Name: 180130M2_3, Date: 30-Jan-2018, Time: 11:56:07, ID: ST180130M2-2 PFC CS-1 18A1905, Description: PFC CS-1 18A1905

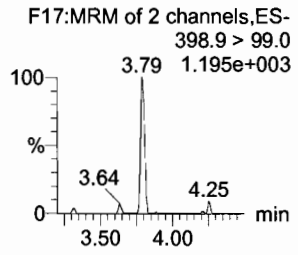
PFHpA



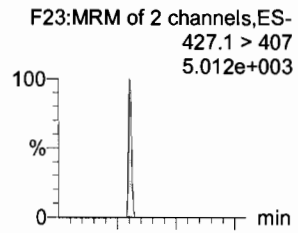


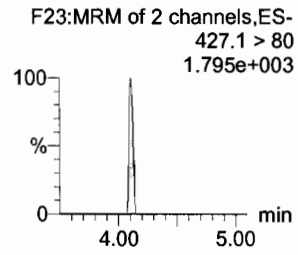
L-PFHxS



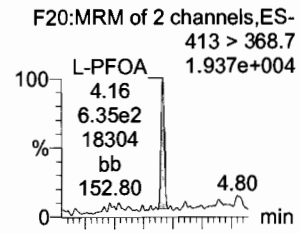


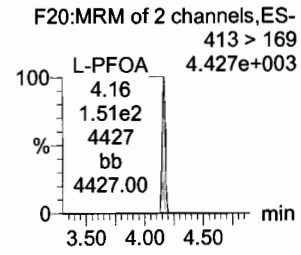
6:2 FTS





L-PFOA





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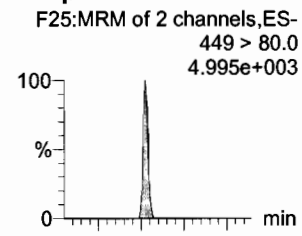

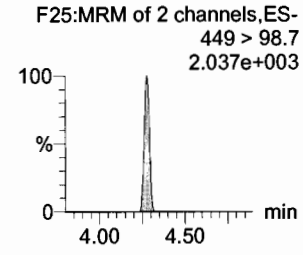

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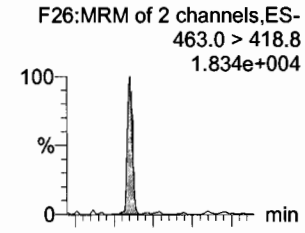

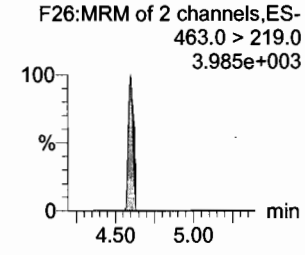

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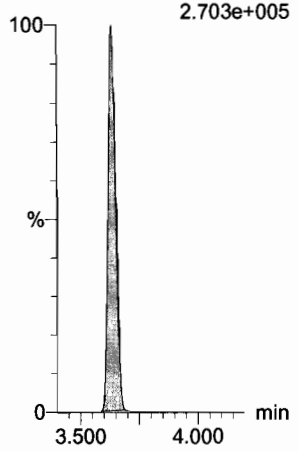
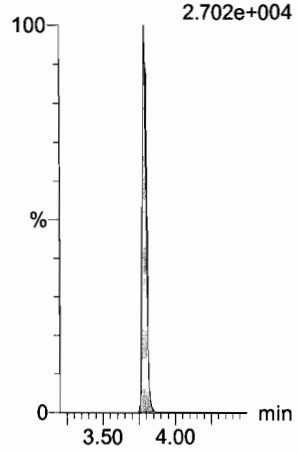


18O2-PFHxS



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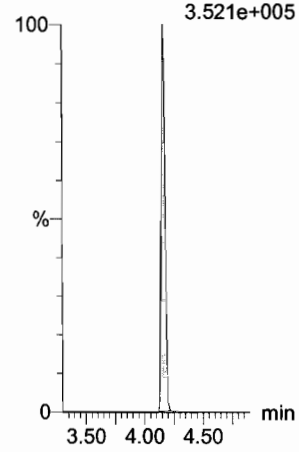

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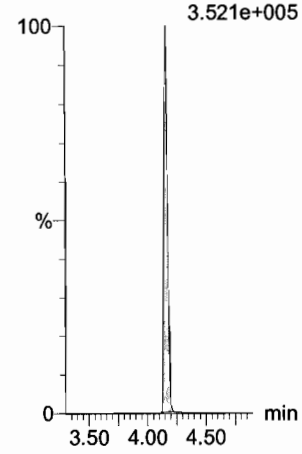

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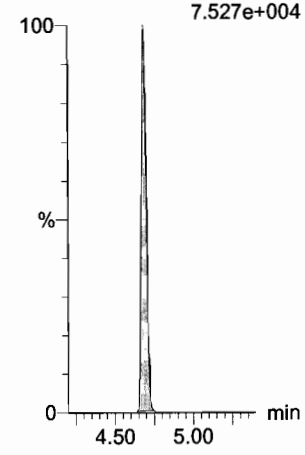

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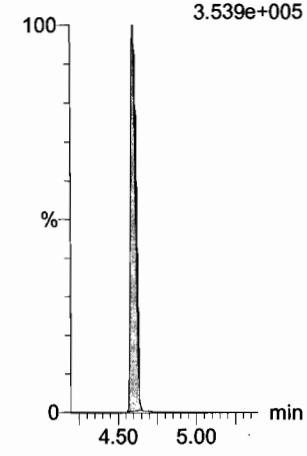

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Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_3, Date: 30-Jan-2018, Time: 11:56:07, ID: ST180130M2-2 PFC CS-1 18A1905, Description: PFC CS-1 18A1905

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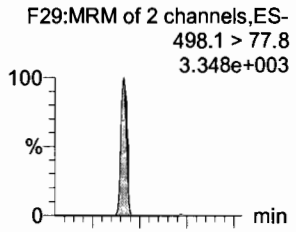

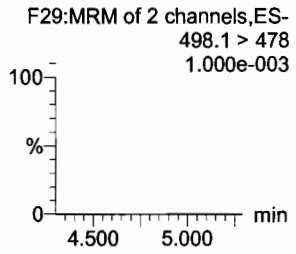

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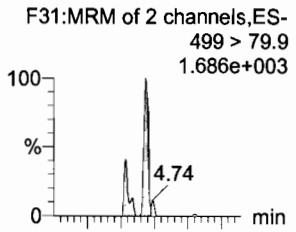

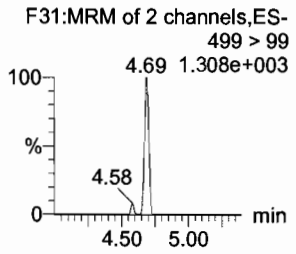

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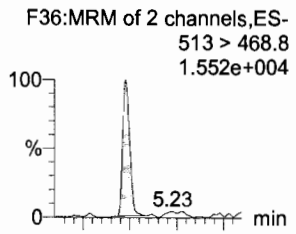
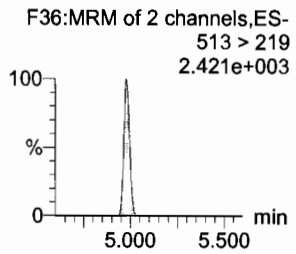
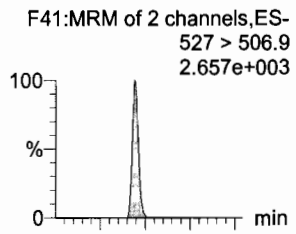
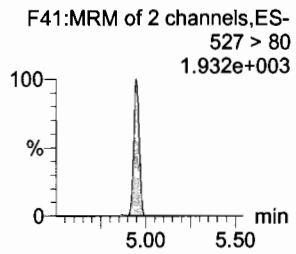




8:2 FTS





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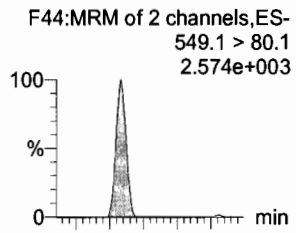

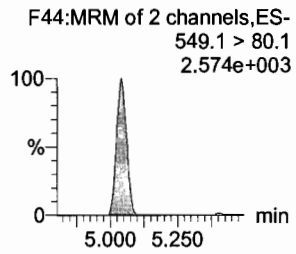

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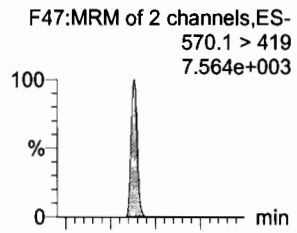

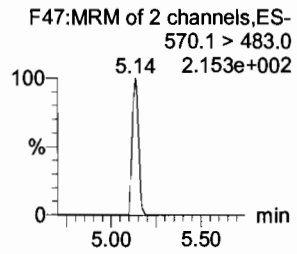

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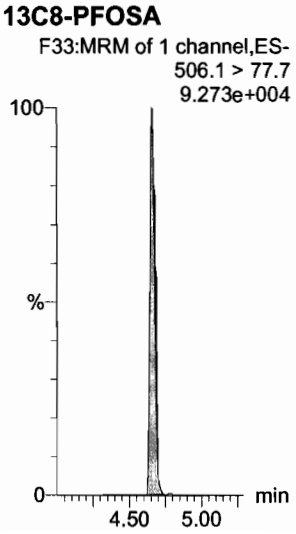

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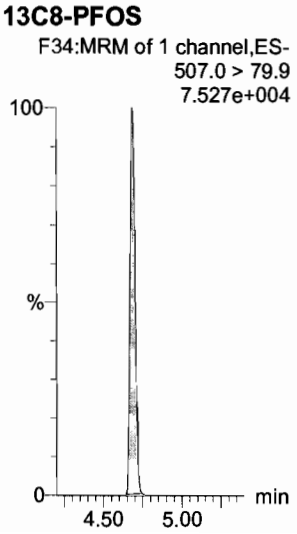

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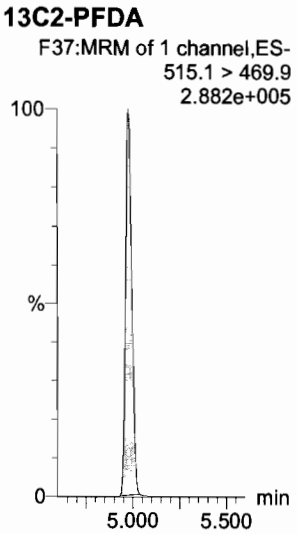

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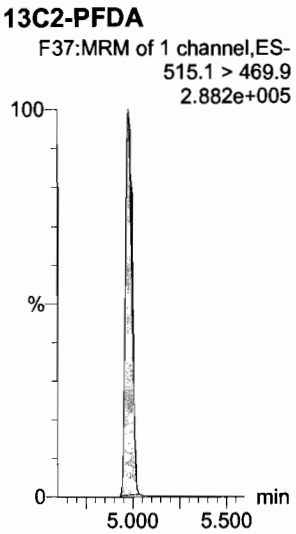

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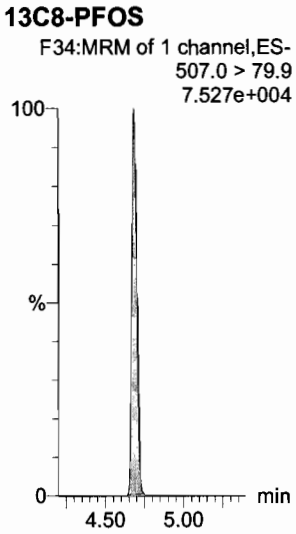

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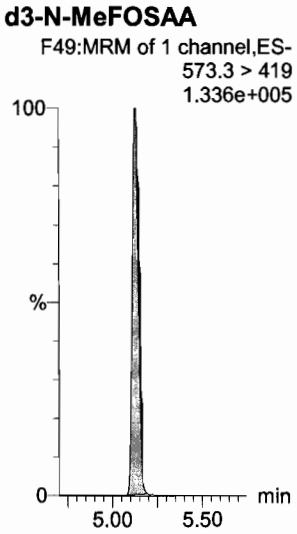

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Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_3, Date: 30-Jan-2018, Time: 11:56:07, ID: ST180130M2-2 PFC CS-1 18A1905, Description: PFC CS-1 18A1905

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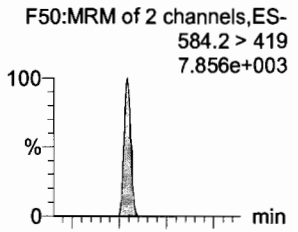

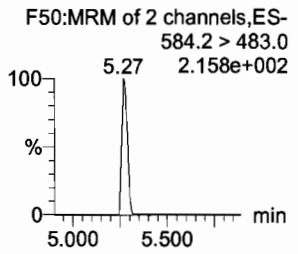

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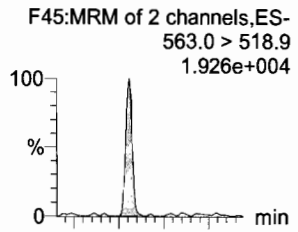

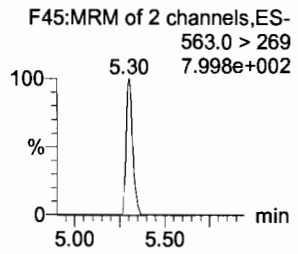

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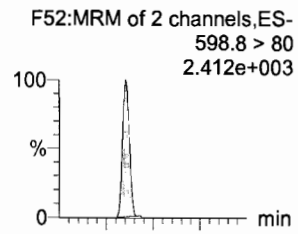

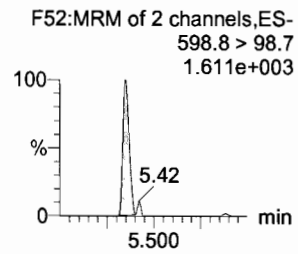

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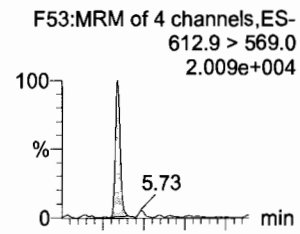

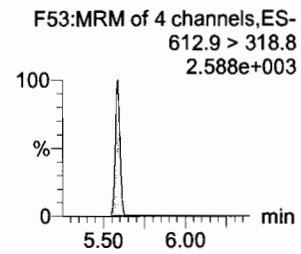

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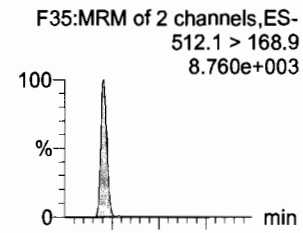

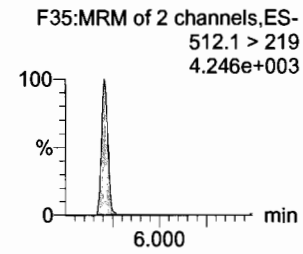

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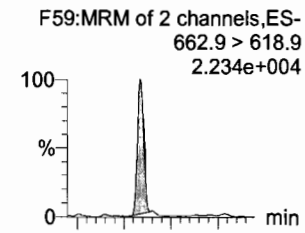

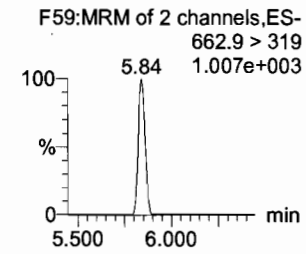

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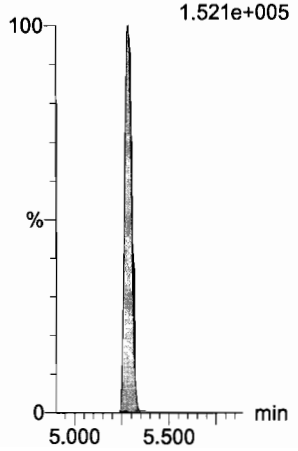

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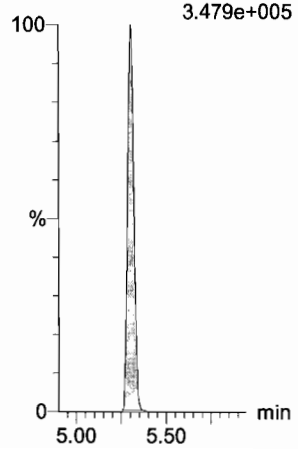

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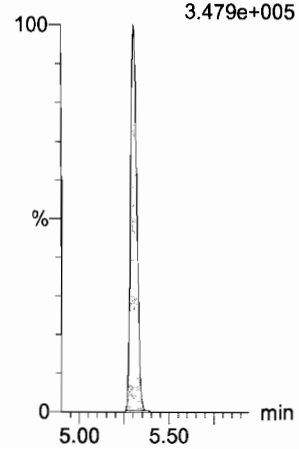

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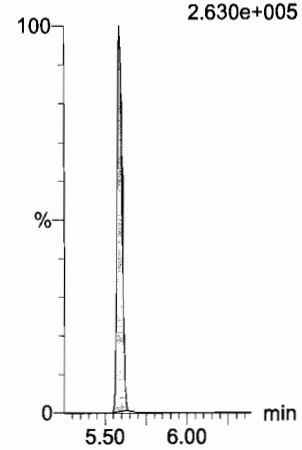

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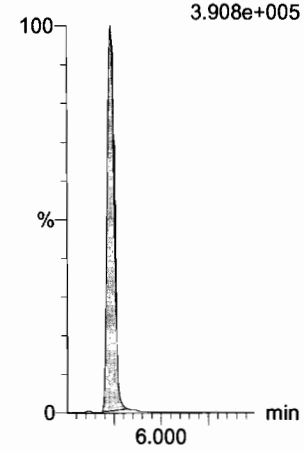

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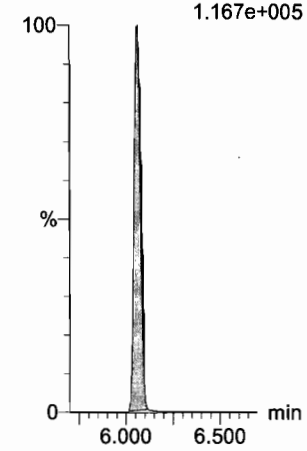

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Name: 180130M2_3, Date: 30-Jan-2018, Time: 11:56:07, ID: ST180130M2-2 PFC CS-1 18A1905, Description: PFC CS-1 18A1905

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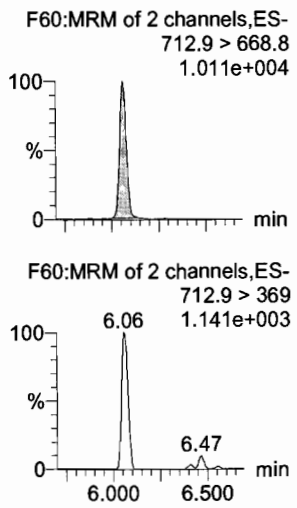

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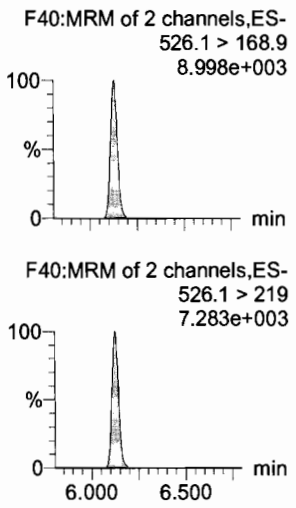

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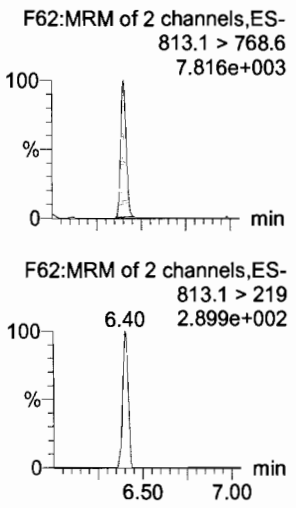

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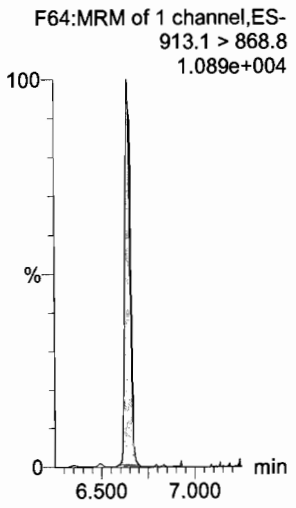

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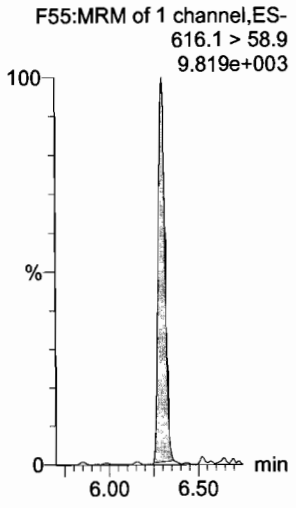

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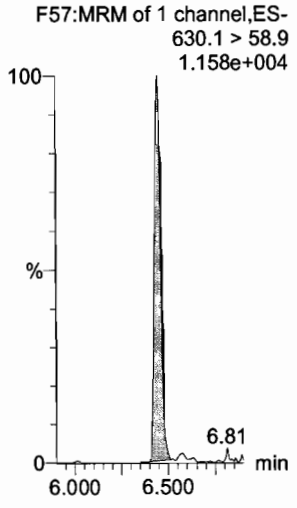

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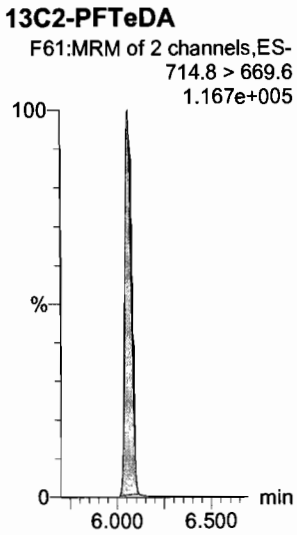
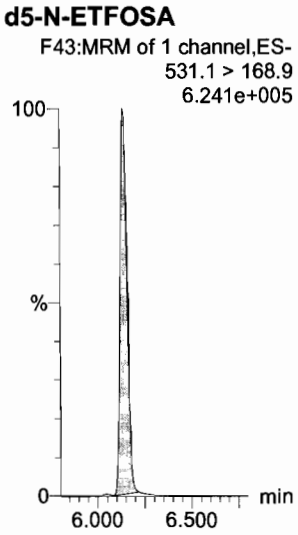


d5-N-ETFOSA



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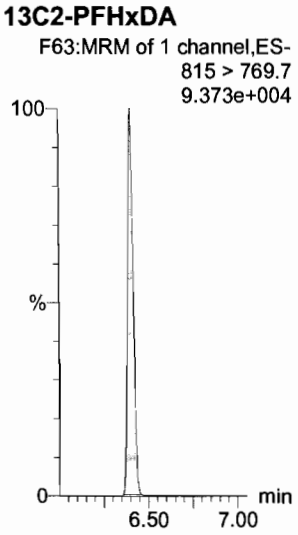

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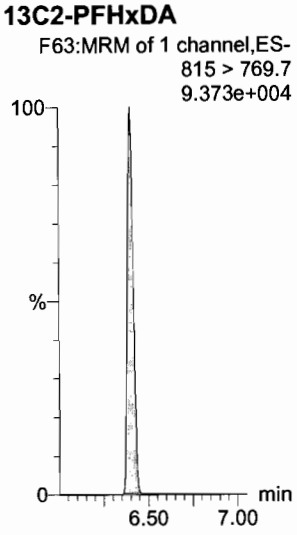
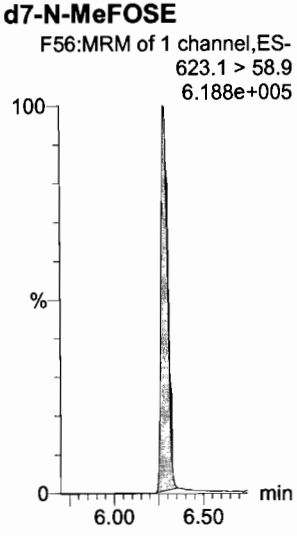
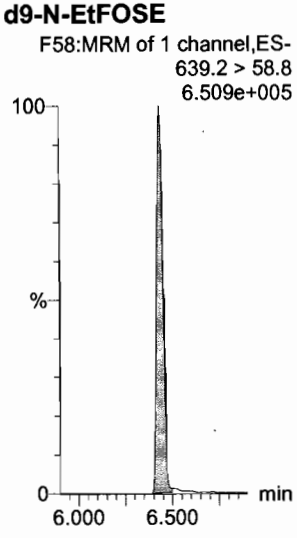


d7-N-MeFOSE



d9-N-EtFOSE

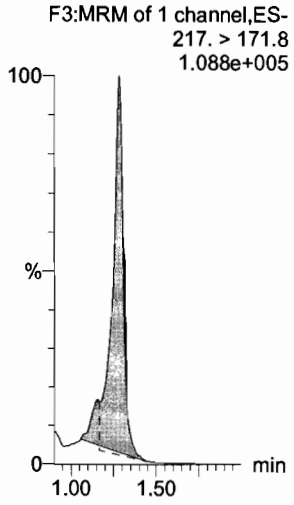


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

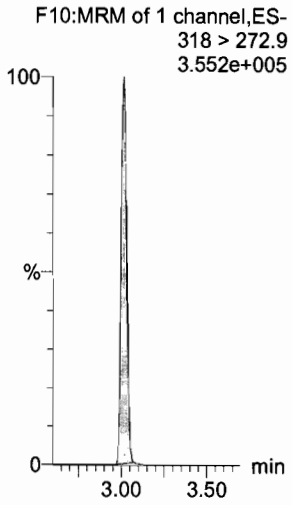
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_3, Date: 30-Jan-2018, Time: 11:56:07, ID: ST180130M2-2 PFC CS-1 18A1905, Description: PFC CS-1 18A1905

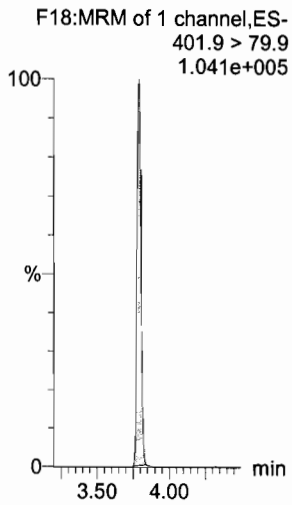
13C4-PFBA



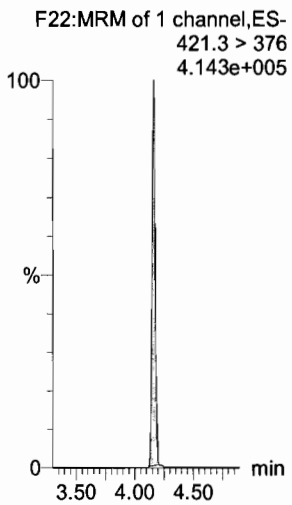
13C5-PFHxA



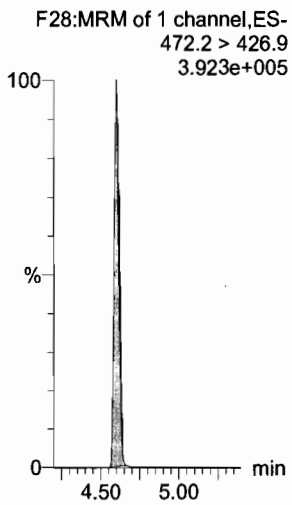
13C3-PFHxS



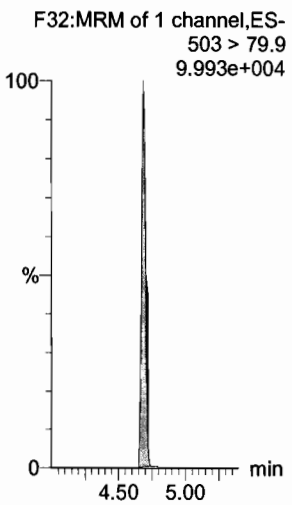
13C8-PFOA



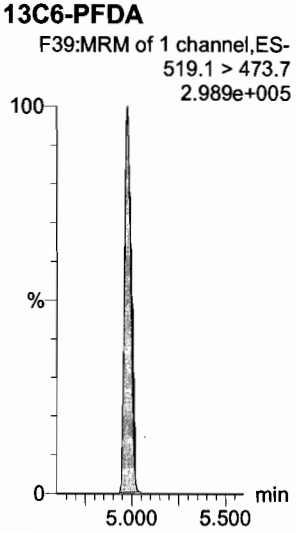
13C9-PFNA



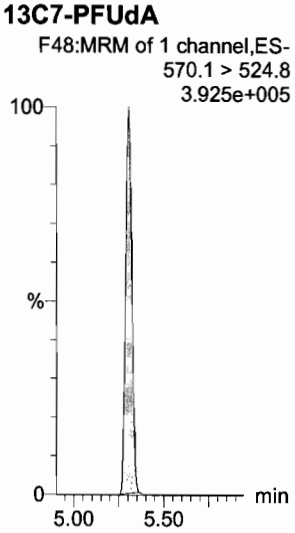
13C4-PFOS



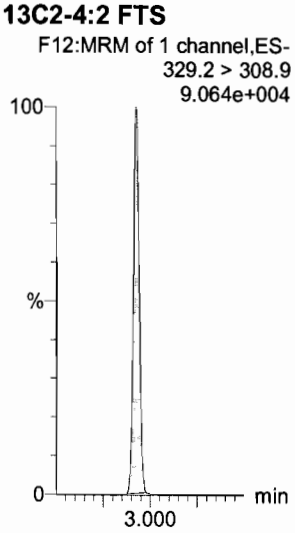
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS

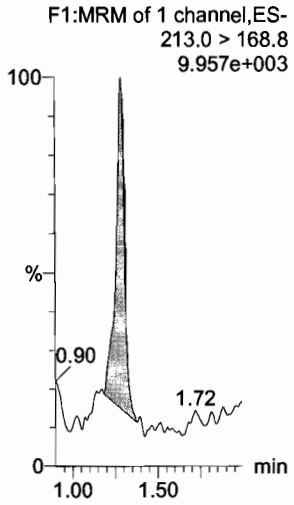


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

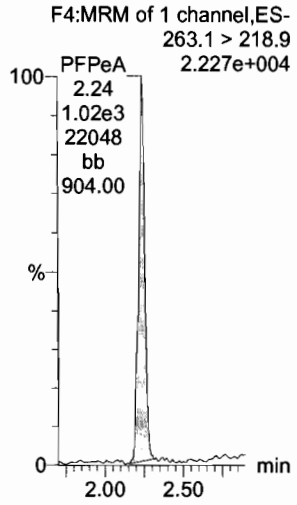
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_4, Date: 30-Jan-2018, Time: 12:07:36, ID: ST180130M2-3 PFC CS0 18A1906, Description: PFC CS0 18A1906

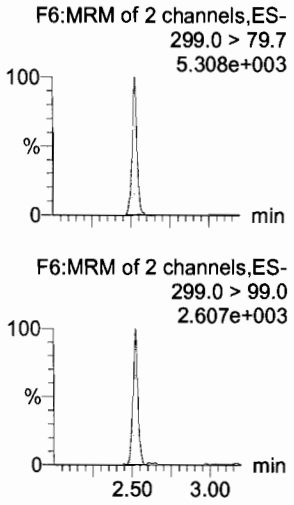
PFBA



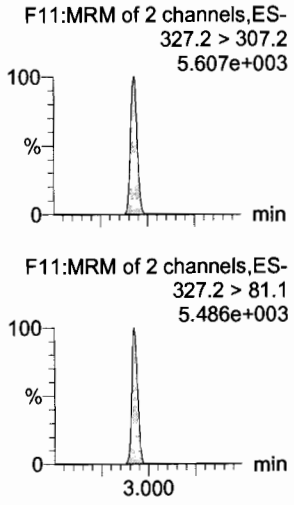
PFPeA



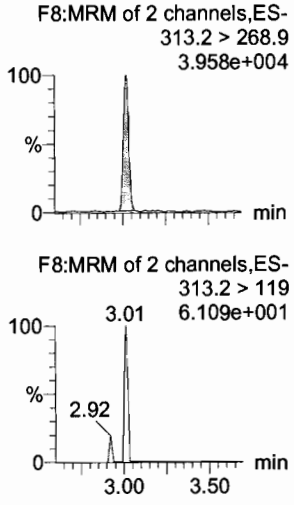
PFBS



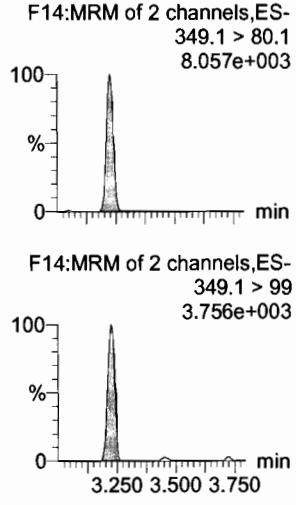
4:2 FTS



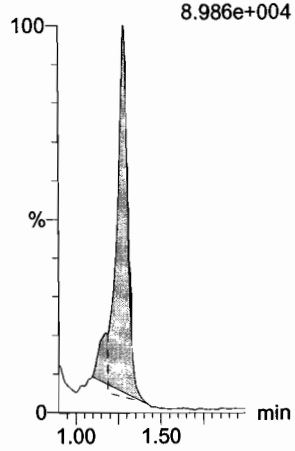
PFHxA



PFPeS



13C3-PFBA



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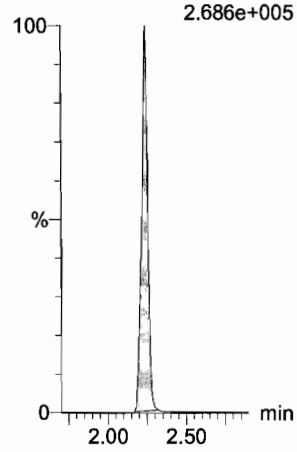

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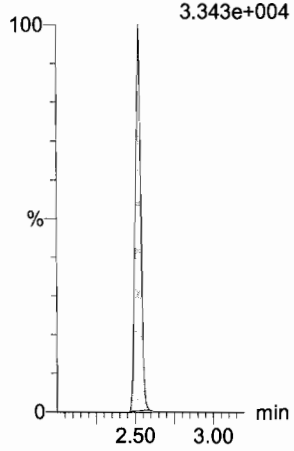
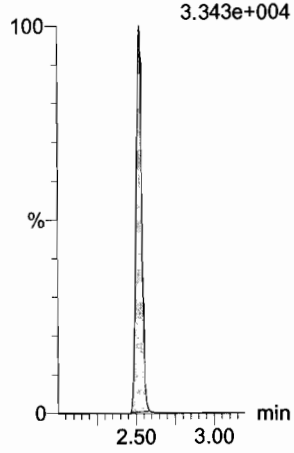
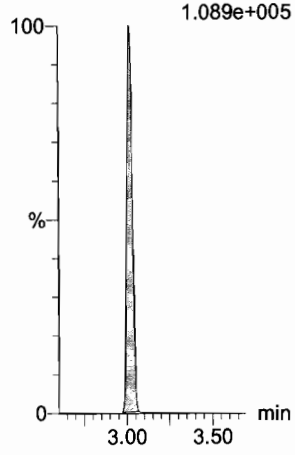


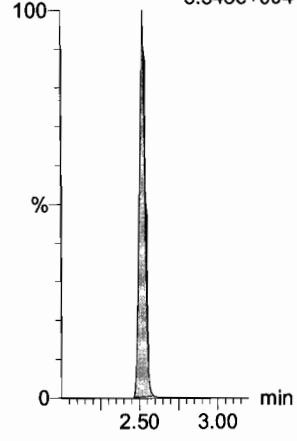
13C3-PFBS



13C2-PFHxA



13C3-PFBS

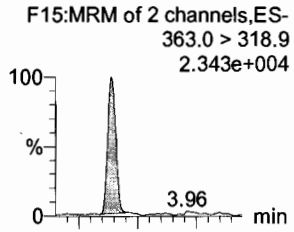


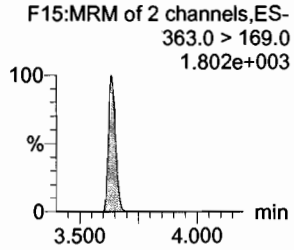
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

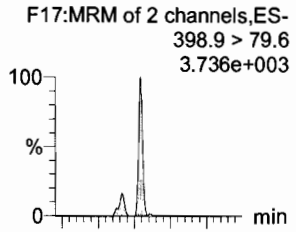
Name: 180130M2_4, Date: 30-Jan-2018, Time: 12:07:36, ID: ST180130M2-3 PFC CS0 18A1906, Description: PFC CS0 18A1906

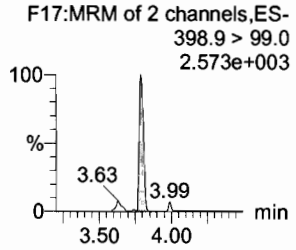
PFHpA



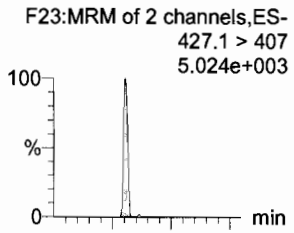


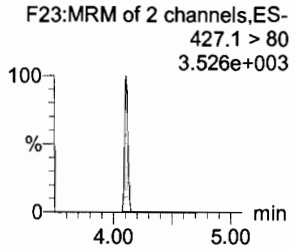
L-PFHxS



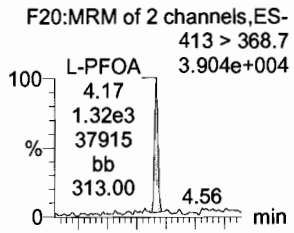


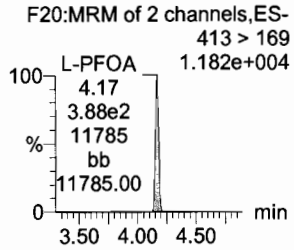
6:2 FTS



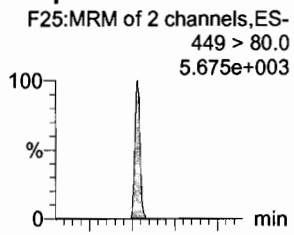


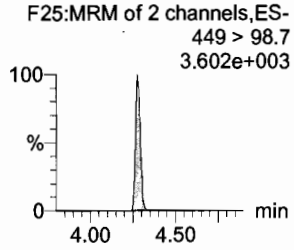
L-PFOA



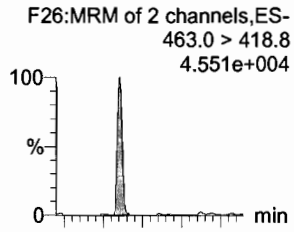


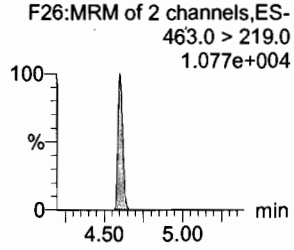
PFHpS



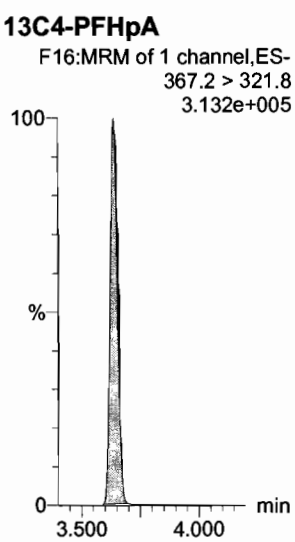


PFNA

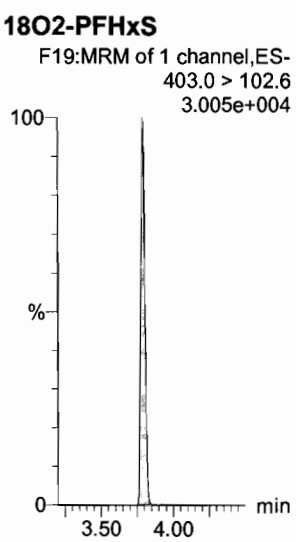




13C4-PFHpA



18O2-PFHxS



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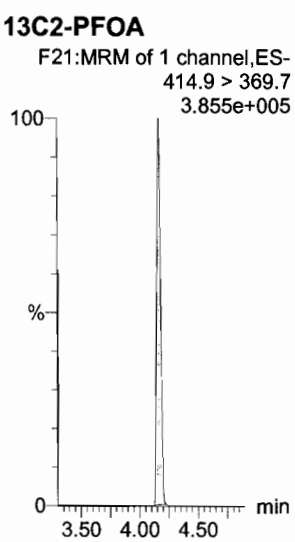

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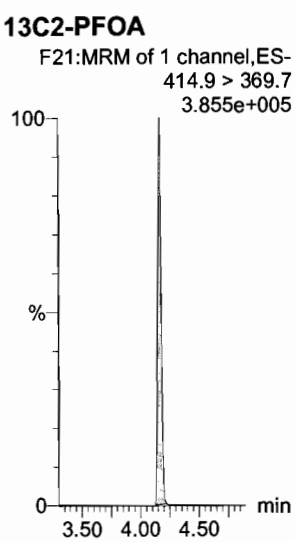
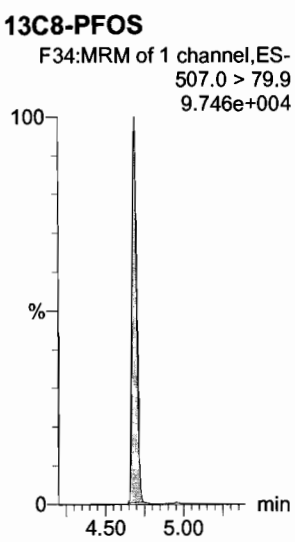
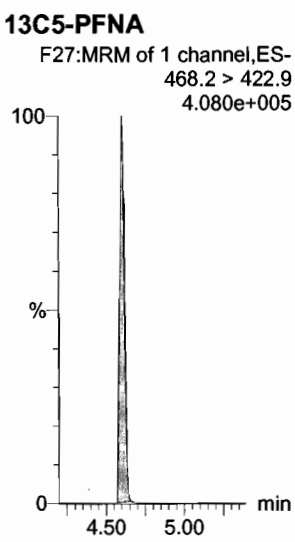


13C8-PFOS



13C5-PFNA

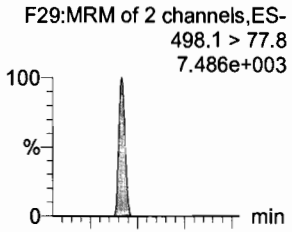


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

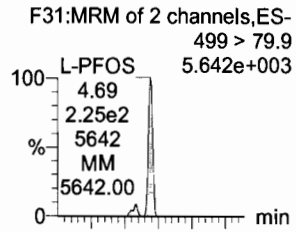
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_4, Date: 30-Jan-2018, Time: 12:07:36, ID: ST180130M2-3 PFC CS0 18A1906, Description: PFC CS0 18A1906

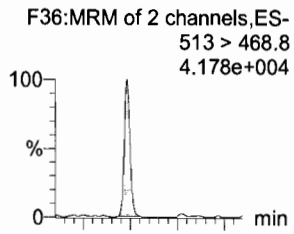
PFOSA



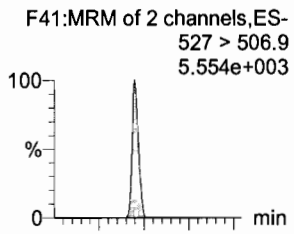
L-PFOS



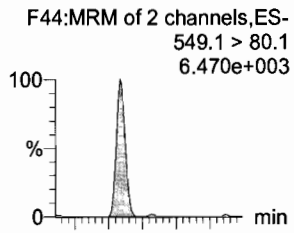
PFDA



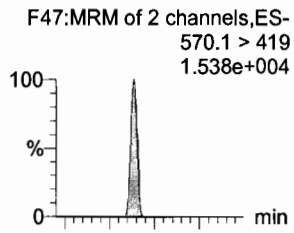
8:2 FTS

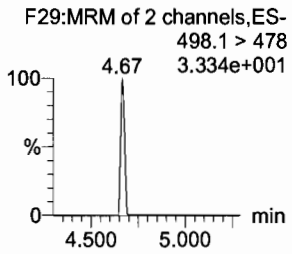


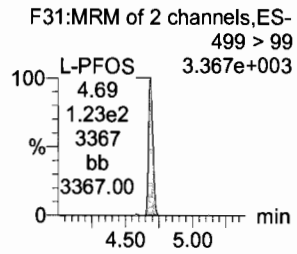
PFNS

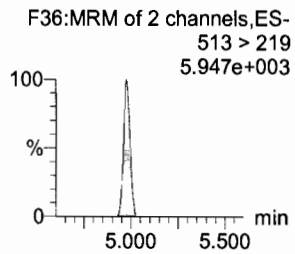


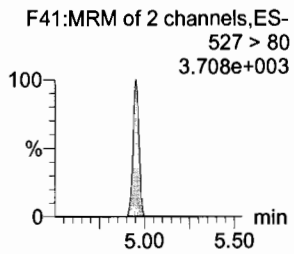
N-MeFOSAA

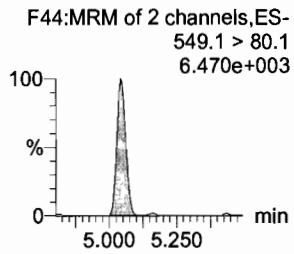


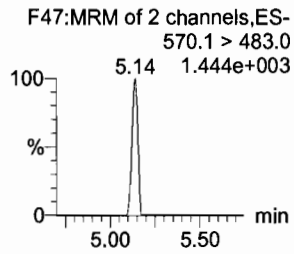




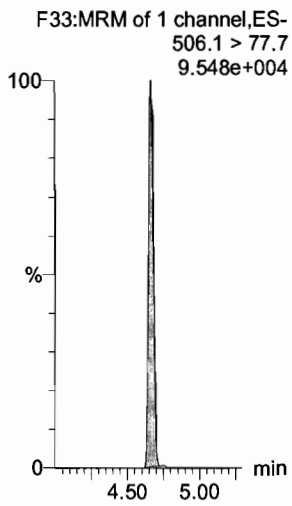




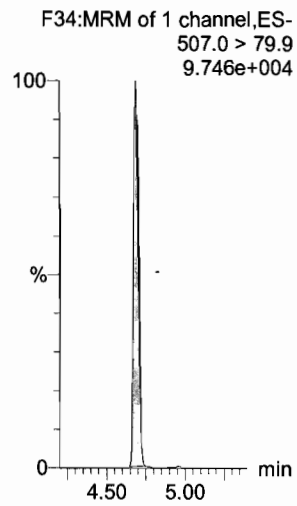




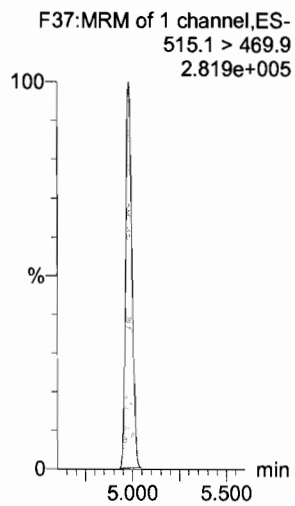
13C8-PFOSA



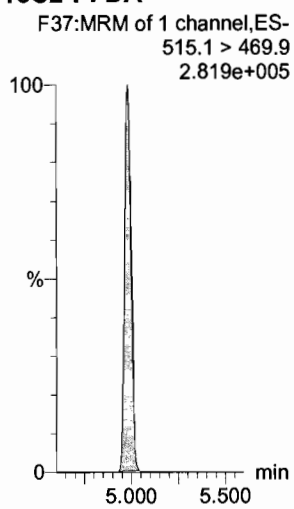
13C8-PFOS



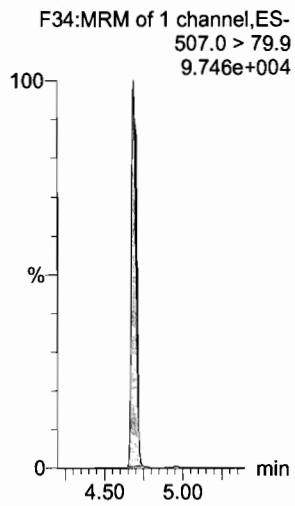
13C2-PFDA



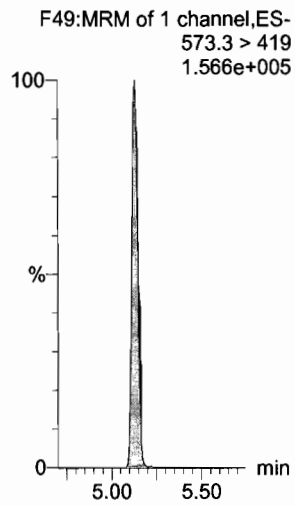
13C2-PFDA



13C8-PFOS



d3-N-MeFOSAA

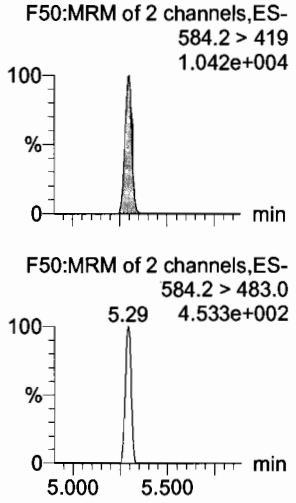


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

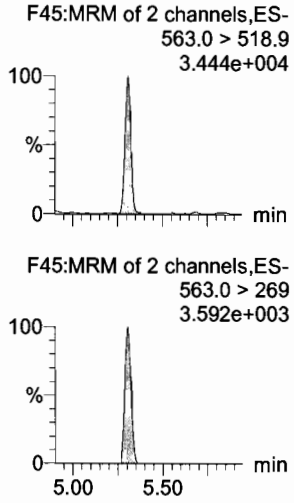
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_4, Date: 30-Jan-2018, Time: 12:07:36, ID: ST180130M2-3 PFC CS0 18A1906, Description: PFC CS0 18A1906

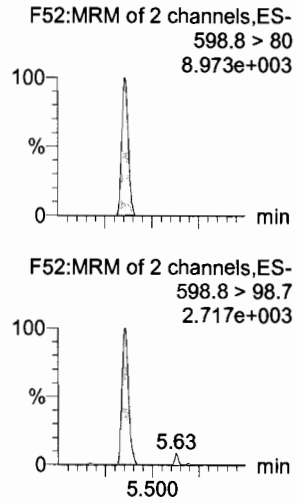
N-EtFOSAA



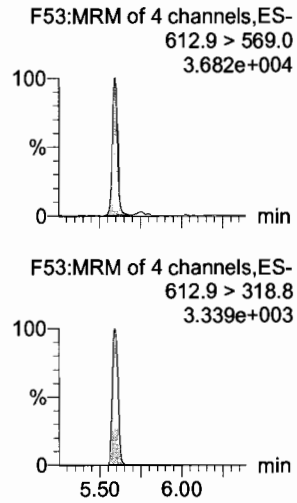
PFUdA



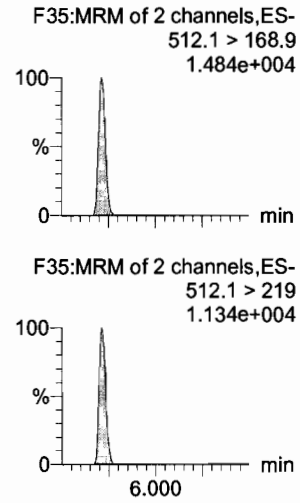
PFDS



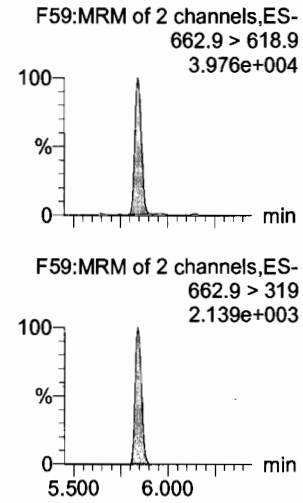
PFDoA



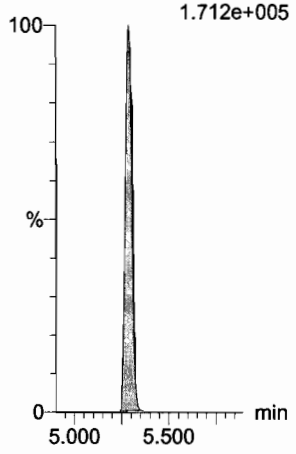
N-MeFOSA



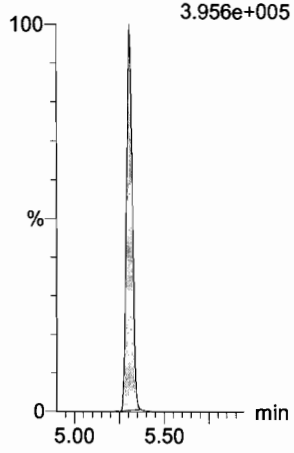
PFTrDA



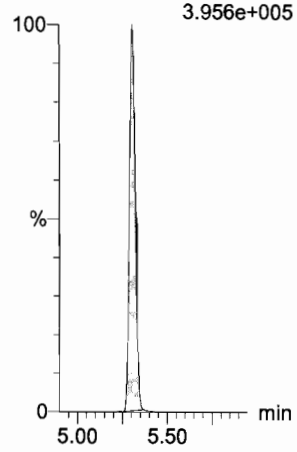
d5-N-EtFOSAA



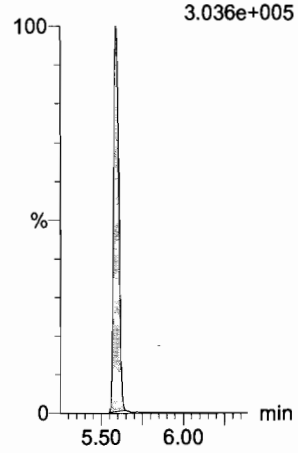
13C2-PFUdA



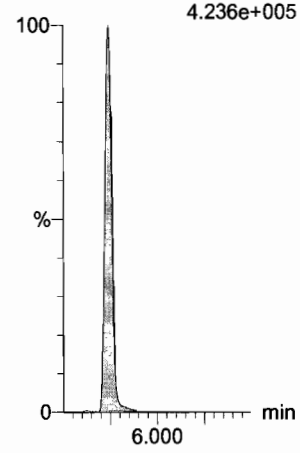
13C2-PFUdA



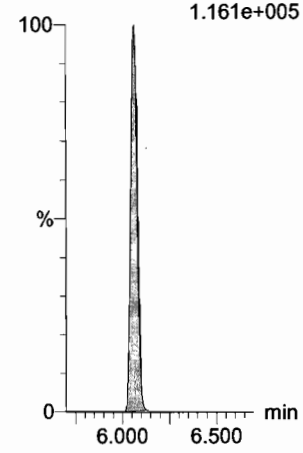
13C2-PFDoA



d3-N-MeFOSA



13C2-PFTeDA

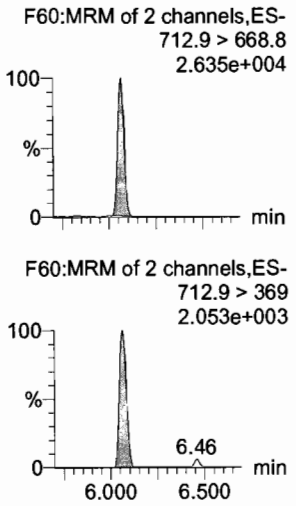


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

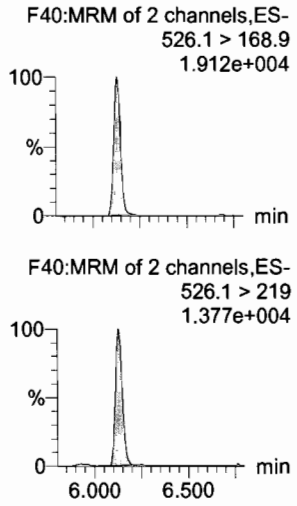
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_4, Date: 30-Jan-2018, Time: 12:07:36, ID: ST180130M2-3 PFC CS0 18A1906, Description: PFC CS0 18A1906

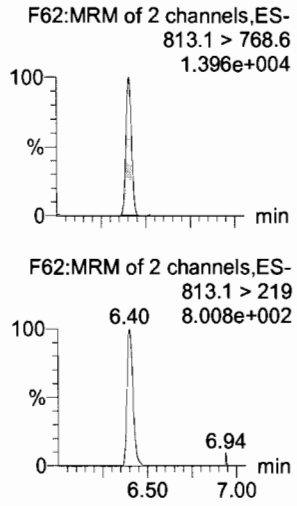
PFTeDA



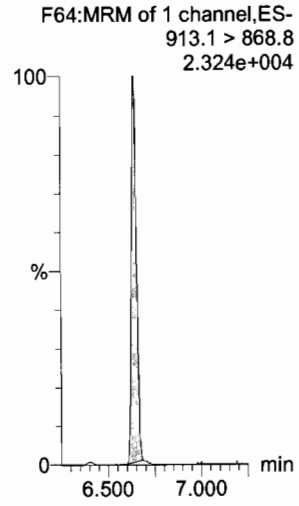
N-EtFOSA



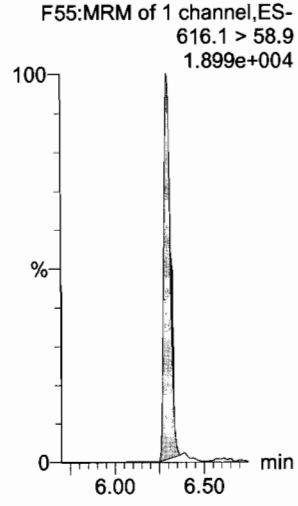
PFHxDA



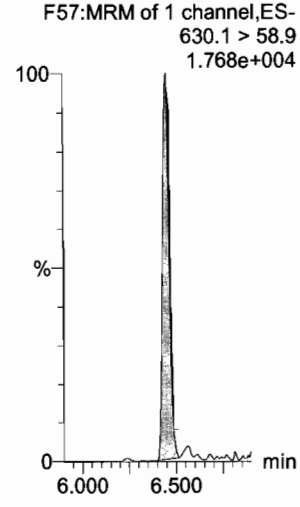
PFODA



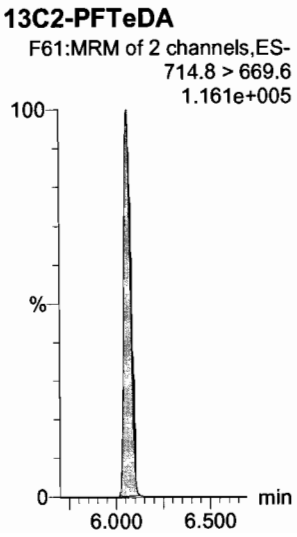
N-MeFOSE



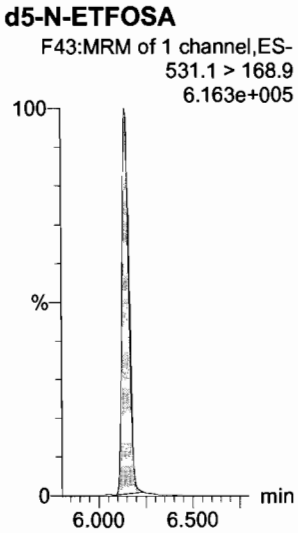
N-EtFOSE



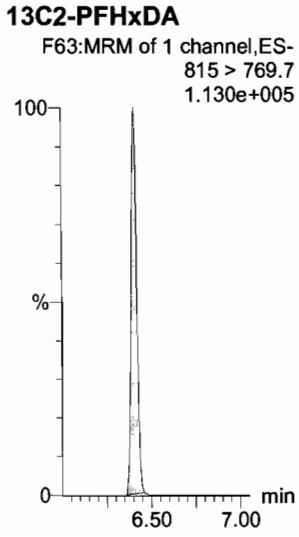
13C2-PFTeDA



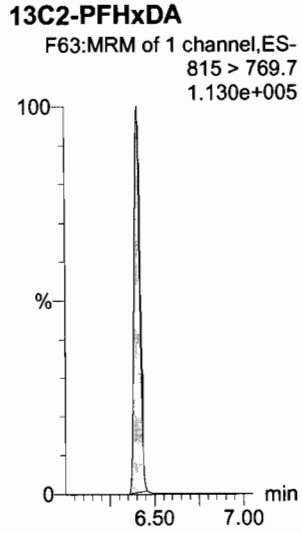
d5-N-ETFOSA



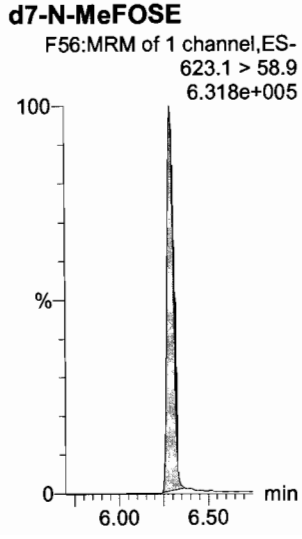
13C2-PFHxDA



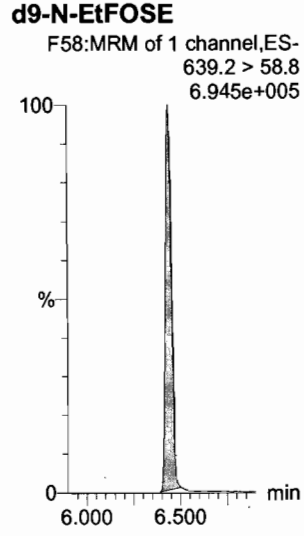
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

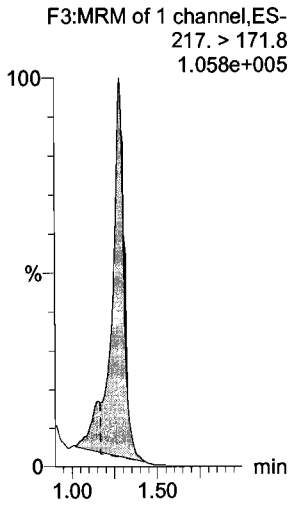


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

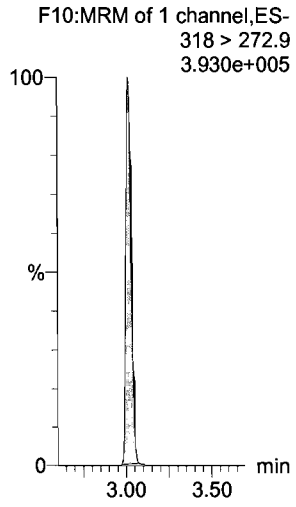
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_4, Date: 30-Jan-2018, Time: 12:07:36, ID: ST180130M2-3 PFC CS0 18A1906, Description: PFC CS0 18A1906

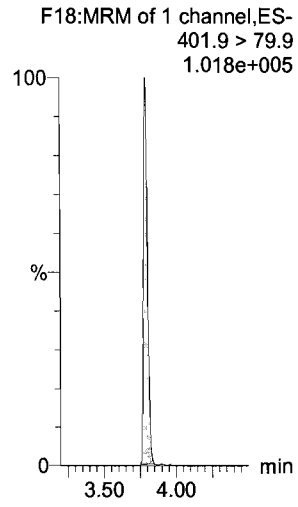
13C4-PFBA



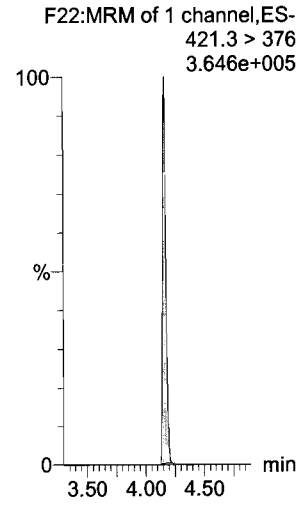
13C5-PFHxA



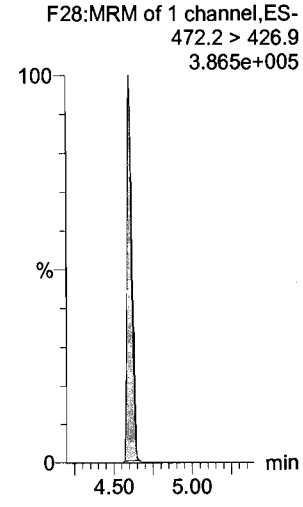
13C3-PFHxS



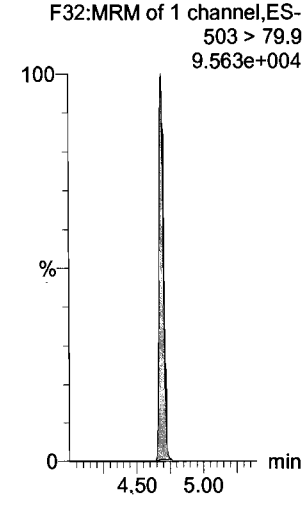
13C8-PFOA



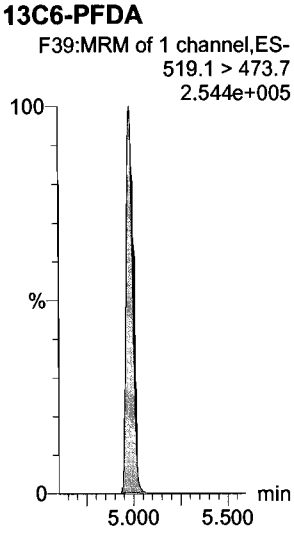
13C9-PFNA



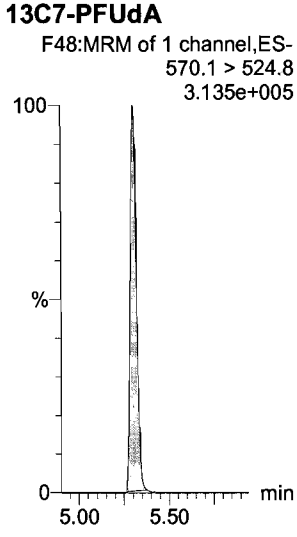
13C4-PFOS



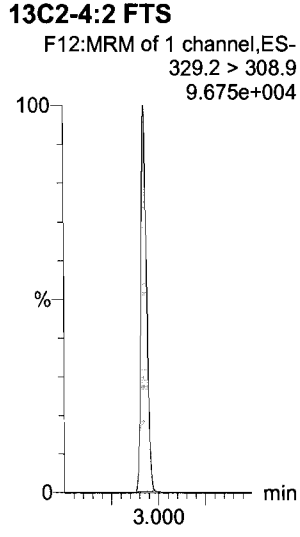
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS

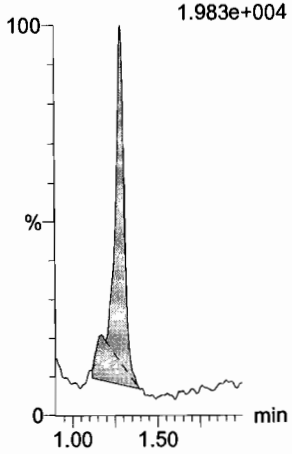


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

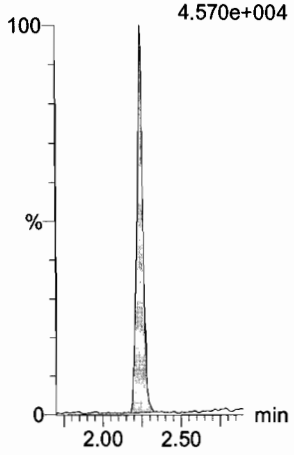
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_5, Date: 30-Jan-2018, Time: 12:19:06, ID: ST180130M2-4 PFC CS1 18A1907, Description: PFC CS1 18A1907

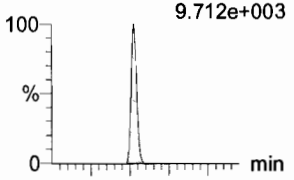
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
1.983e+004



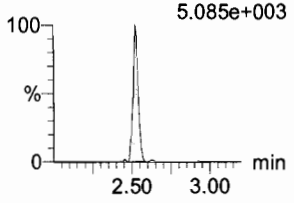
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
4.570e+004



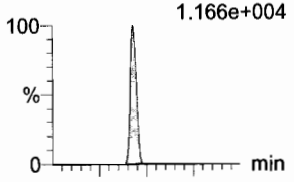
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
9.712e+003



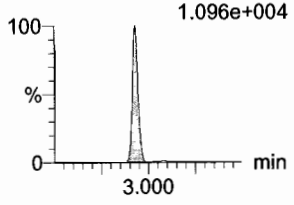
F6:MRM of 2 channels,ES-
299.0 > 99.0
5.085e+003



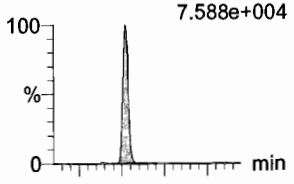
4:2 FTS
F11:MRM of 2 channels,ES-
327.2 > 307.2
1.166e+004



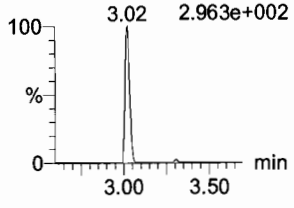
F11:MRM of 2 channels,ES-
327.2 > 81.1
1.096e+004



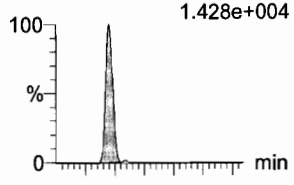
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
7.588e+004



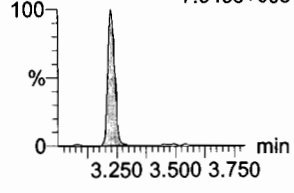
F8:MRM of 2 channels,ES-
313.2 > 119
3.02 2.963e+002



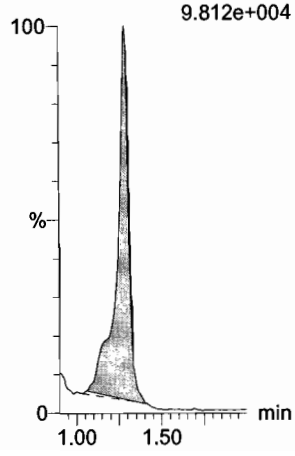
PFPeS
F14:MRM of 2 channels,ES-
349.1 > 80.1
1.428e+004



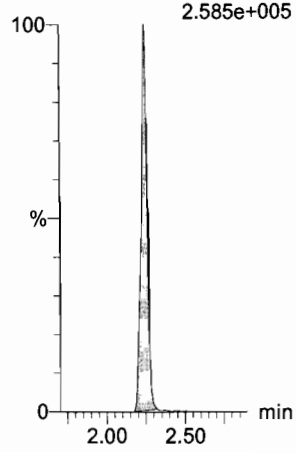
F14:MRM of 2 channels,ES-
349.1 > 99
7.949e+003



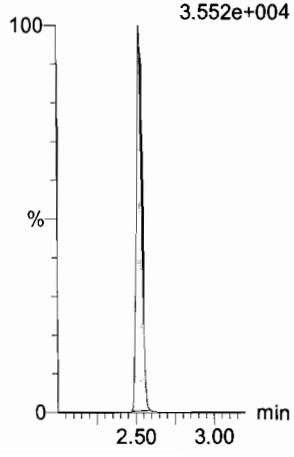
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
9.812e+004



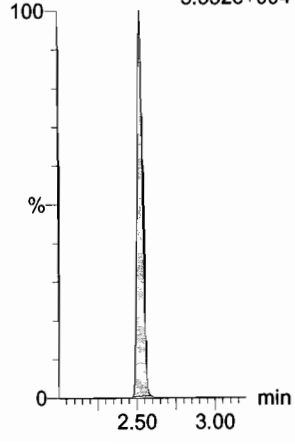
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.585e+005



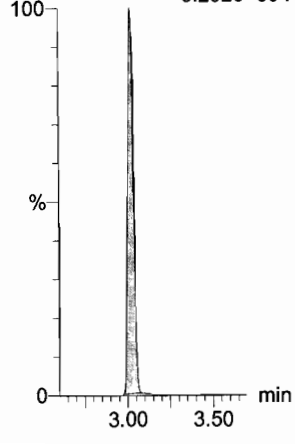
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.552e+004



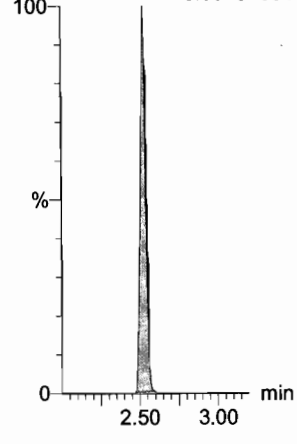
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.552e+004



13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
9.202e+004



13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.552e+004

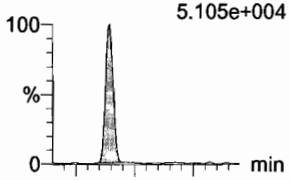


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

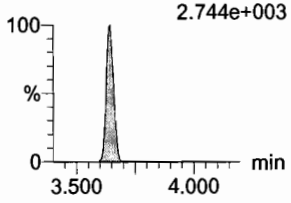
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_5, Date: 30-Jan-2018, Time: 12:19:06, ID: ST180130M2-4 PFC CS1 18A1907, Description: PFC CS1 18A1907

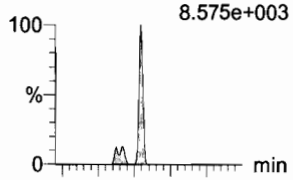
PFHpA
F15:MRM of 2 channels,ES-
363.0 > 318.9
5.105e+004



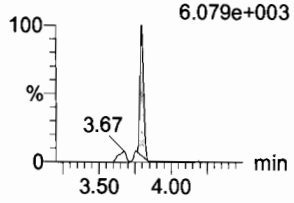
F15:MRM of 2 channels,ES-
363.0 > 169.0
2.744e+003



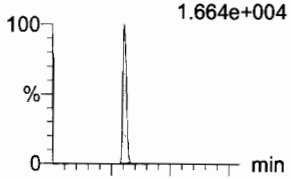
L-PFHxS
F17:MRM of 2 channels,ES-
398.9 > 79.6
8.575e+003



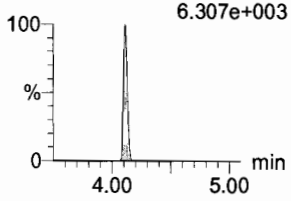
F17:MRM of 2 channels,ES-
398.9 > 99.0
6.079e+003



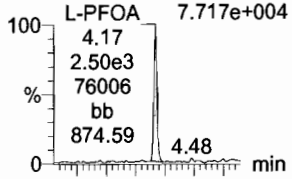
6:2 FTS
F23:MRM of 2 channels,ES-
427.1 > 407
1.664e+004



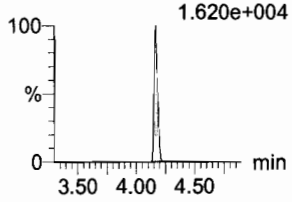
F23:MRM of 2 channels,ES-
427.1 > 80
6.307e+003



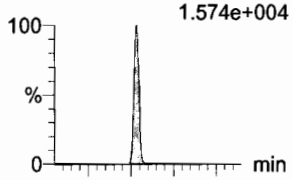
L-PFOA
F20:MRM of 2 channels,ES-
413 > 368.7
7.717e+004



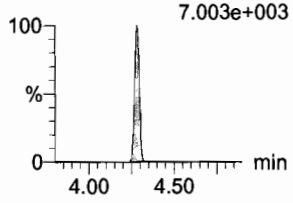
F20:MRM of 2 channels,ES-
413 > 169
1.620e+004



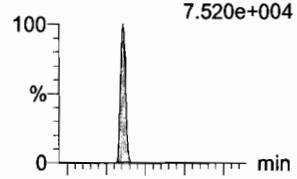
PFHpS
F25:MRM of 2 channels,ES-
449 > 80.0
1.574e+004



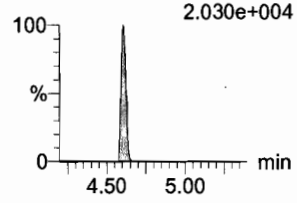
F25:MRM of 2 channels,ES-
449 > 98.7
7.003e+003



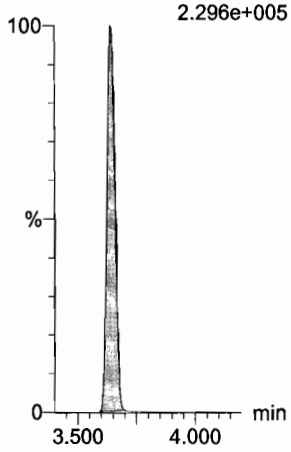
PFNA
F26:MRM of 2 channels,ES-
463.0 > 418.8
7.520e+004



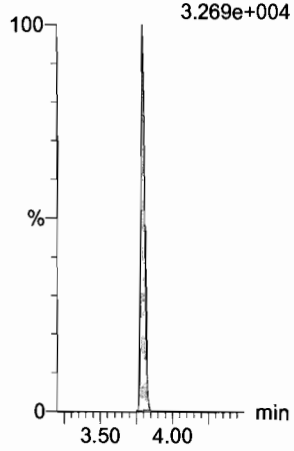
F26:MRM of 2 channels,ES-
463.0 > 219.0
2.030e+004



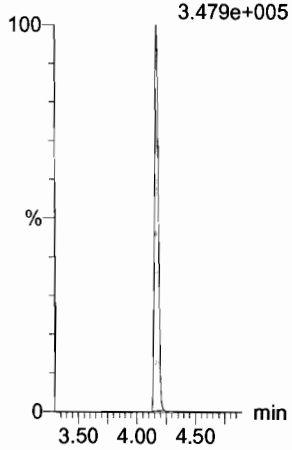
13C4-PFHpA
F16:MRM of 1 channel,ES-
367.2 > 321.8
2.296e+005



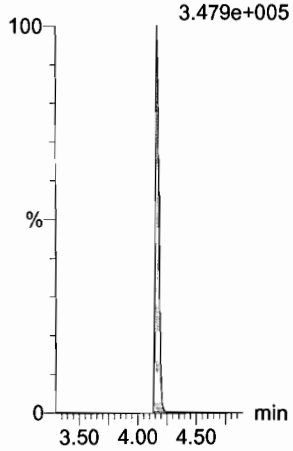
18O2-PFHxS
F19:MRM of 1 channel,ES-
403.0 > 102.6
3.269e+004



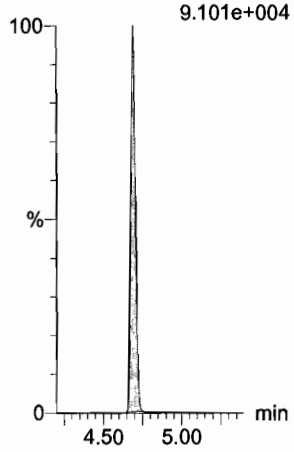
13C2-PFOA
F21:MRM of 1 channel,ES-
414.9 > 369.7
3.479e+005



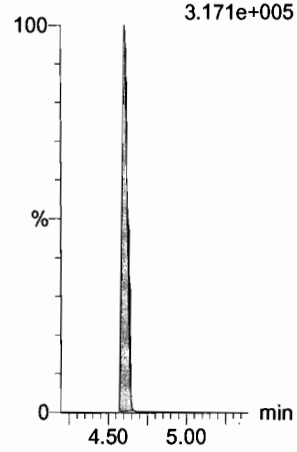
13C2-PFOA
F21:MRM of 1 channel,ES-
414.9 > 369.7
3.479e+005



13C8-PFOS
F34:MRM of 1 channel,ES-
507.0 > 79.9
9.101e+004



13C5-PFNA
F27:MRM of 1 channel,ES-
468.2 > 422.9
3.171e+005



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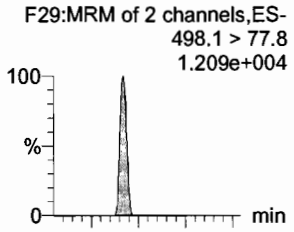
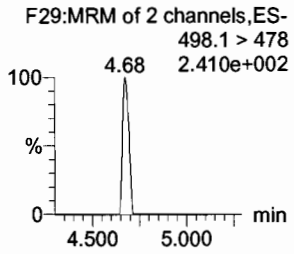
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

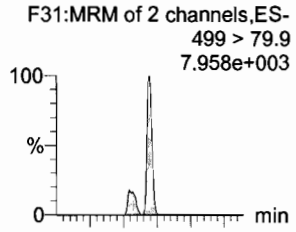
Name: 180130M2_5, Date: 30-Jan-2018, Time: 12:19:06, ID: ST180130M2-4 PFC CS1 18A1907, Description: PFC CS1 18A1907

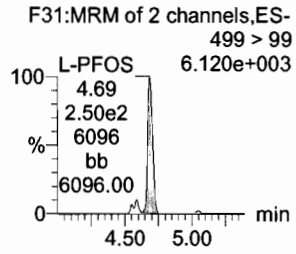
PFOSA



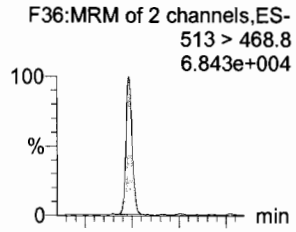


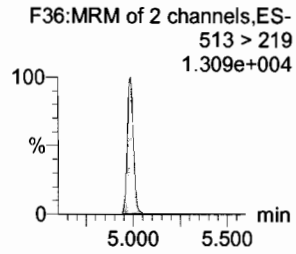
L-PFOS



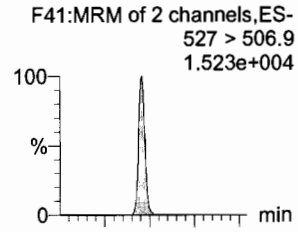


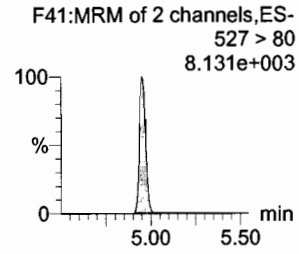
PFDA



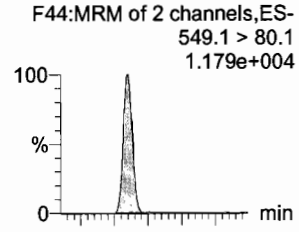


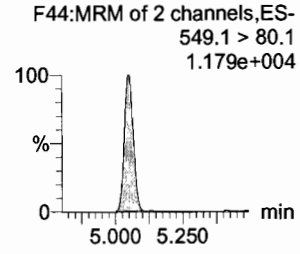
8:2 FTS



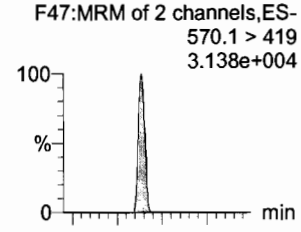


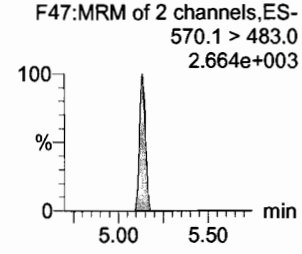
PFNS



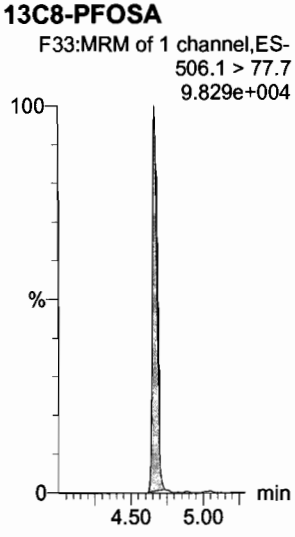


N-MeFOSAA

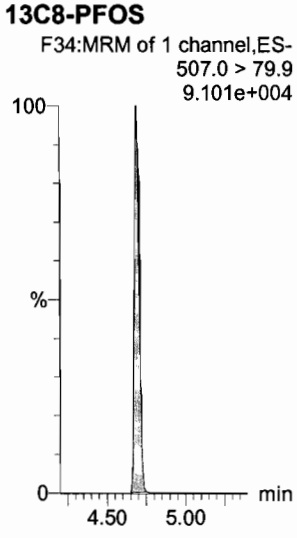




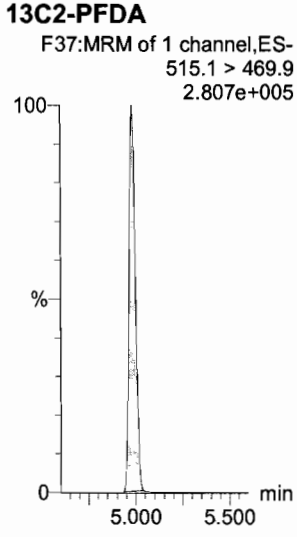
13C8-PFOSA



13C8-PFOS



13C2-PFDA



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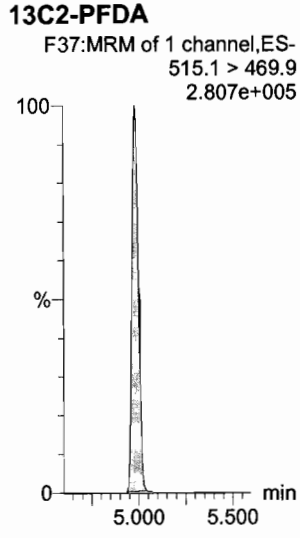

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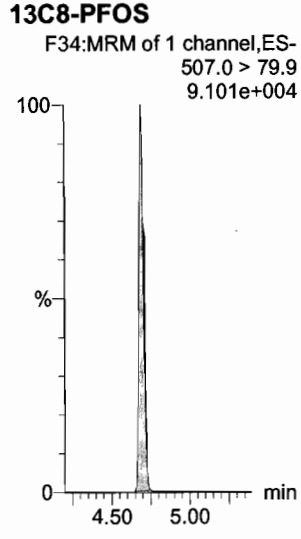
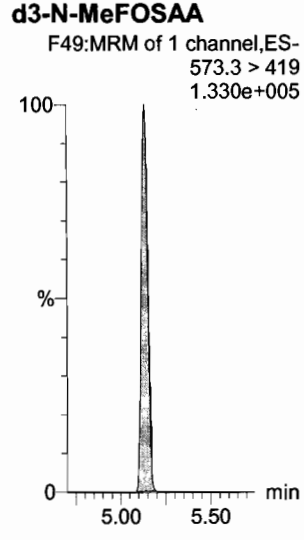


d3-N-MeFOSAA

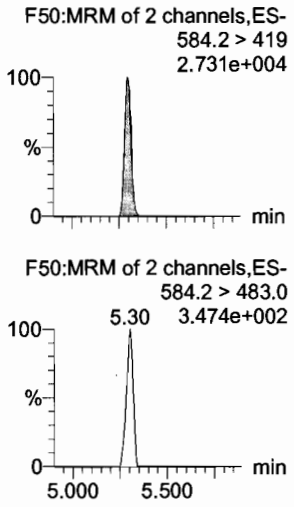


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

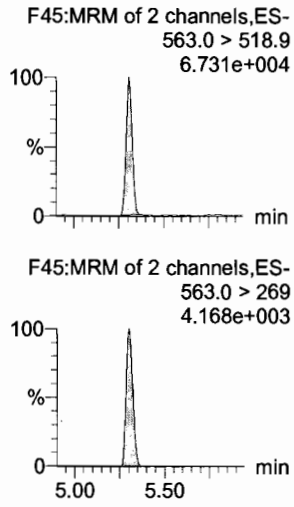
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_5, Date: 30-Jan-2018, Time: 12:19:06, ID: ST180130M2-4 PFC CS1 18A1907, Description: PFC CS1 18A1907

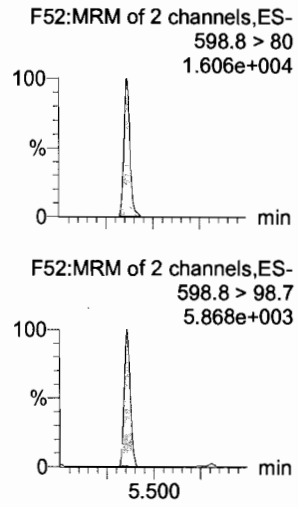
N-EtFOSAA



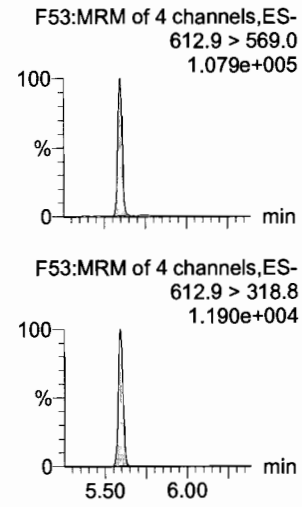
PFUdA



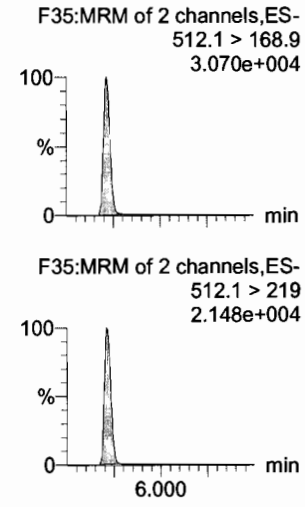
PFDS



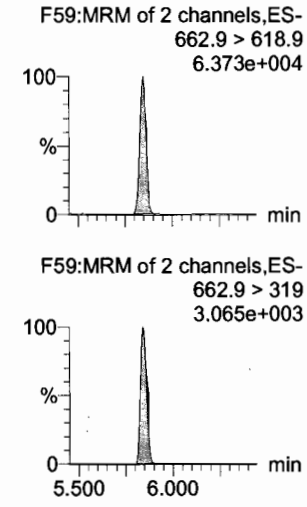
PFDoA



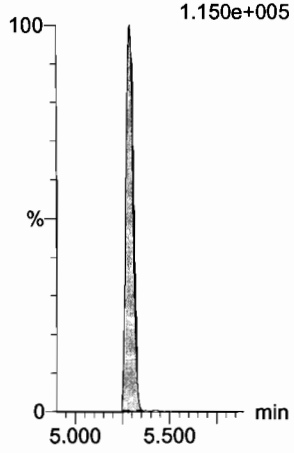
N-MeFOSA



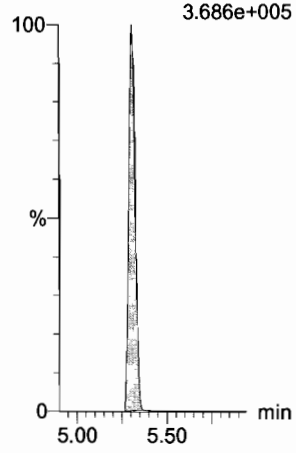
PFTrDA



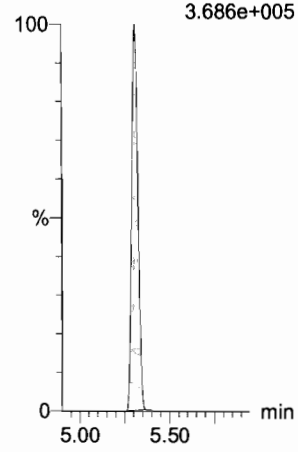
d5-N-EtFOSAA



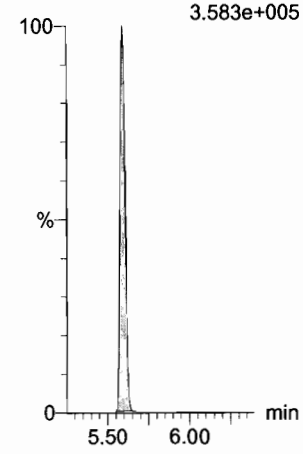
13C2-PFUdA



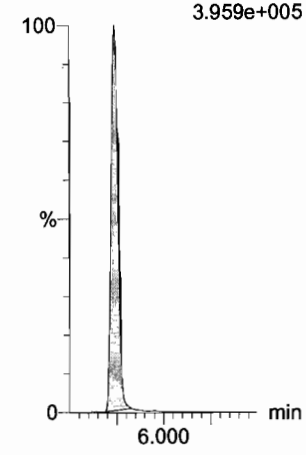
13C2-PFUdA



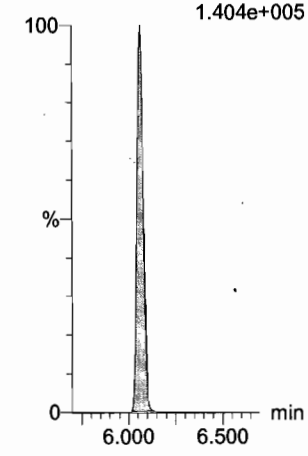
13C2-PFDoA



d3-N-MeFOSA



13C2-PFTeDA



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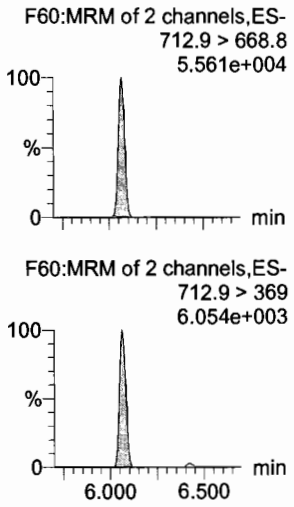
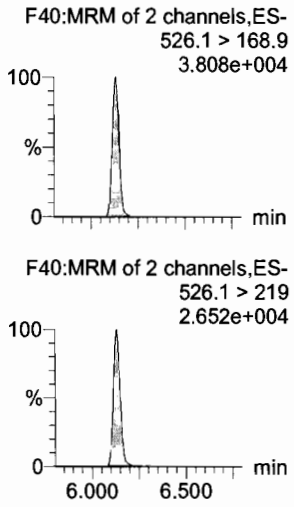
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_5, Date: 30-Jan-2018, Time: 12:19:06, ID: ST180130M2-4 PFC CS1 18A1907, Description: PFC CS1 18A1907

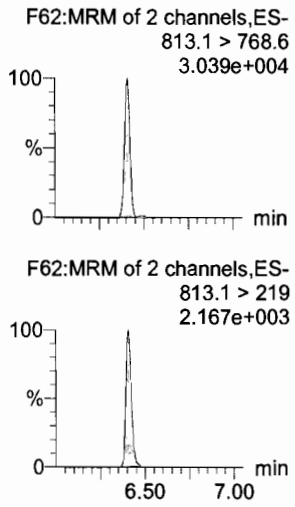
PFTeDA



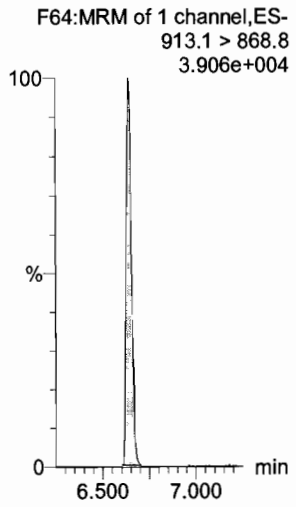
N-EtFOSA



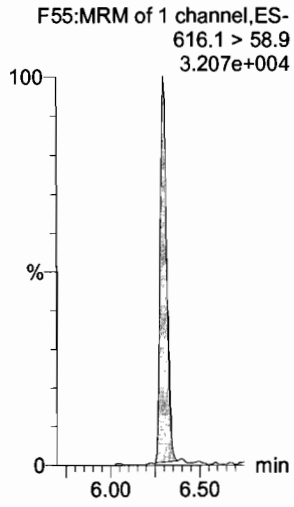
PFHxDA



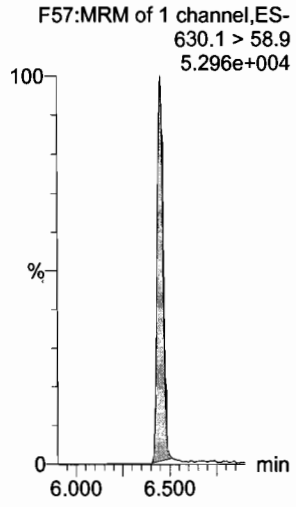
PFODA



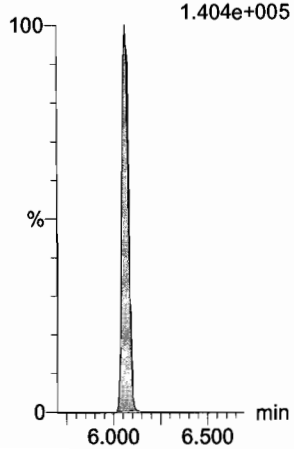
N-MeFOSE



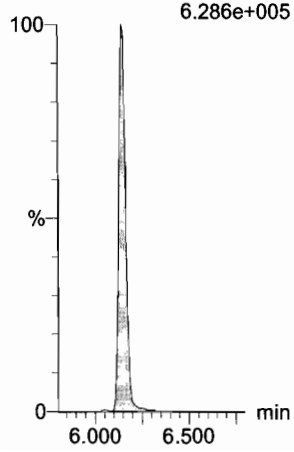
N-EtFOSE



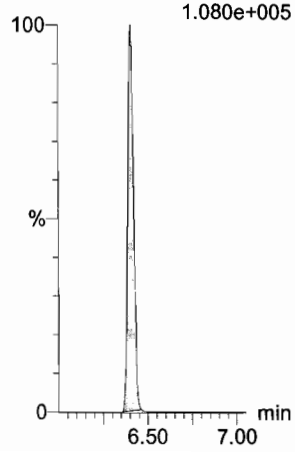
13C2-PFTeDA



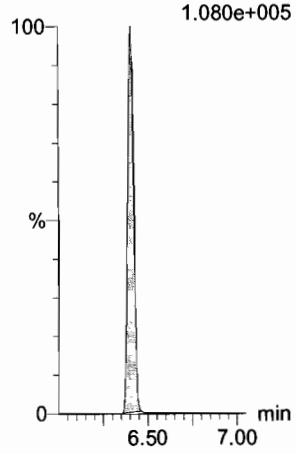
d5-N-ETFOSA



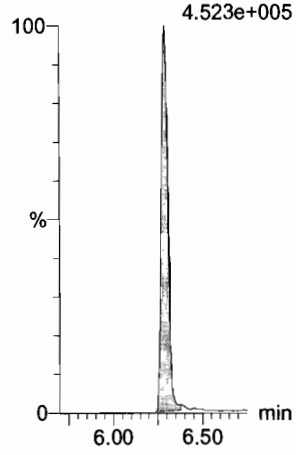
13C2-PFHxDA



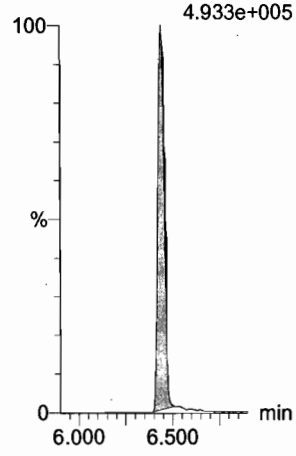
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

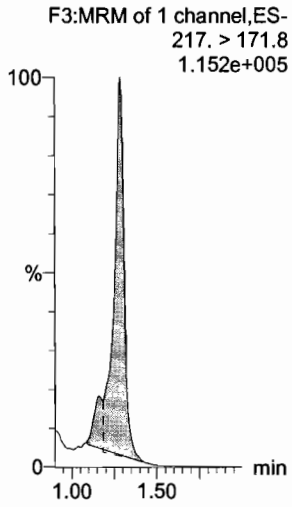


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

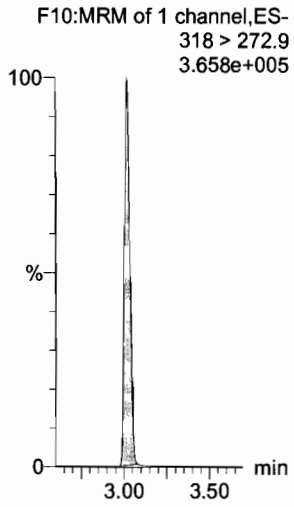
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_5, Date: 30-Jan-2018, Time: 12:19:06, ID: ST180130M2-4 PFC CS1 18A1907, Description: PFC CS1 18A1907

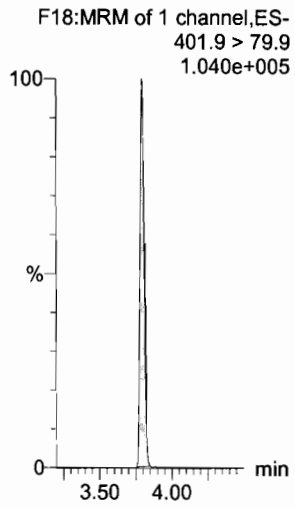
13C4-PFBA



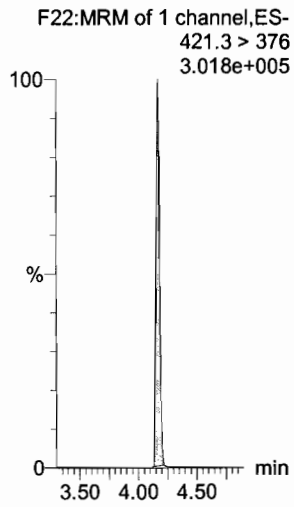
13C5-PFHxA



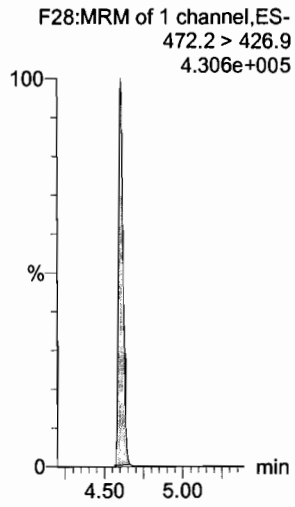
13C3-PFHxS



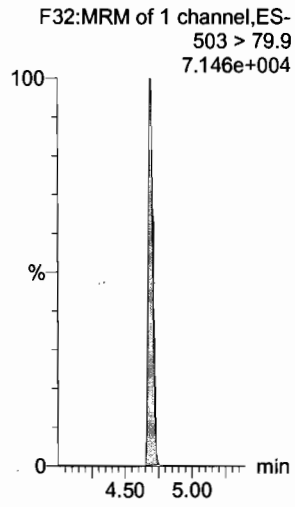
13C8-PFOA



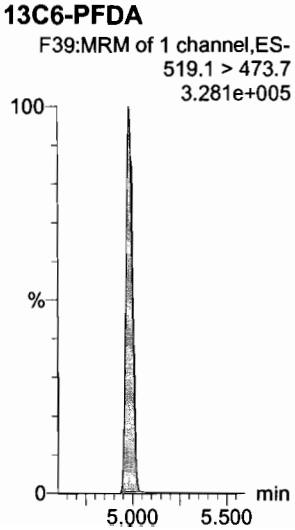
13C9-PFNA



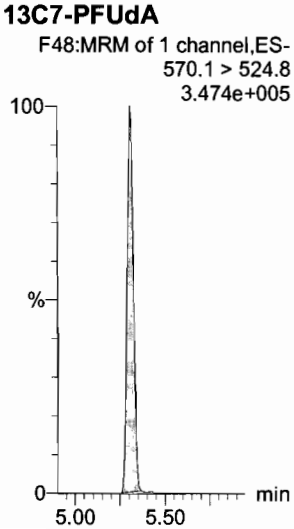
13C4-PFOS



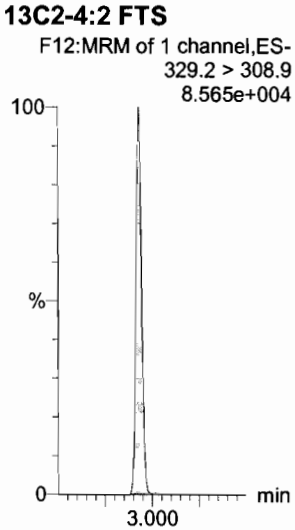
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS

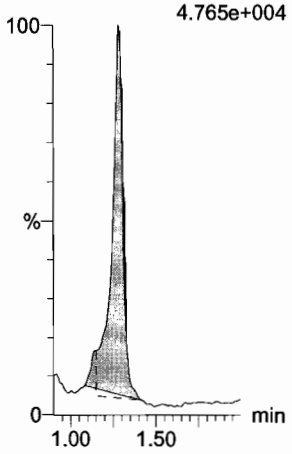


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

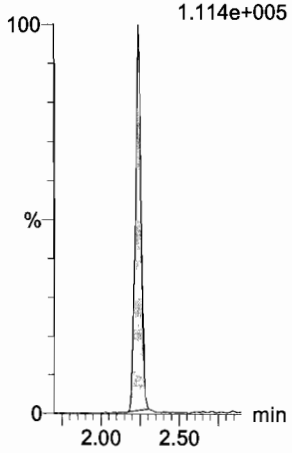
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_6, Date: 30-Jan-2018, Time: 12:30:35, ID: ST180130M2-5 PFC CS2 18A1908, Description: PFC CS2 18A1908

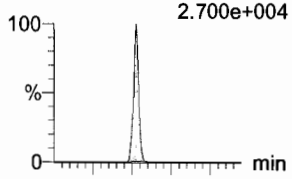
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
4.765e+004



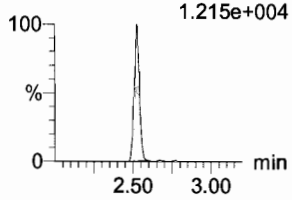
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
1.114e+005



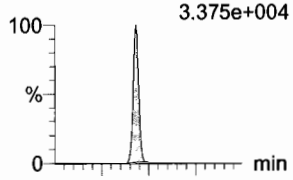
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
2.700e+004



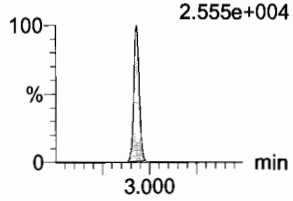
F6:MRM of 2 channels,ES-
299.0 > 99.0
1.215e+004



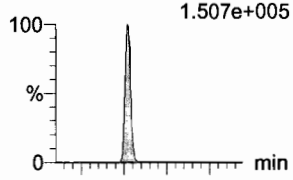
4:2 FTS
F11:MRM of 2 channels,ES-
327.2 > 307.2
3.375e+004



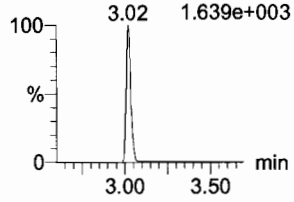
F11:MRM of 2 channels,ES-
327.2 > 81.1
2.555e+004



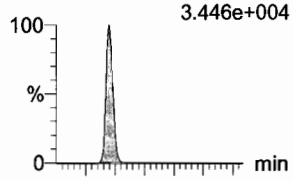
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
1.507e+005



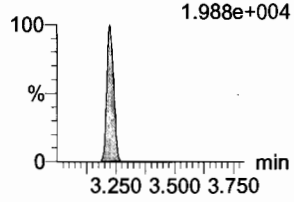
F8:MRM of 2 channels,ES-
313.2 > 119
3.02 1.639e+003



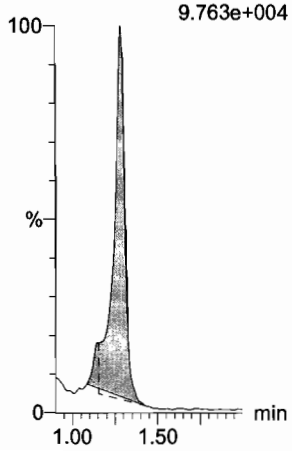
PFPeS
F14:MRM of 2 channels,ES-
349.1 > 80.1
3.446e+004



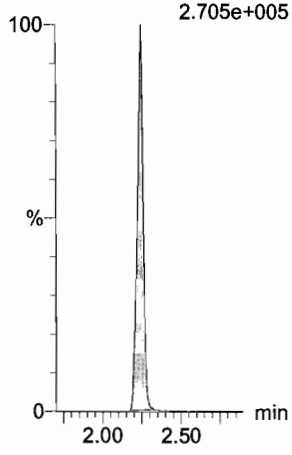
F14:MRM of 2 channels,ES-
349.1 > 99
1.988e+004



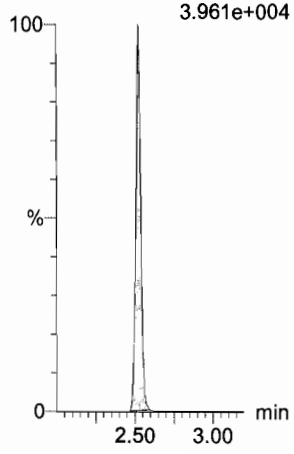
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
9.763e+004



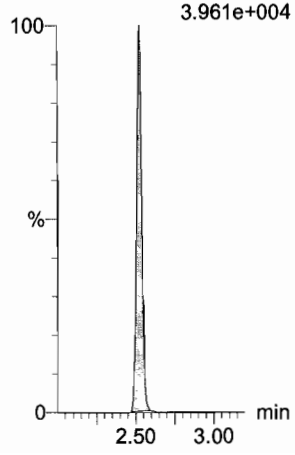
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.705e+005



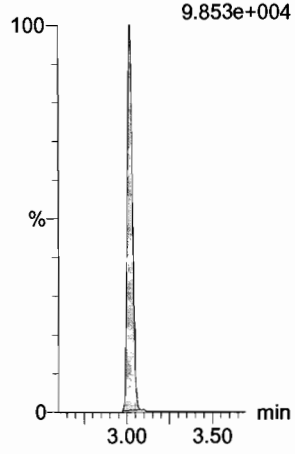
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.961e+004



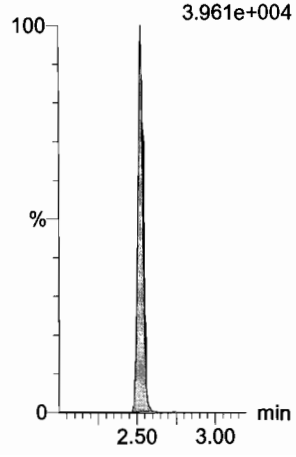
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.961e+004



13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
9.853e+004



13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.961e+004

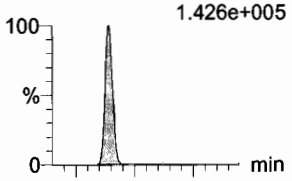


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

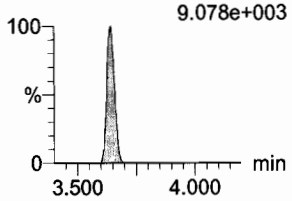
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_6, Date: 30-Jan-2018, Time: 12:30:35, ID: ST180130M2-5 PFC CS2 18A1908, Description: PFC CS2 18A1908

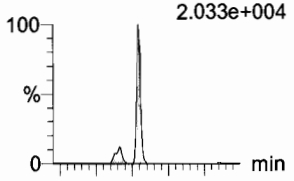
PFHpA
F15:MRM of 2 channels,ES-
363.0 > 318.9
1.426e+005



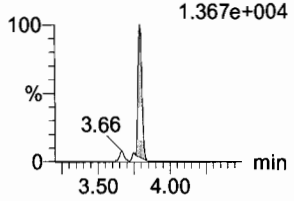
F15:MRM of 2 channels,ES-
363.0 > 169.0
9.078e+003



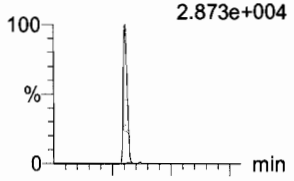
L-PFHxS
F17:MRM of 2 channels,ES-
398.9 > 79.6
2.033e+004



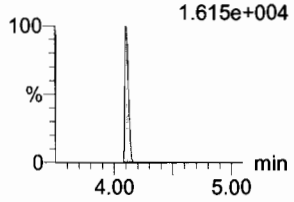
F17:MRM of 2 channels,ES-
398.9 > 99.0
1.367e+004



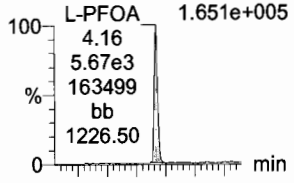
6:2 FTS
F23:MRM of 2 channels,ES-
427.1 > 407
2.873e+004



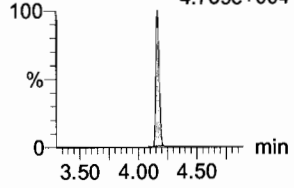
F23:MRM of 2 channels,ES-
427.1 > 80
1.615e+004



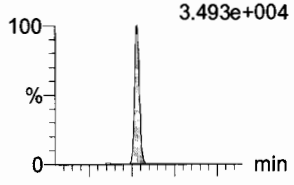
L-PFOA
F20:MRM of 2 channels,ES-
413 > 368.7
1.651e+005



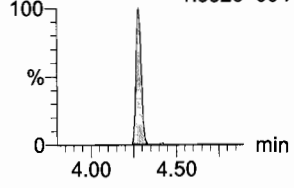
F20:MRM of 2 channels,ES-
413 > 169
4.759e+004



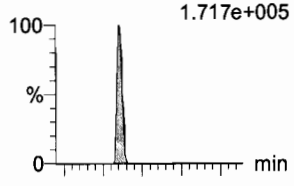
PFHpS
F25:MRM of 2 channels,ES-
449 > 80.0
3.493e+004



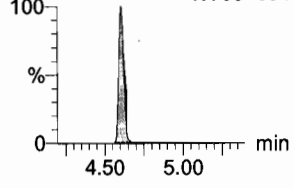
F25:MRM of 2 channels,ES-
449 > 98.7
1.552e+004



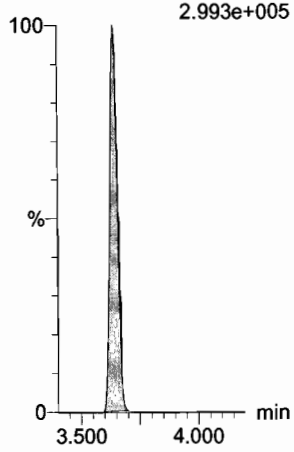
PFNA
F26:MRM of 2 channels,ES-
463.0 > 418.8
1.717e+005



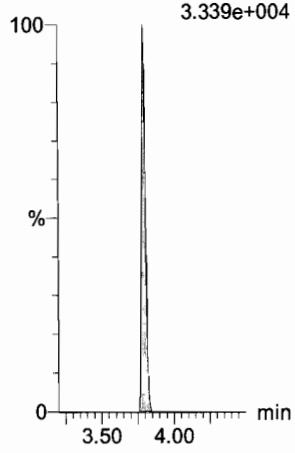
F26:MRM of 2 channels,ES-
463.0 > 219.0
4.078e+004



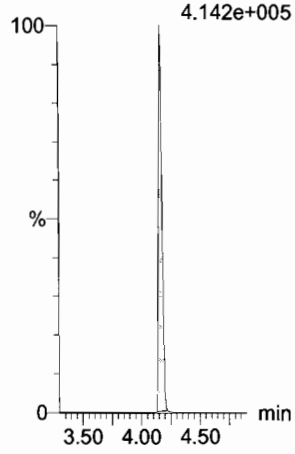
13C4-PFHpA
F16:MRM of 1 channel,ES-
367.2 > 321.8
2.993e+005



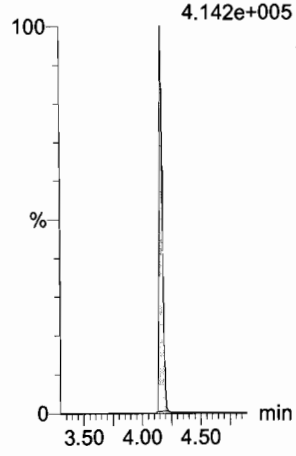
18O2-PFHxS
F19:MRM of 1 channel,ES-
403.0 > 102.6
3.339e+004



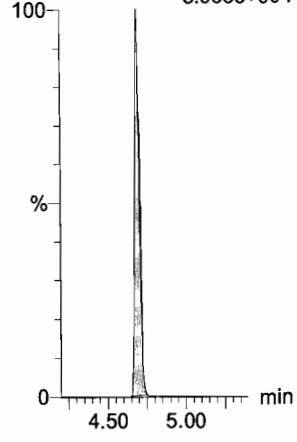
13C2-PFOA
F21:MRM of 1 channel,ES-
414.9 > 369.7
4.142e+005



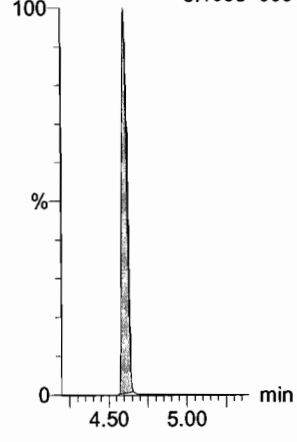
13C2-PFOA
F21:MRM of 1 channel,ES-
414.9 > 369.7
4.142e+005



13C8-PFOS
F34:MRM of 1 channel,ES-
507.0 > 79.9
8.955e+004



13C5-PFNA
F27:MRM of 1 channel,ES-
468.2 > 422.9
3.109e+005

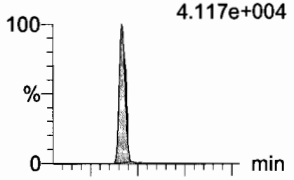


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

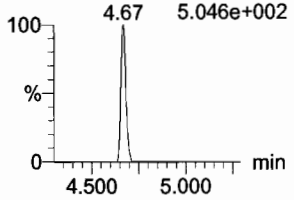
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_6, Date: 30-Jan-2018, Time: 12:30:35, ID: ST180130M2-5 PFC CS2 18A1908, Description: PFC CS2 18A1908

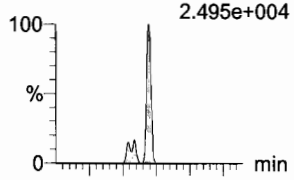
PFOSA
F29:MRM of 2 channels,ES-
498.1 > 77.8
4.117e+004



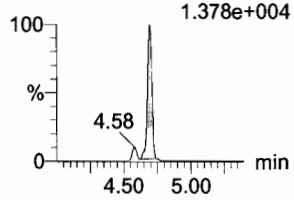
F29:MRM of 2 channels,ES-
498.1 > 478
4.67 5.046e+002



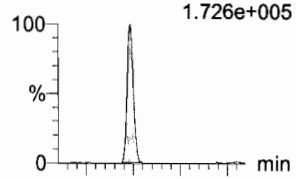
L-PFOS
F31:MRM of 2 channels,ES-
499 > 79.9
2.495e+004



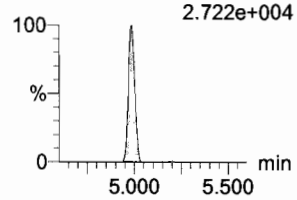
F31:MRM of 2 channels,ES-
499 > 99
1.378e+004



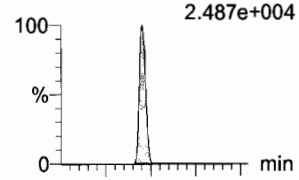
PFDA
F36:MRM of 2 channels,ES-
513 > 468.8
1.726e+005



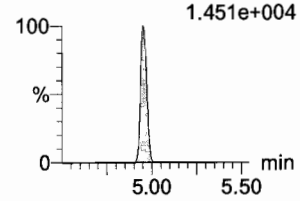
F36:MRM of 2 channels,ES-
513 > 219
2.722e+004



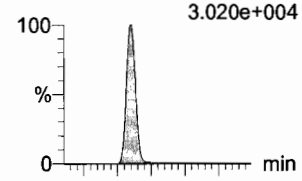
8:2 FTS
F41:MRM of 2 channels,ES-
527 > 506.9
2.487e+004



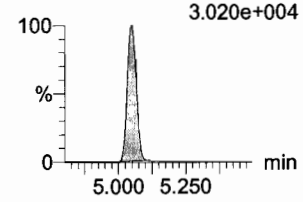
F41:MRM of 2 channels,ES-
527 > 80
1.451e+004



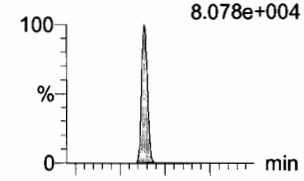
PFNS
F44:MRM of 2 channels,ES-
549.1 > 80.1
3.020e+004



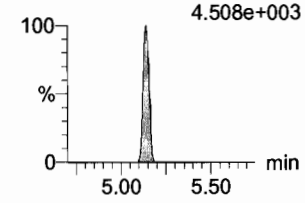
F44:MRM of 2 channels,ES-
549.1 > 80.1
3.020e+004



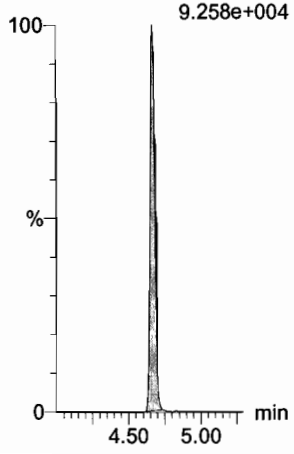
N-MeFOSAA
F47:MRM of 2 channels,ES-
570.1 > 419
8.078e+004



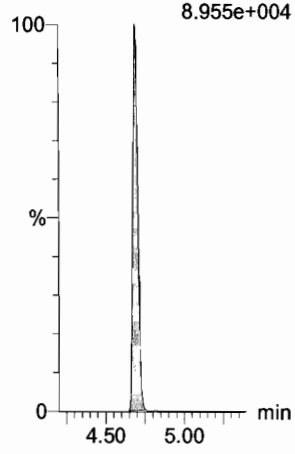
F47:MRM of 2 channels,ES-
570.1 > 483.0
4.508e+003



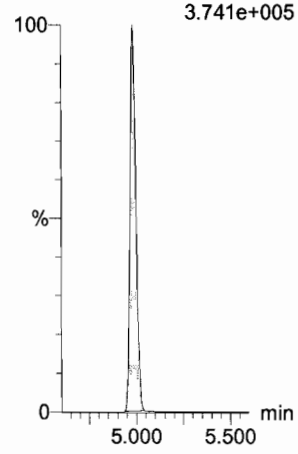
13C8-PFOSA
F33:MRM of 1 channel,ES-
506.1 > 77.7
9.258e+004



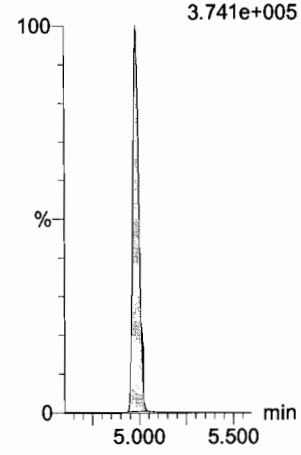
13C8-PFOS
F34:MRM of 1 channel,ES-
507.0 > 79.9
8.955e+004



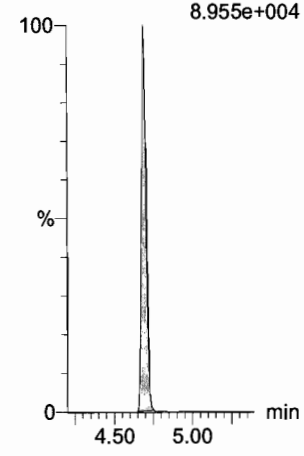
13C2-PFDA
F37:MRM of 1 channel,ES-
515.1 > 469.9
3.741e+005



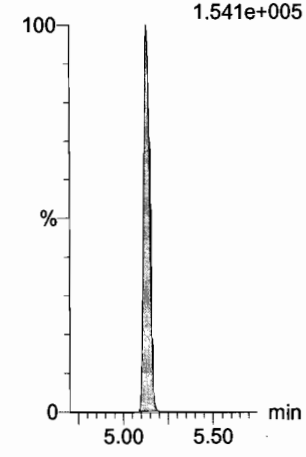
13C2-PFDA
F37:MRM of 1 channel,ES-
515.1 > 469.9
3.741e+005



13C8-PFOS
F34:MRM of 1 channel,ES-
507.0 > 79.9
8.955e+004



d3-N-MeFOSAA
F49:MRM of 1 channel,ES-
573.3 > 419
1.541e+005

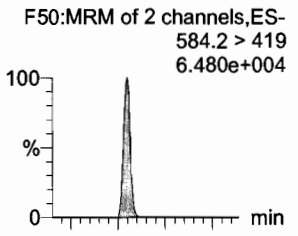


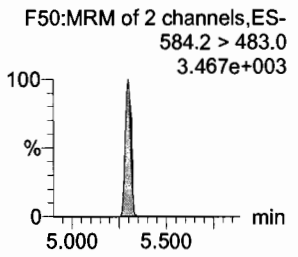
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

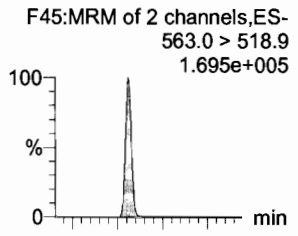
Name: 180130M2_6, Date: 30-Jan-2018, Time: 12:30:35, ID: ST180130M2-5 PFC CS2 18A1908, Description: PFC CS2 18A1908

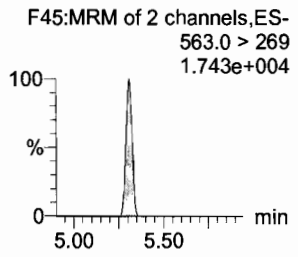
N-EtFOSAA



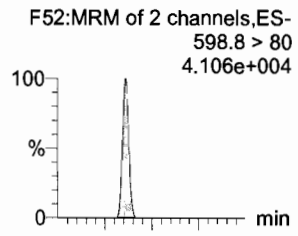


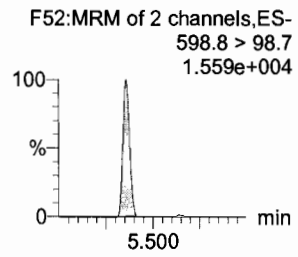
PFUdA



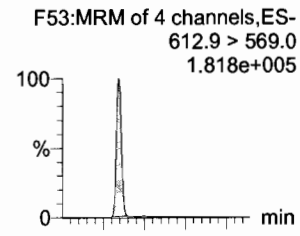


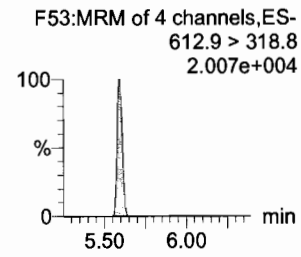
PFDS



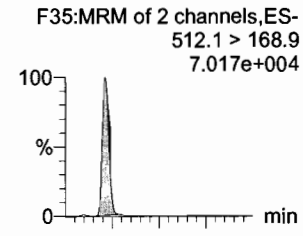


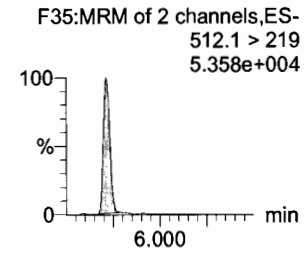
PFDoA



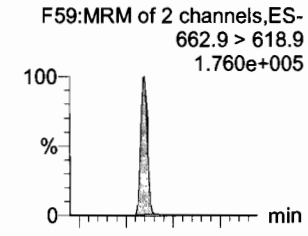


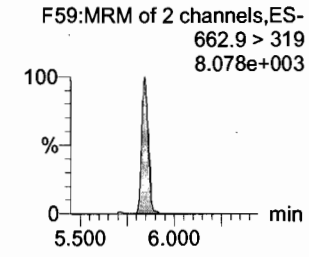
N-MeFOSA



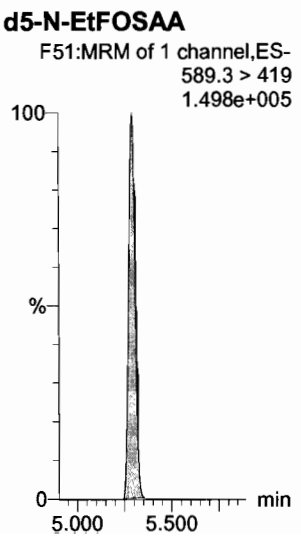


PFTrDA

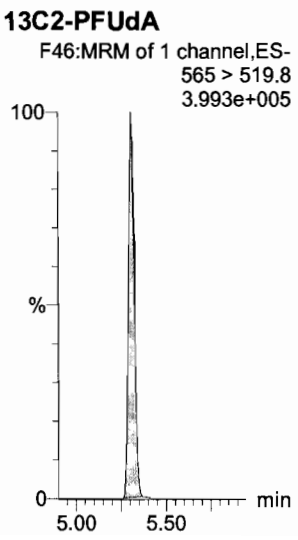




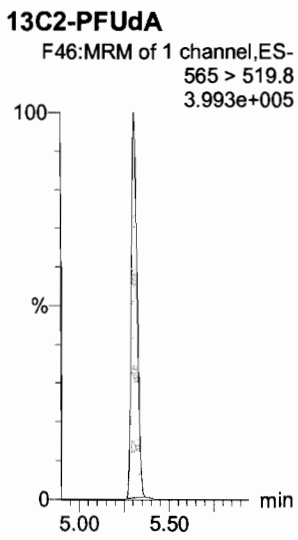
d5-N-EtFOSAA



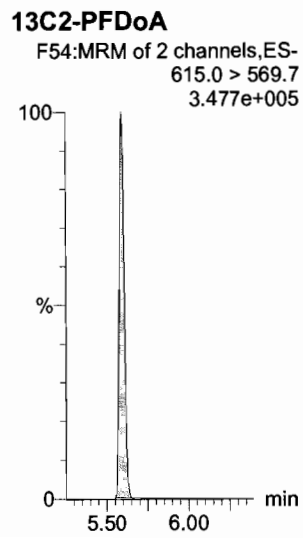
13C2-PFUdA



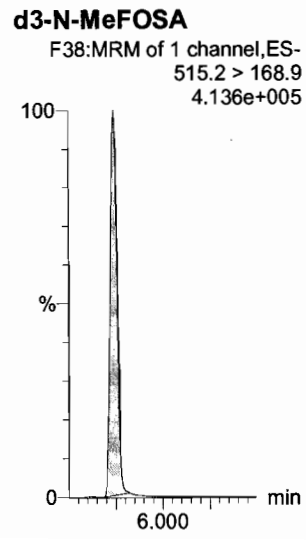
13C2-PFUdA



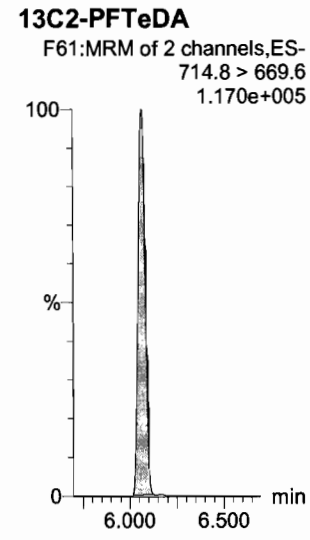
13C2-PFDoA



d3-N-MeFOSA



13C2-PFTeDA

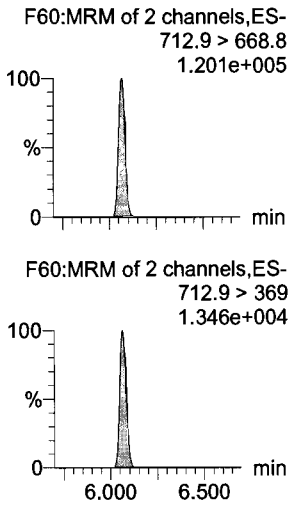


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

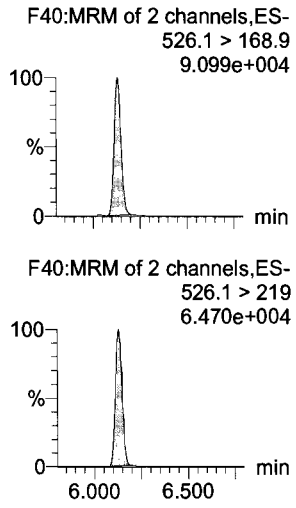
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_6, Date: 30-Jan-2018, Time: 12:30:35, ID: ST180130M2-5 PFC CS2 18A1908, Description: PFC CS2 18A1908

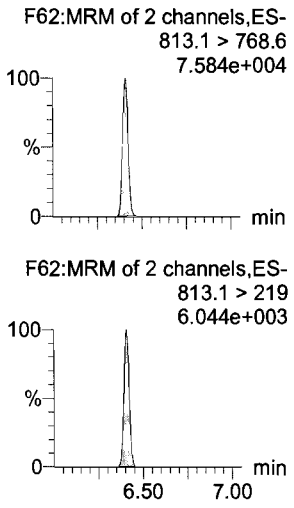
PFTeDA



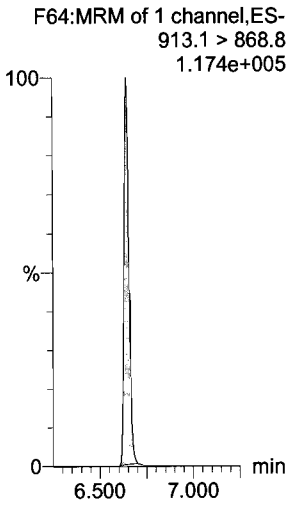
N-EtFOSA



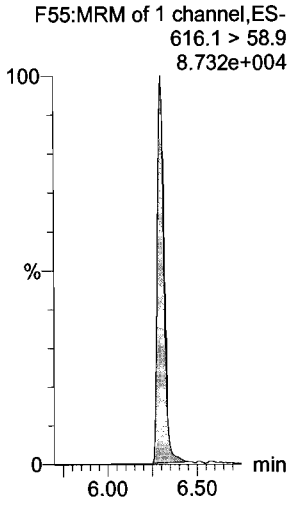
PFHxDA



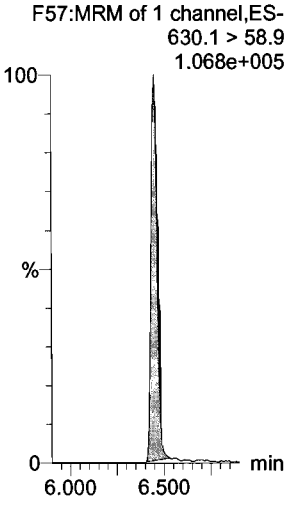
PFODA



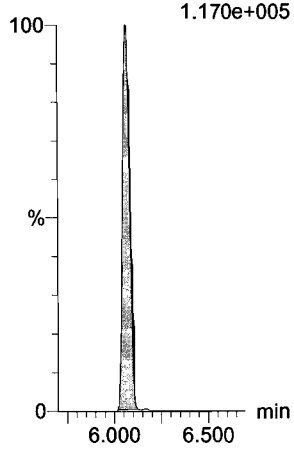
N-MeFOSE



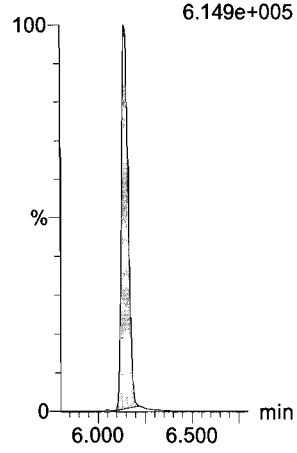
N-EtFOSE



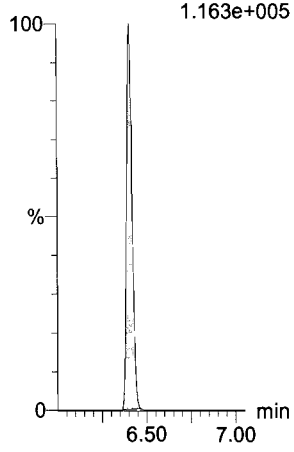
13C2-PFTeDA



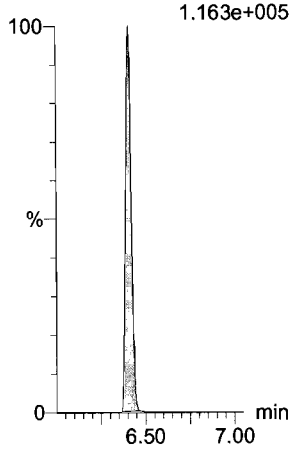
d5-N-ETFOSA



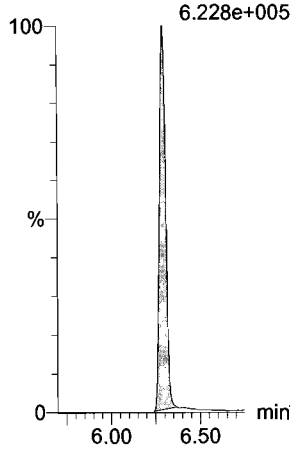
13C2-PFHxDA



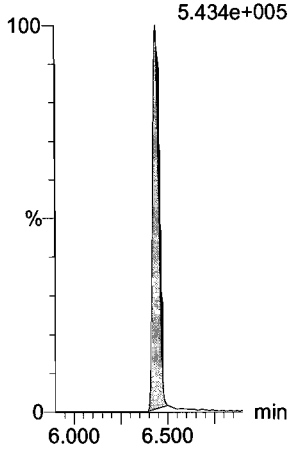
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

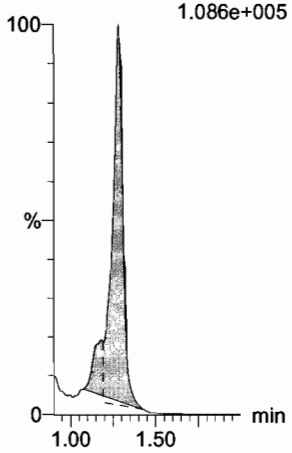


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

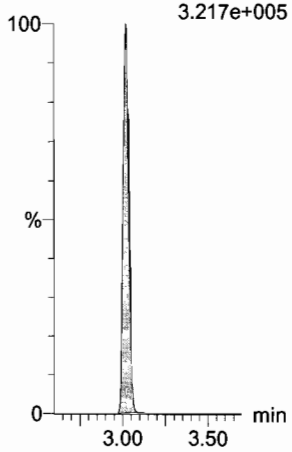
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_6, Date: 30-Jan-2018, Time: 12:30:35, ID: ST180130M2-5 PFC CS2 18A1908, Description: PFC CS2 18A1908

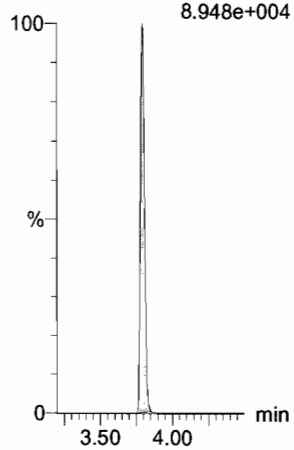
13C4-PFBA



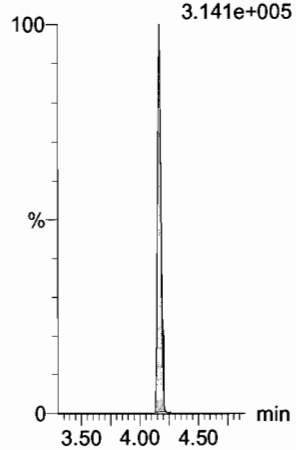
13C5-PFHxA



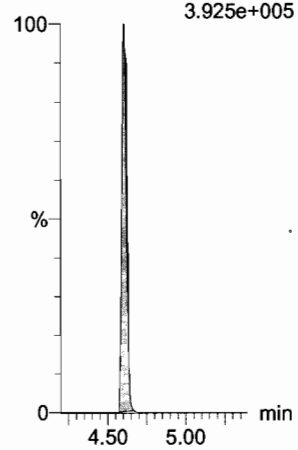
13C3-PFHxS



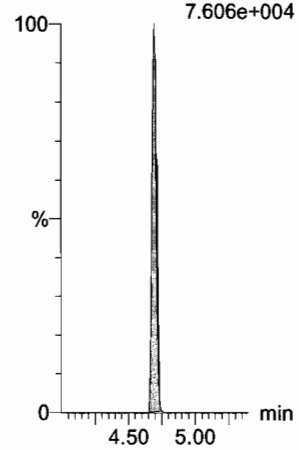
13C8-PFOA



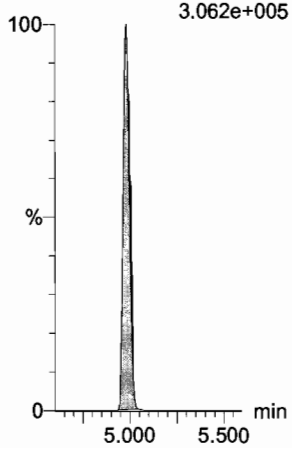
13C9-PFNA



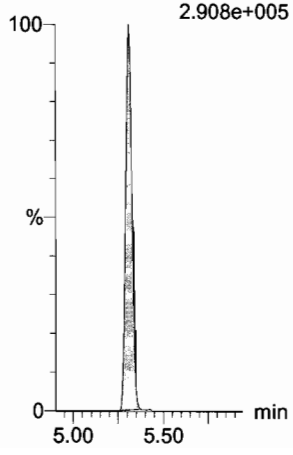
13C4-PFOS



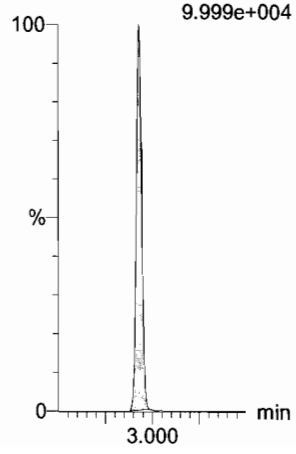
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS

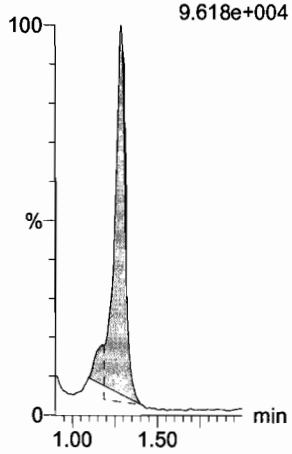


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

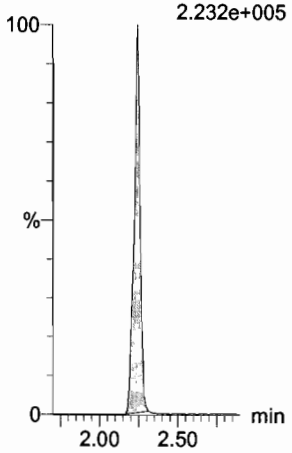
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_7, Date: 30-Jan-2018, Time: 12:42:05, ID: ST180130M2-6 PFC CS3 18A1909, Description: PFC CS3 18A1909

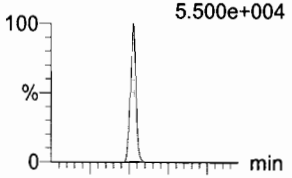
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
9.618e+004



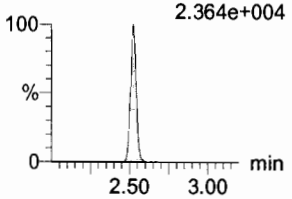
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
2.232e+005



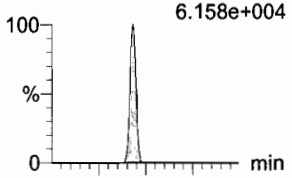
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
5.500e+004



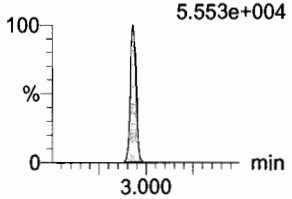
F6:MRM of 2 channels,ES-
299.0 > 99.0
2.364e+004



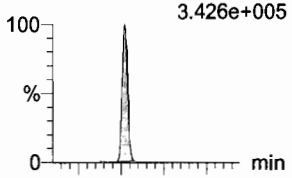
4:2 FTS
F11:MRM of 2 channels,ES-
327.2 > 307.2
6.158e+004



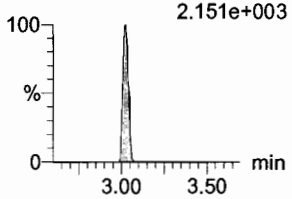
F11:MRM of 2 channels,ES-
327.2 > 81.1
5.553e+004



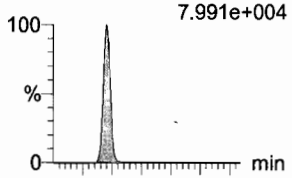
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
3.426e+005



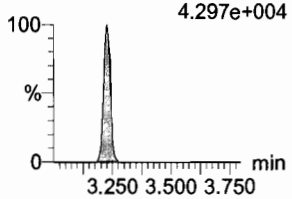
F8:MRM of 2 channels,ES-
313.2 > 119
2.151e+003



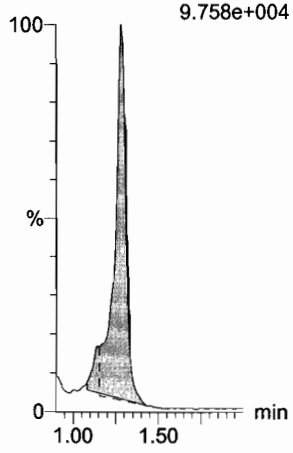
PFPeS
F14:MRM of 2 channels,ES-
349.1 > 80.1
7.991e+004



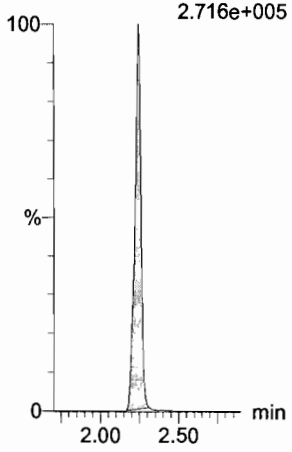
F14:MRM of 2 channels,ES-
349.1 > 99
4.297e+004



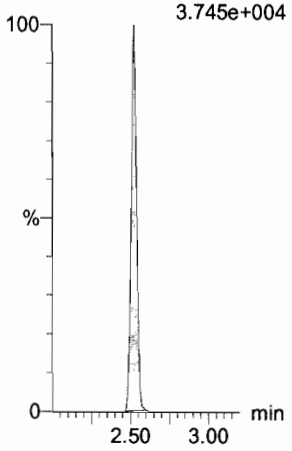
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
9.758e+004



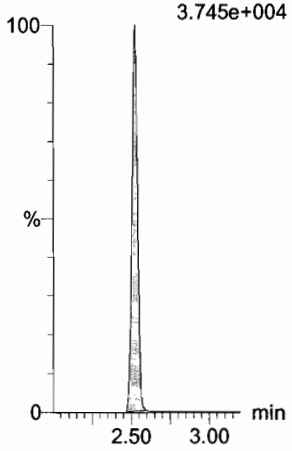
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.716e+005



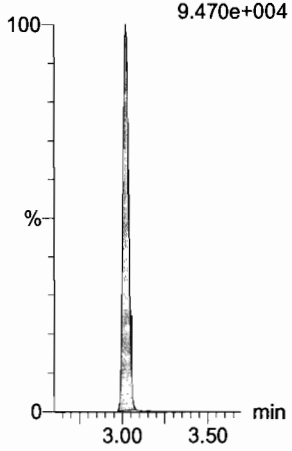
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.745e+004



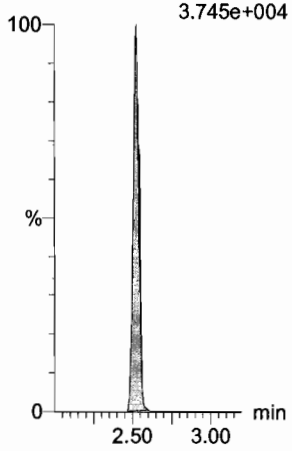
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.745e+004



13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
9.470e+004



13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.745e+004

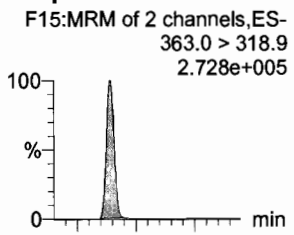


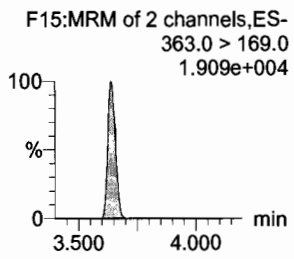
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

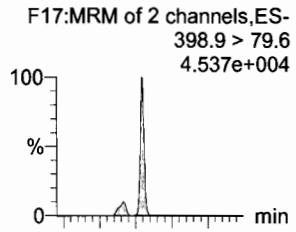
Name: 180130M2_7, Date: 30-Jan-2018, Time: 12:42:05, ID: ST180130M2-6 PFC CS3 18A1909, Description: PFC CS3 18A1909

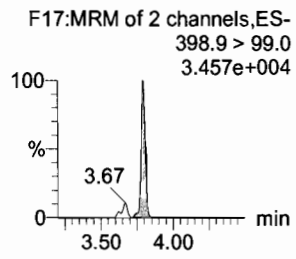
PFHpA



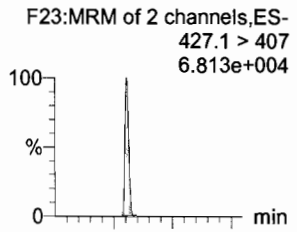


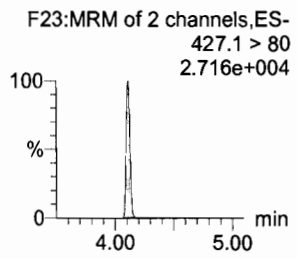
L-PFHxS



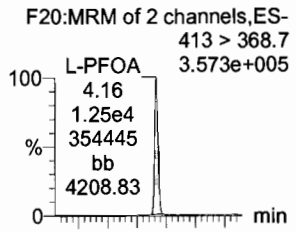


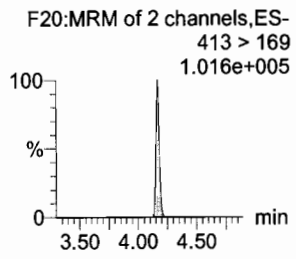
6:2 FTS



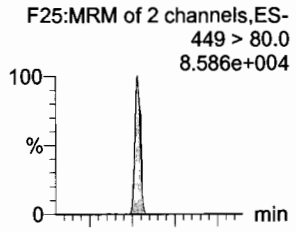


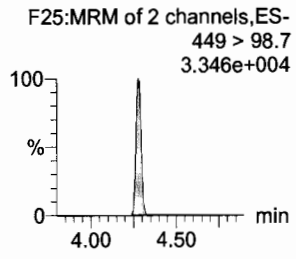
L-PFOA



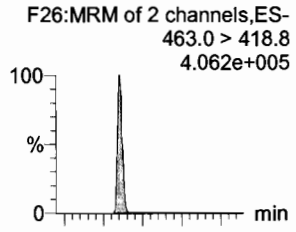


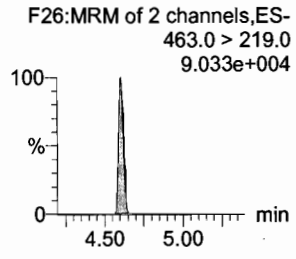
PFHpS



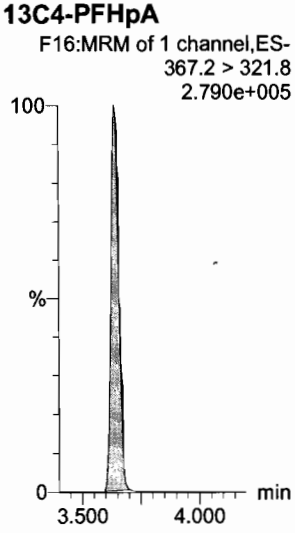


PFNA

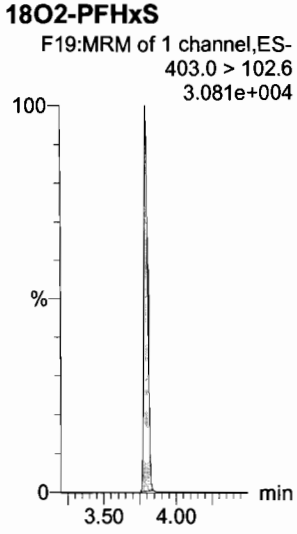




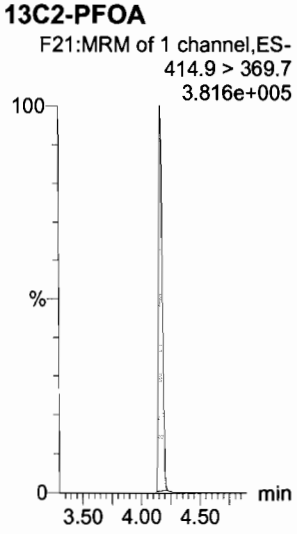
13C4-PFHpA



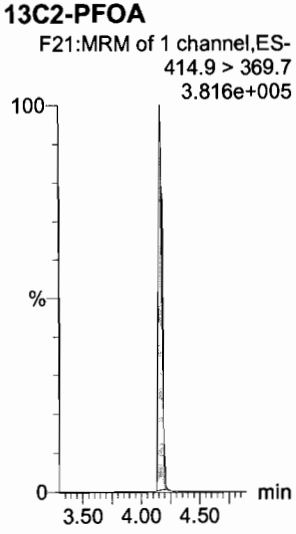
18O2-PFHxS



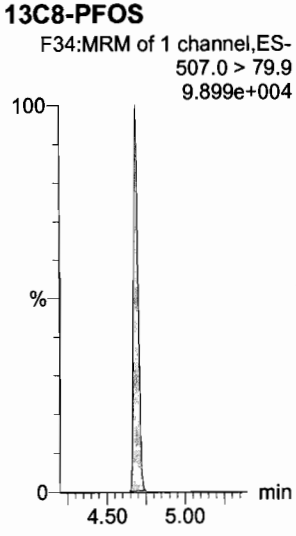
13C2-PFOA



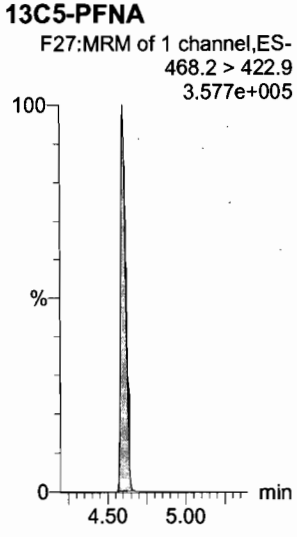
13C2-PFOA



13C8-PFOS



13C5-PFNA

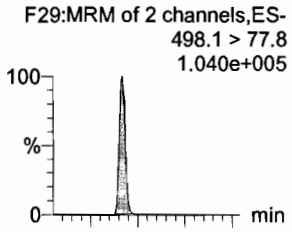


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

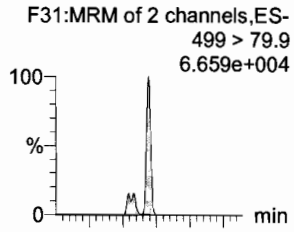
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_7, Date: 30-Jan-2018, Time: 12:42:05, ID: ST180130M2-6 PFC CS3 18A1909, Description: PFC CS3 18A1909

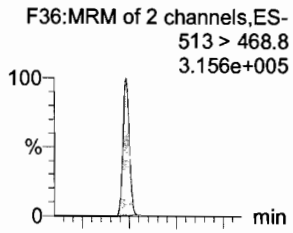
PFOSA



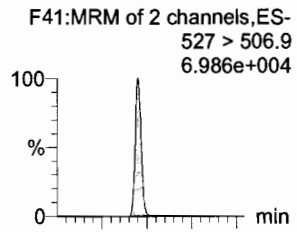
L-PFOS



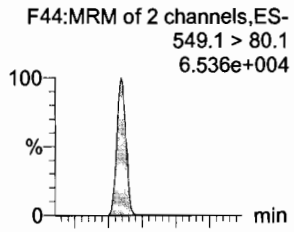
PFDA



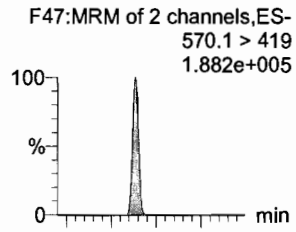
8:2 FTS

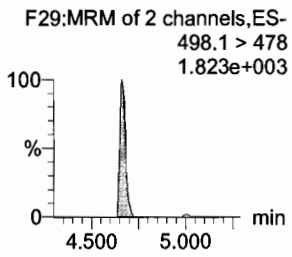


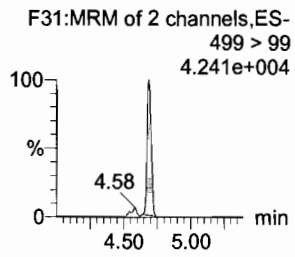
PFNS

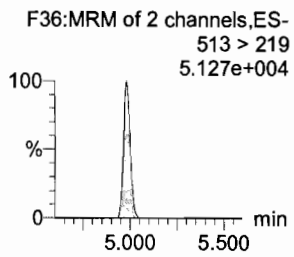


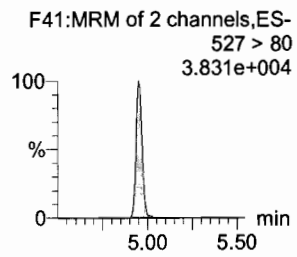
N-MeFOSAA

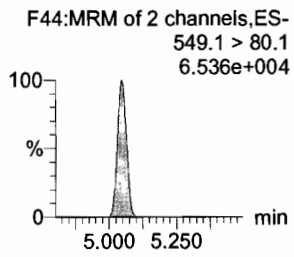


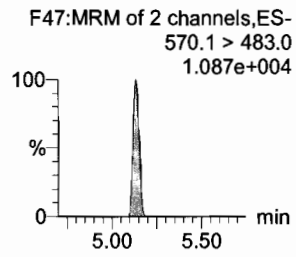




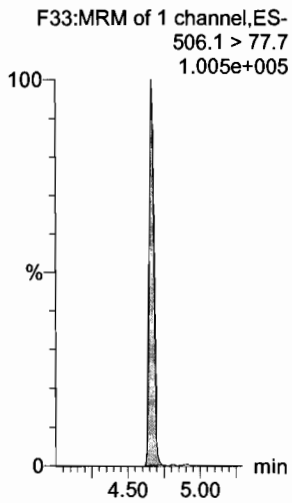




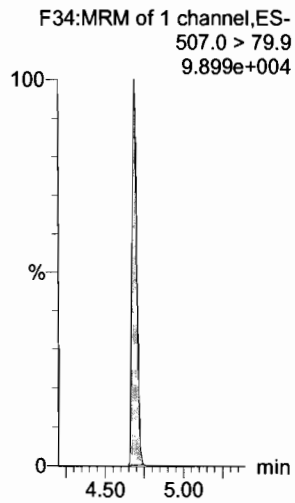




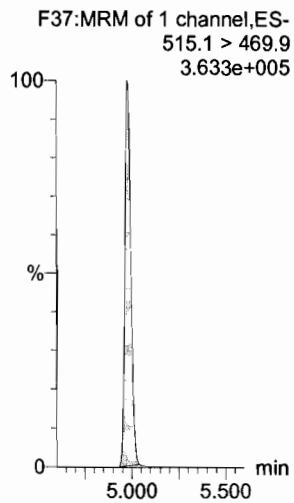
13C8-PFOSA



13C8-PFOS



13C2-PFDA



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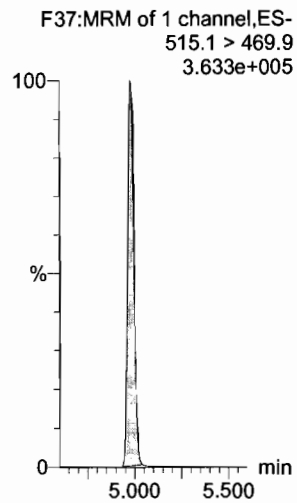

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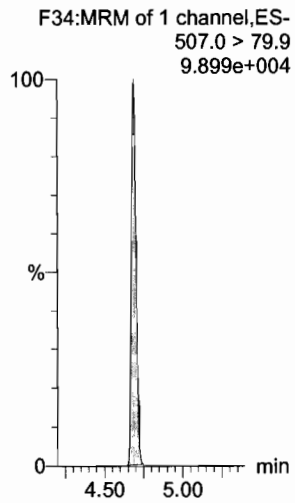
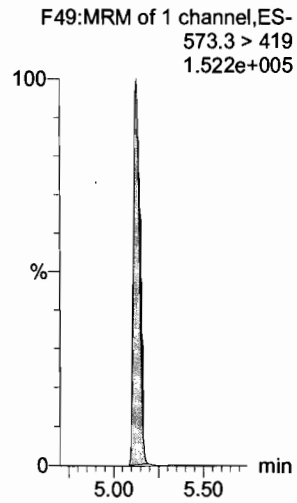


d3-N-MeFOSAA



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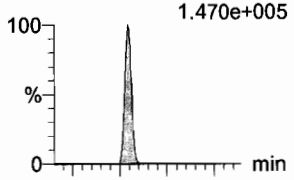
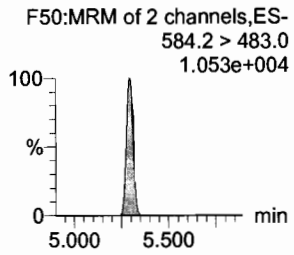
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_7, Date: 30-Jan-2018, Time: 12:42:05, ID: ST180130M2-6 PFC CS3 18A1909, Description: PFC CS3 18A1909

N-EtFOSAA





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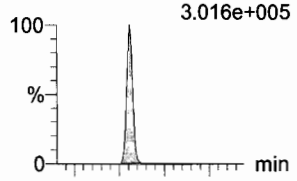

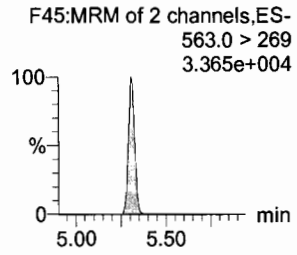

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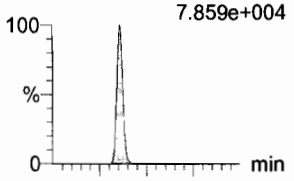
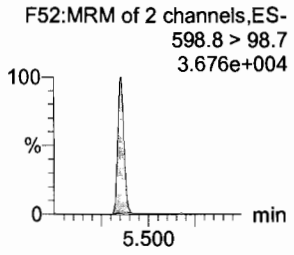
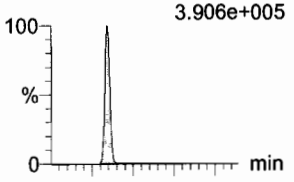
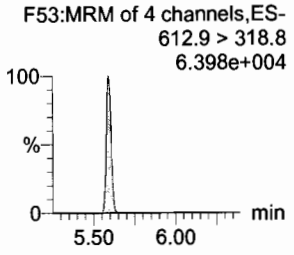




PFDoA





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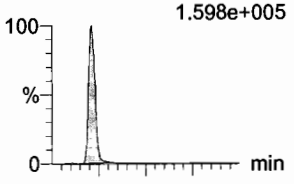

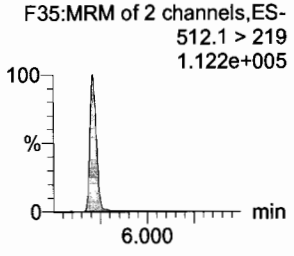

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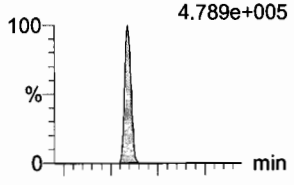
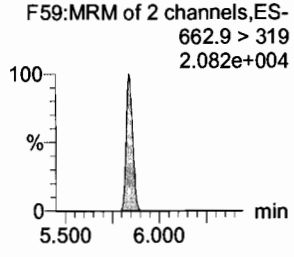
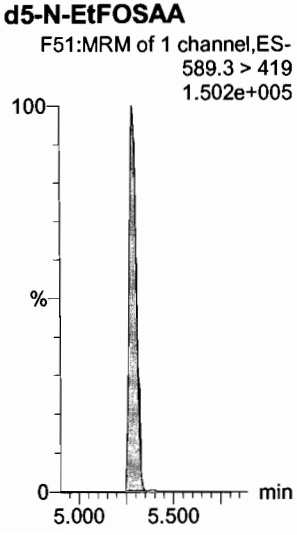
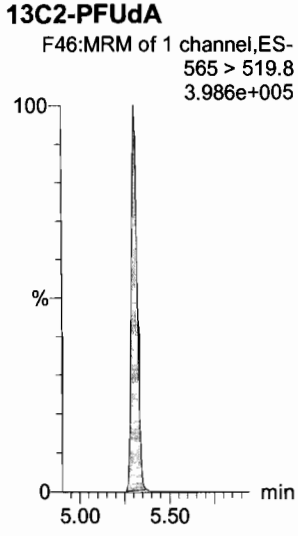




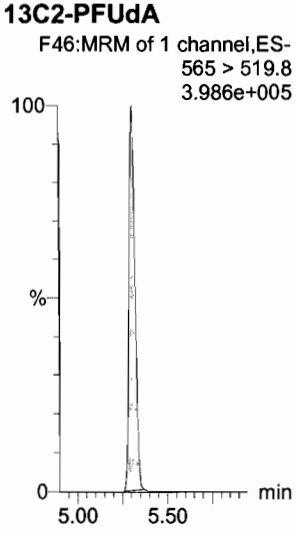
d5-N-EtFOSAA



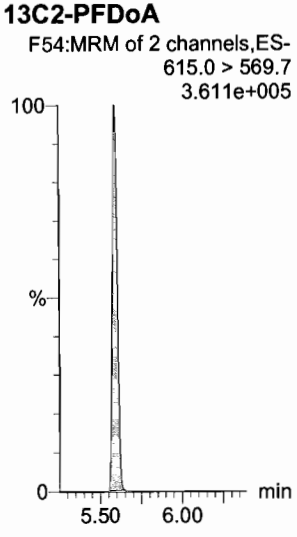
13C2-PFUdA



13C2-PFUdA



13C2-PFDoA



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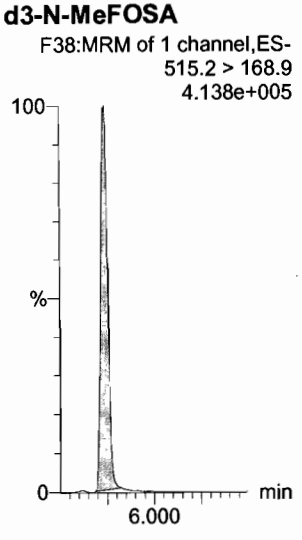

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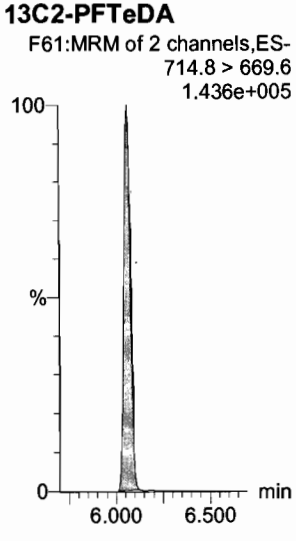

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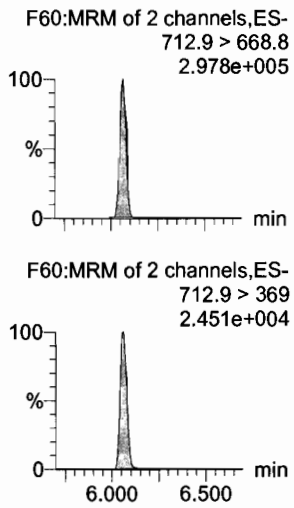
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_7, Date: 30-Jan-2018, Time: 12:42:05, ID: ST180130M2-6 PFC CS3 18A1909, Description: PFC CS3 18A1909

PFTeDA



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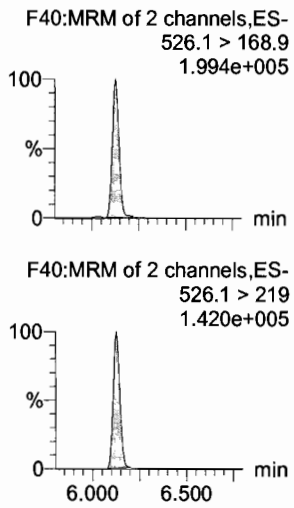
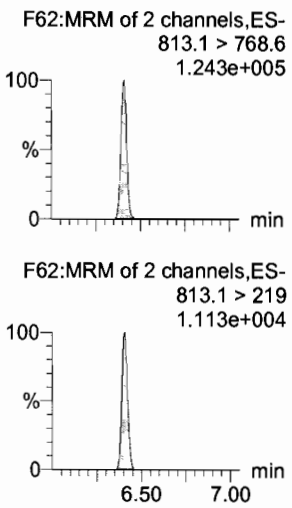
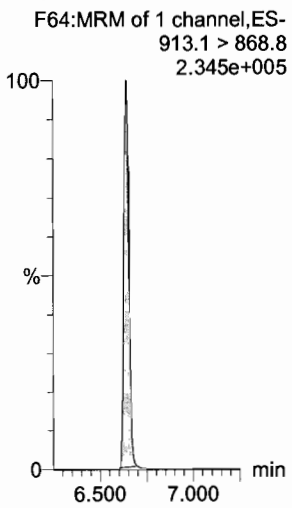


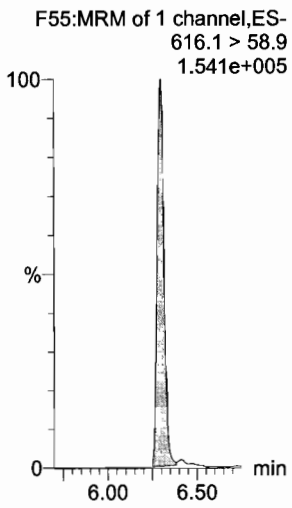
PFHxDA



PFODA



N-MeFOSE



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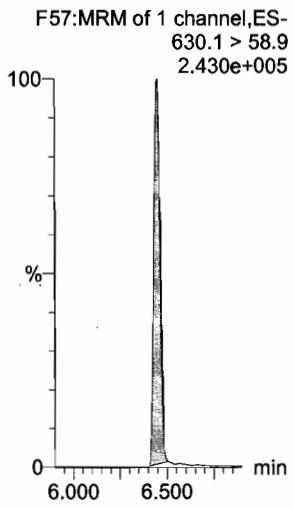
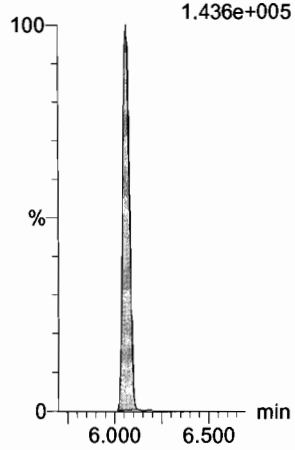
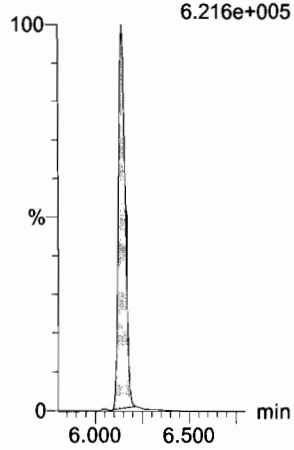


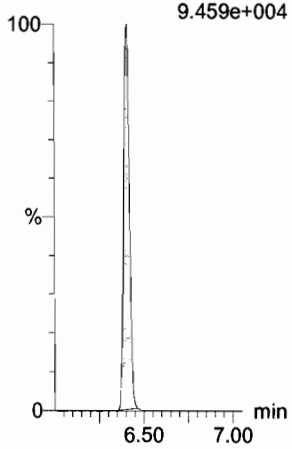
13C2-PFTeDA



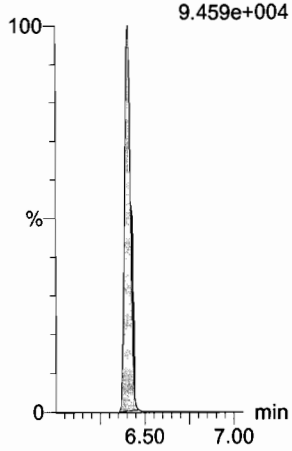
d5-N-ETFOSA



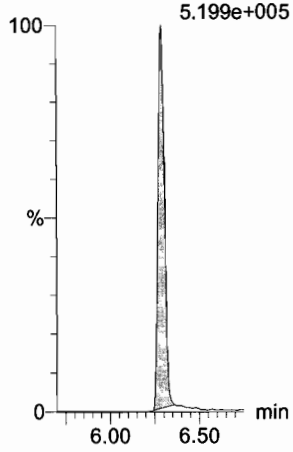
13C2-PFHxDA



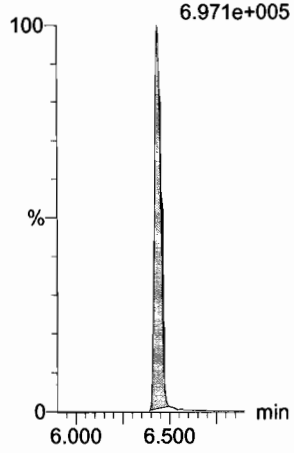
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE



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Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_7, Date: 30-Jan-2018, Time: 12:42:05, ID: ST180130M2-6 PFC CS3 18A1909, Description: PFC CS3 18A1909

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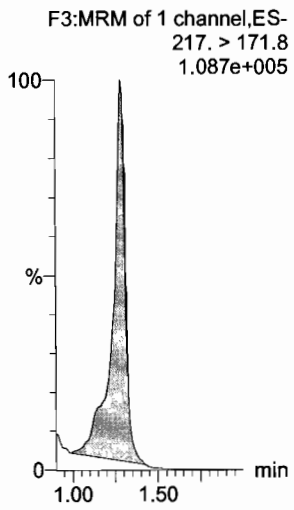

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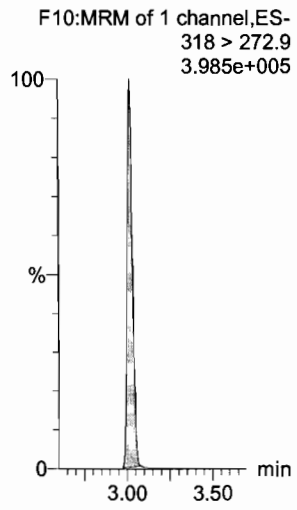
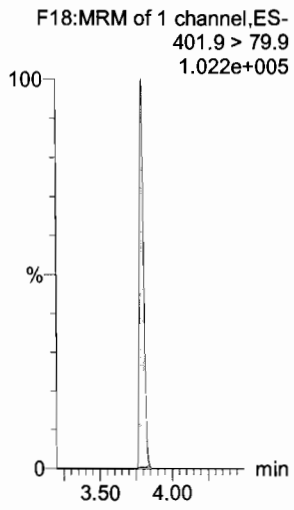
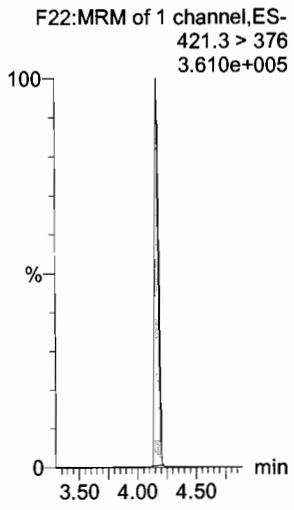


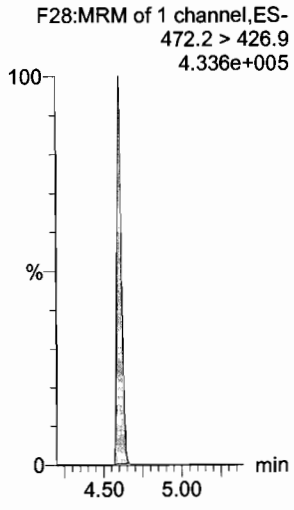
13C3-PFHxS



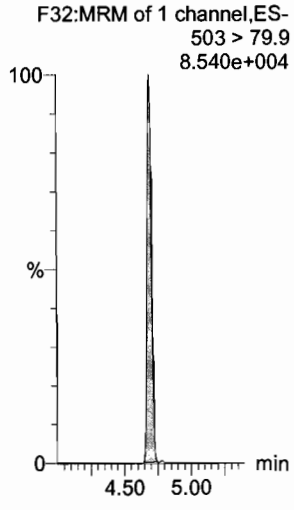
13C8-PFOA



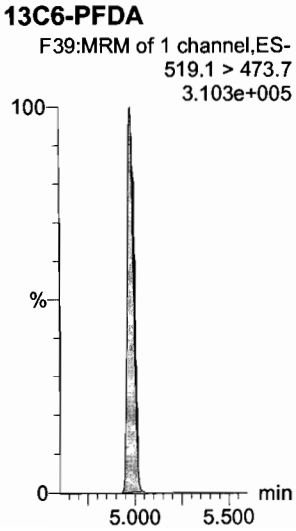
13C9-PFNA



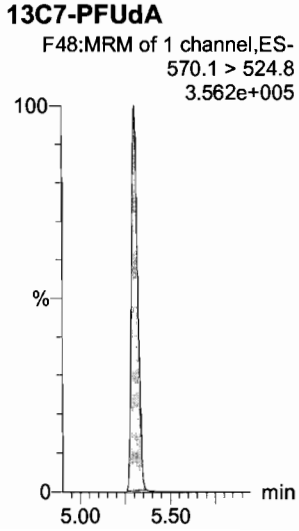
13C4-PFOS



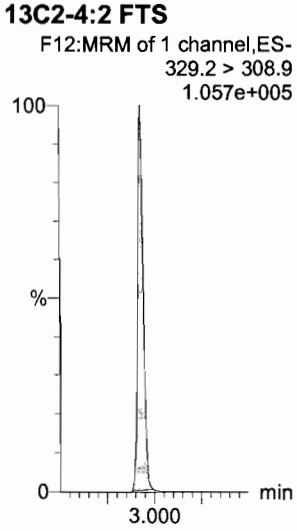
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS



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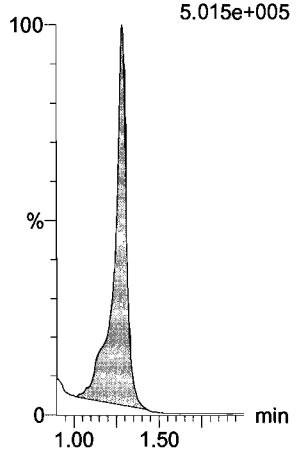
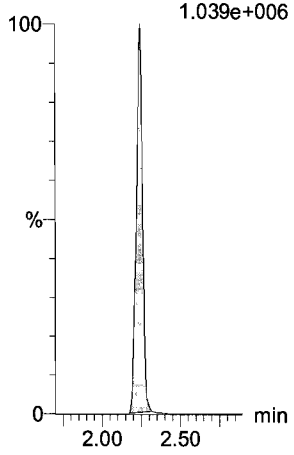
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_8, Date: 30-Jan-2018, Time: 12:53:35, ID: ST180130M2-7 PFC CS4 18A1910, Description: PFC CS4 18A1910

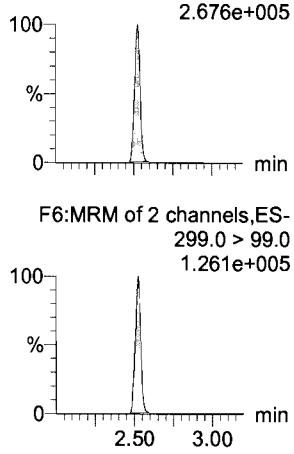
PFBA



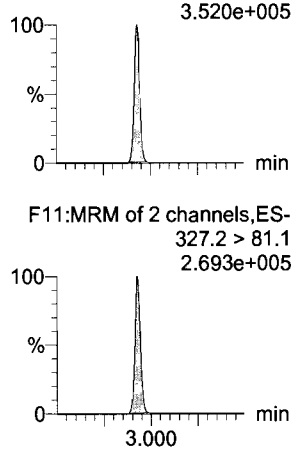
PFPeA



PFBS



4:2 FTS



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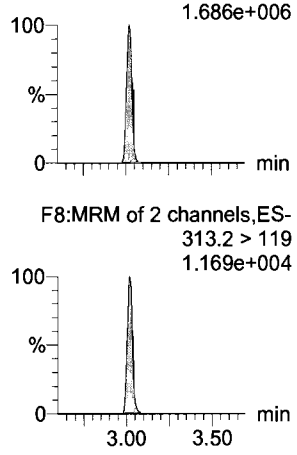

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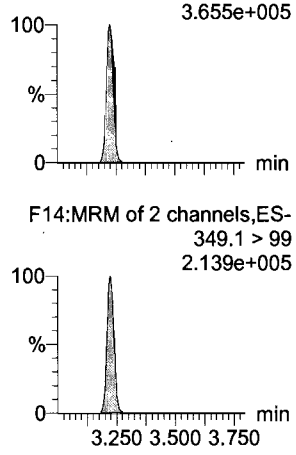
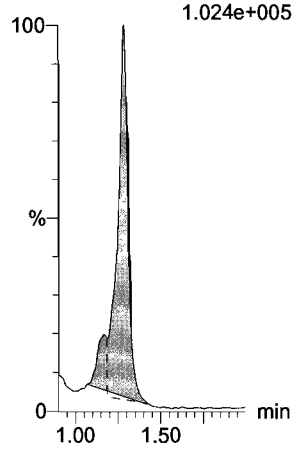


13C3-PFBA



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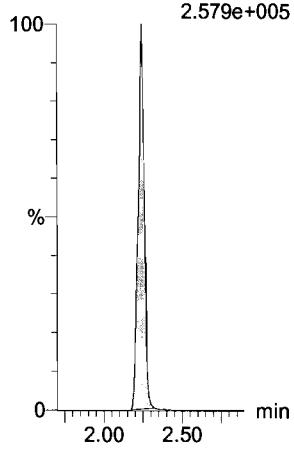

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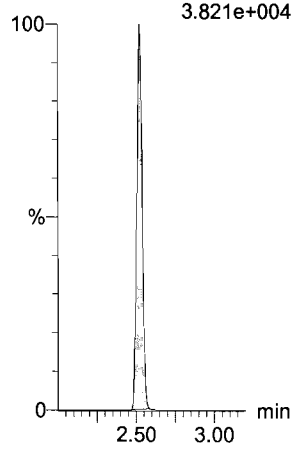

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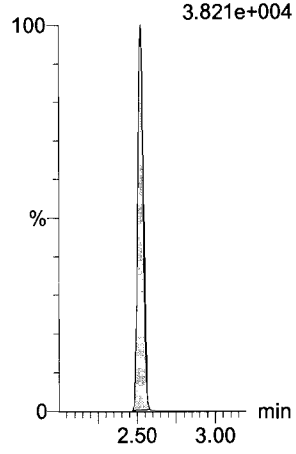

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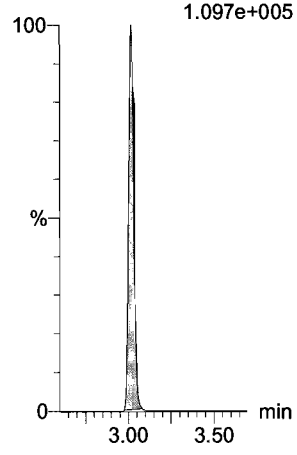

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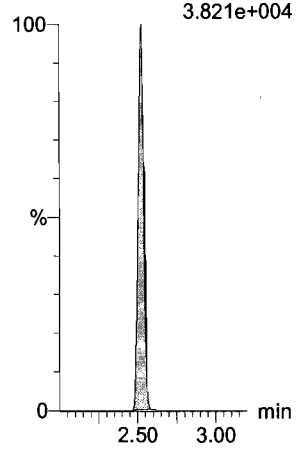

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Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_8, Date: 30-Jan-2018, Time: 12:53:35, ID: ST180130M2-7 PFC CS4 18A1910, Description: PFC CS4 18A1910

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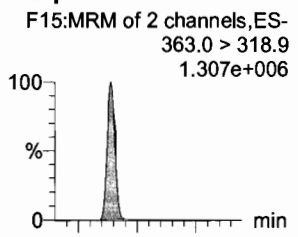

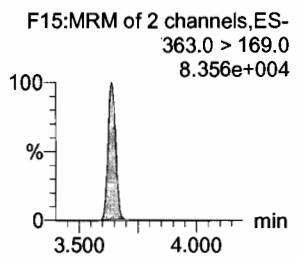

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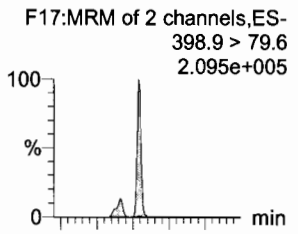

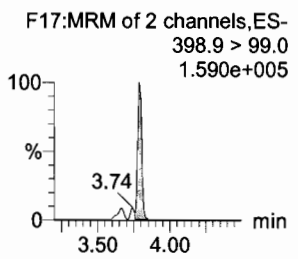

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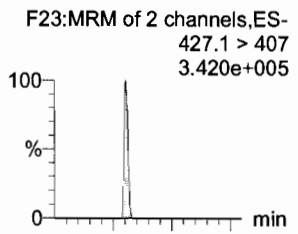

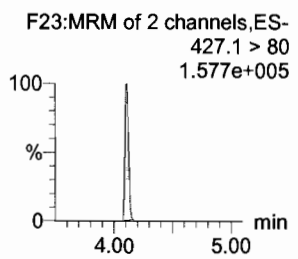

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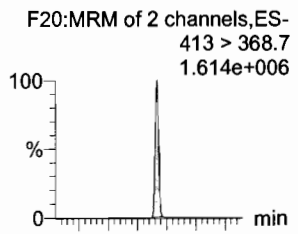

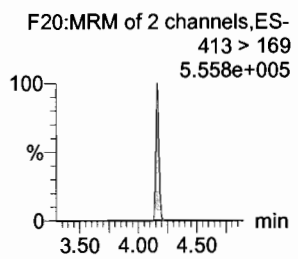

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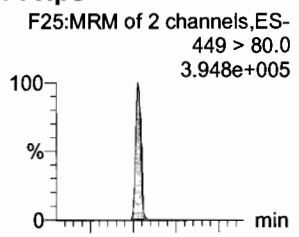

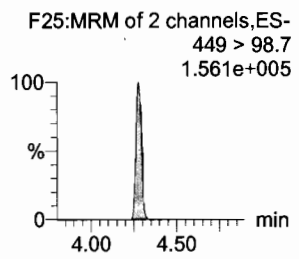

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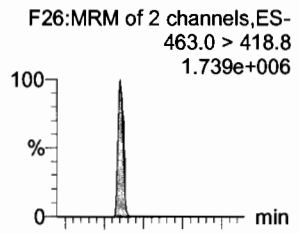
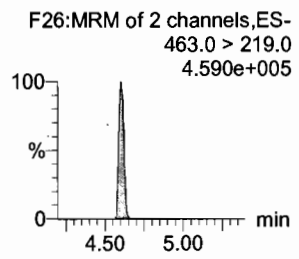
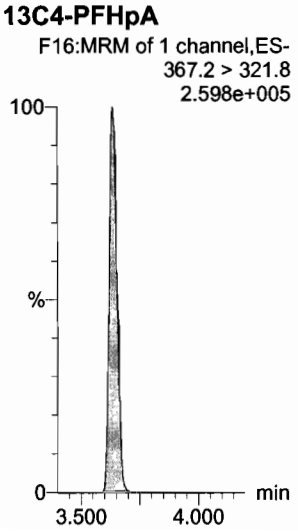




13C4-PFHpA



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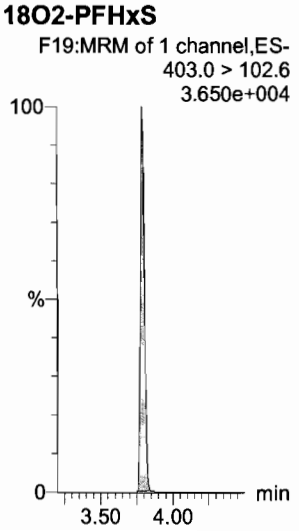

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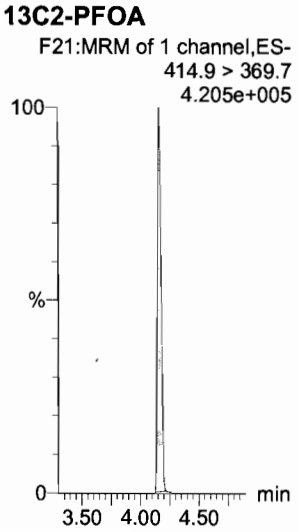

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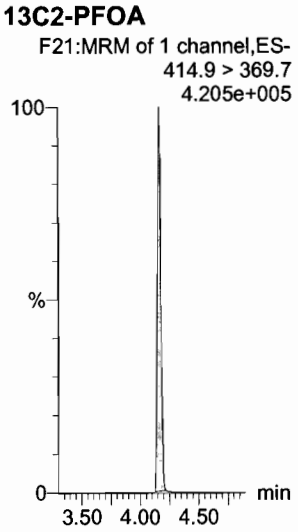
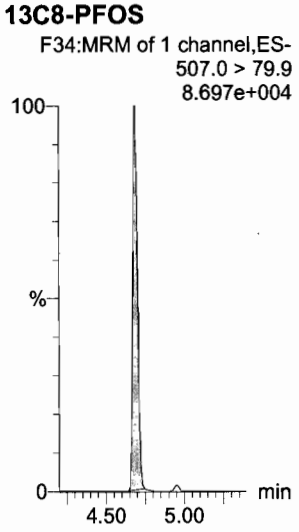
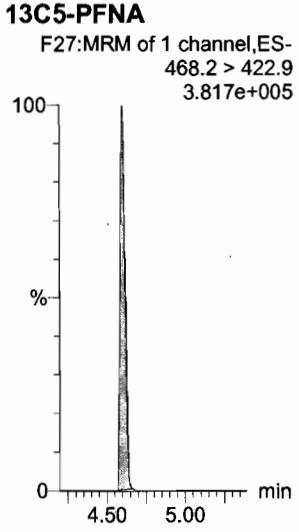


13C8-PFOS



13C5-PFNA



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Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_8, Date: 30-Jan-2018, Time: 12:53:35, ID: ST180130M2-7 PFC CS4 18A1910, Description: PFC CS4 18A1910

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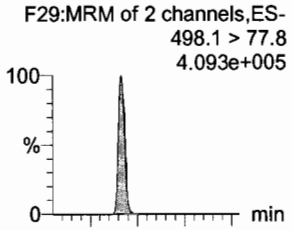

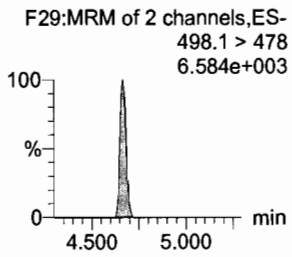

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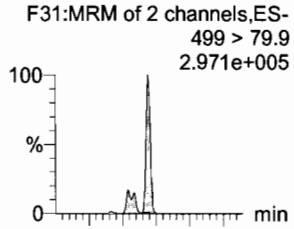

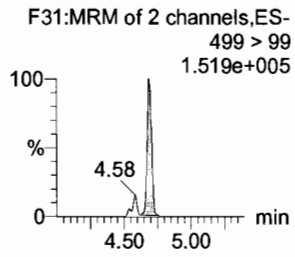

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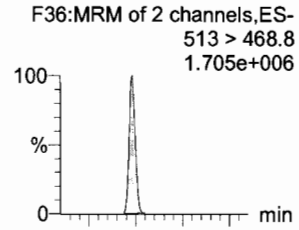
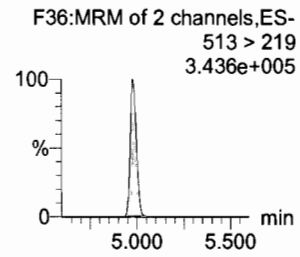
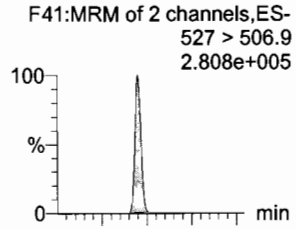
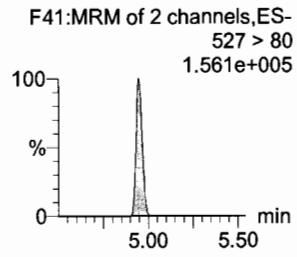




8:2 FTS





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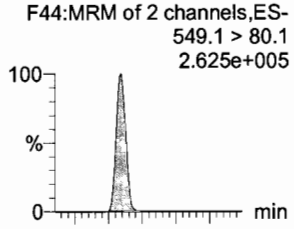

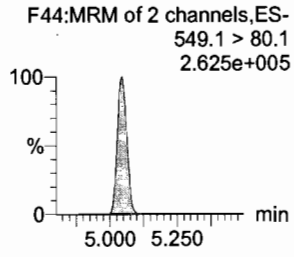

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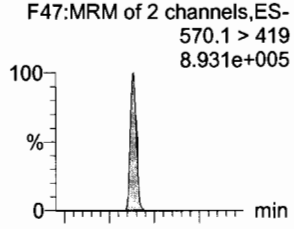

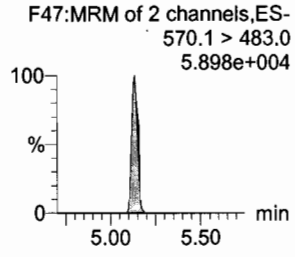

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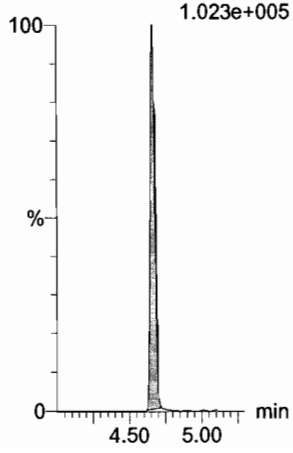

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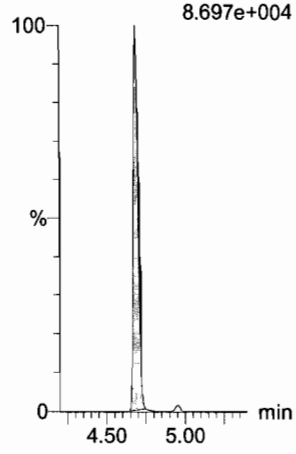

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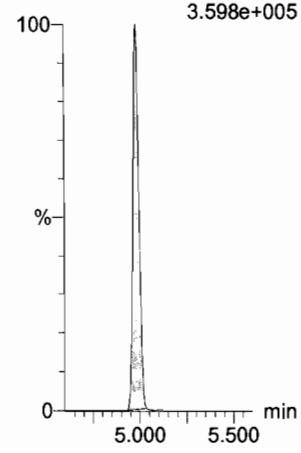

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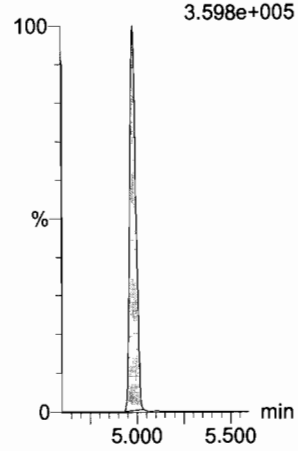

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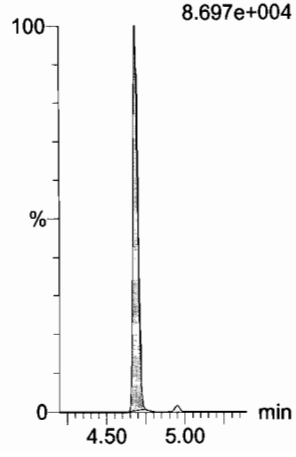

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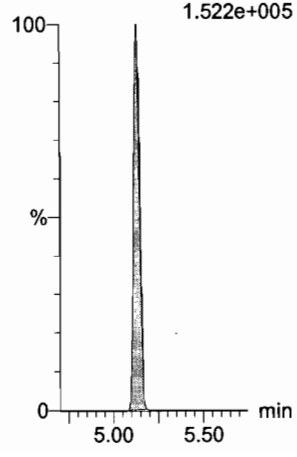

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Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_8, Date: 30-Jan-2018, Time: 12:53:35, ID: ST180130M2-7 PFC CS4 18A1910, Description: PFC CS4 18A1910

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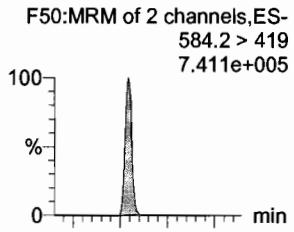

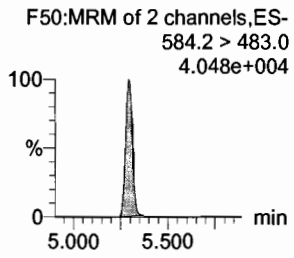

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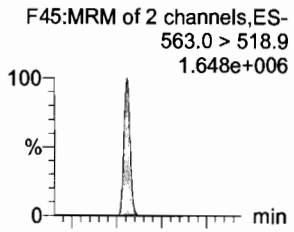

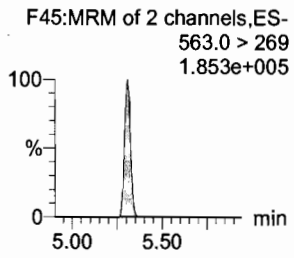

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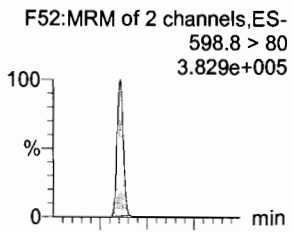

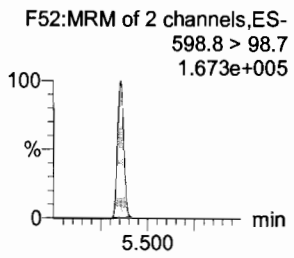

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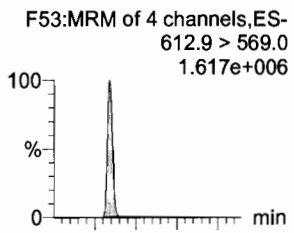

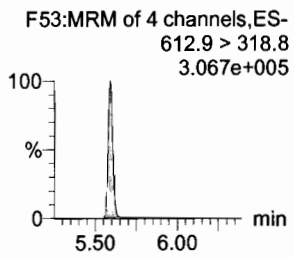

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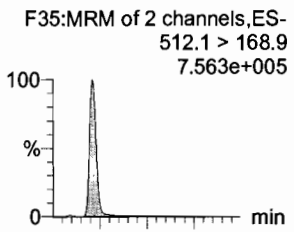
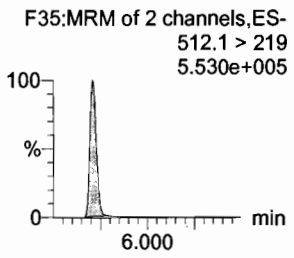
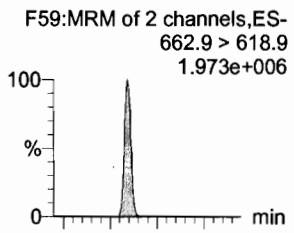
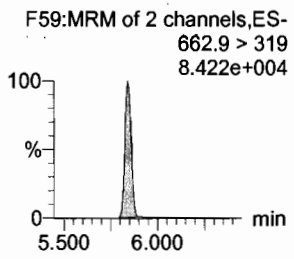


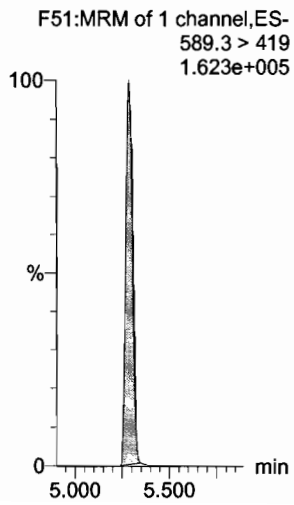


PFTrDA

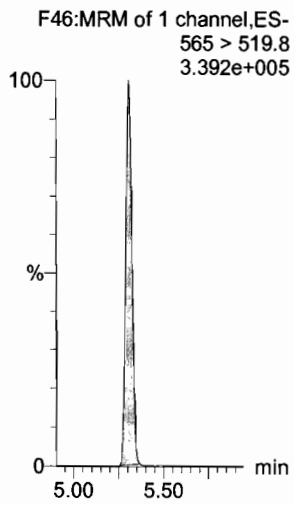




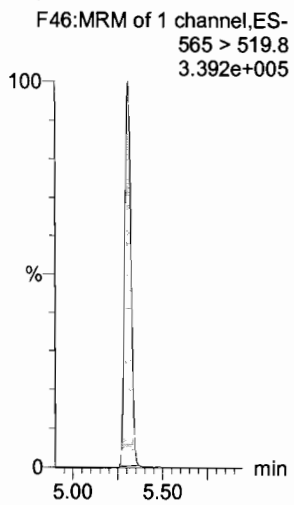
d5-N-EtFOSAA



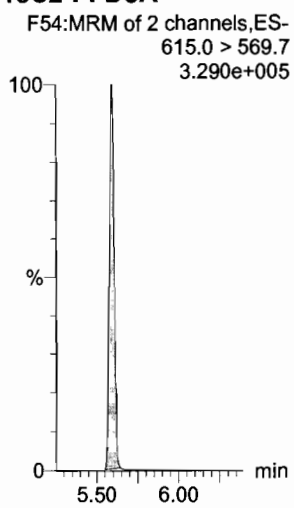
13C2-PFUdA



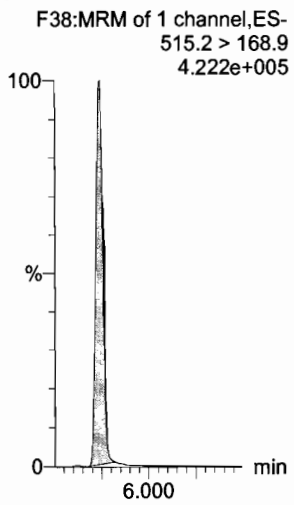
13C2-PFUdA



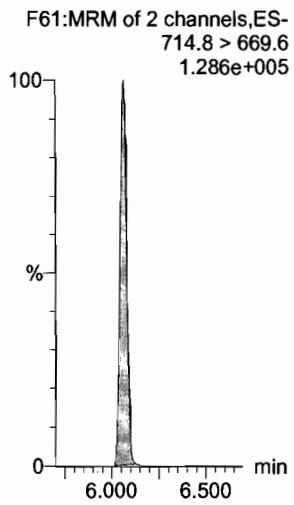
13C2-PFDoA



d3-N-MeFOSA



13C2-PFTeDA

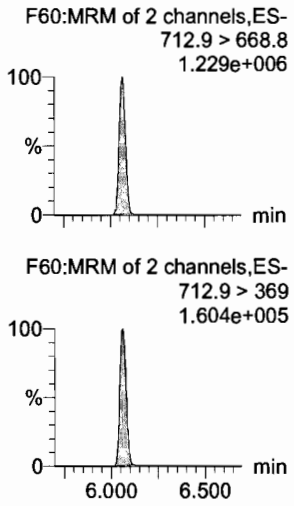


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

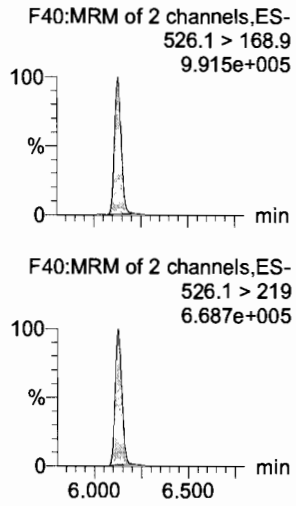
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_8, Date: 30-Jan-2018, Time: 12:53:35, ID: ST180130M2-7 PFC CS4 18A1910, Description: PFC CS4 18A1910

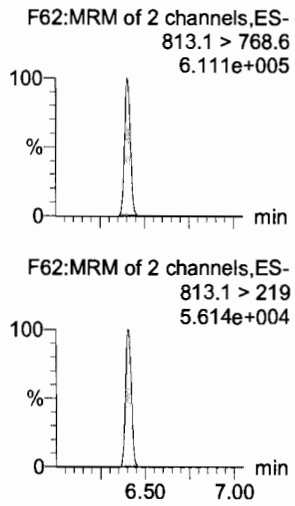
PFTeDA



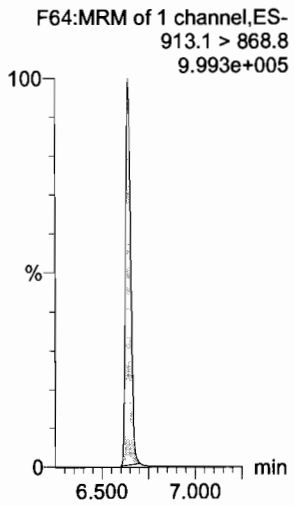
N-EtFOSA



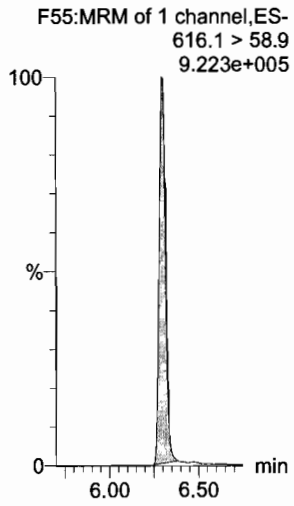
PFHxDA



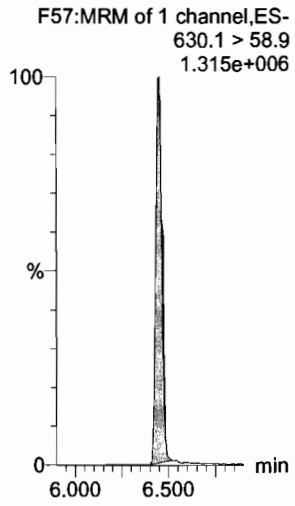
PFODA



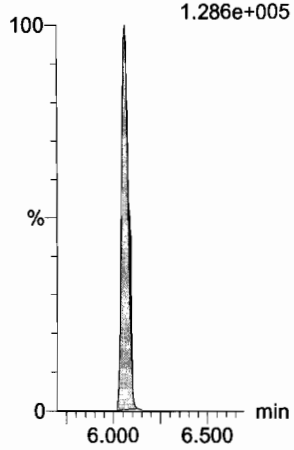
N-MeFOSE



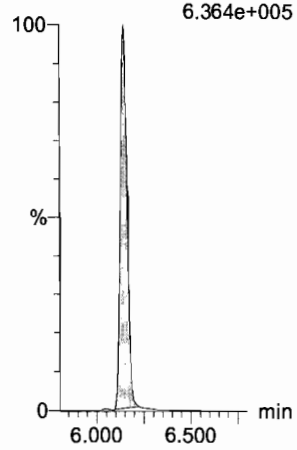
N-EtFOSE



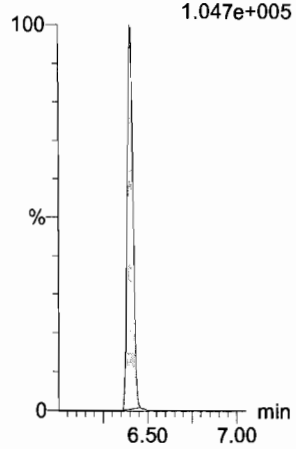
13C2-PFTeDA



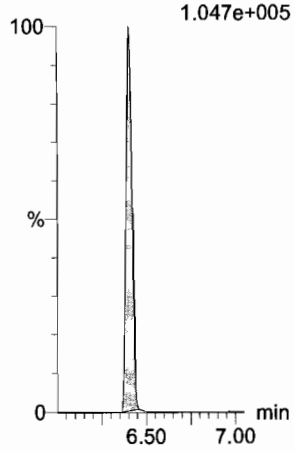
d5-N-ETFOSA



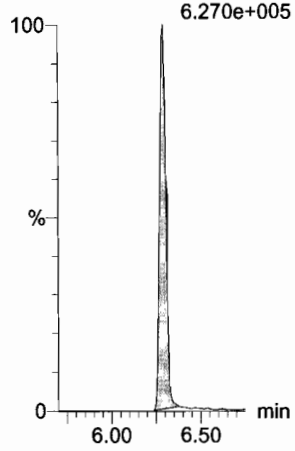
13C2-PFHxDA



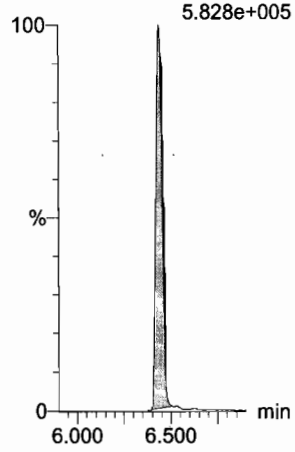
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

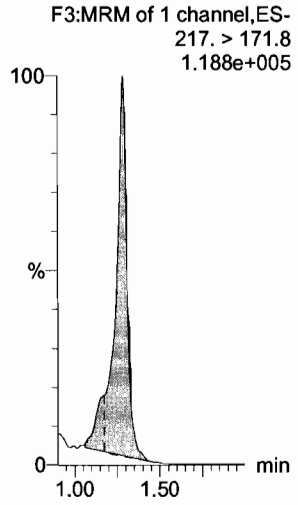


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

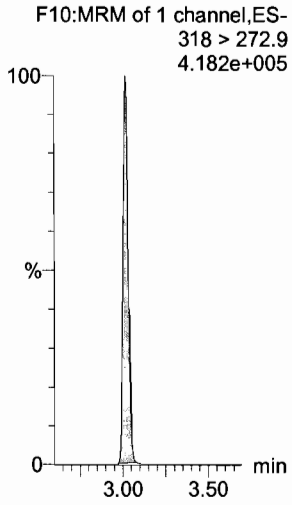
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_8, Date: 30-Jan-2018, Time: 12:53:35, ID: ST180130M2-7 PFC CS4 18A1910, Description: PFC CS4 18A1910

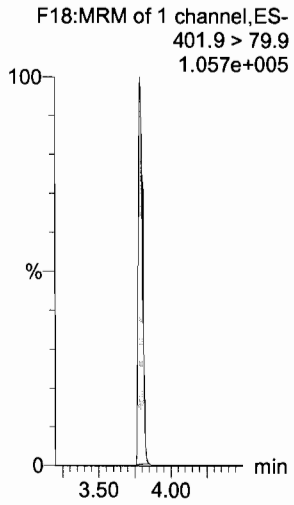
13C4-PFBA



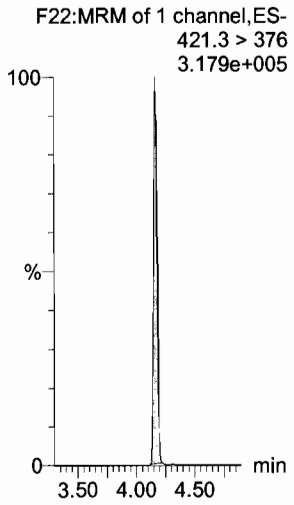
13C5-PFHxA



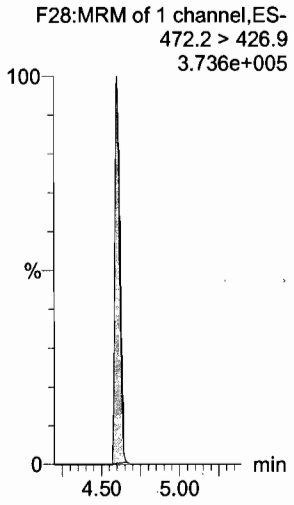
13C3-PFHxS



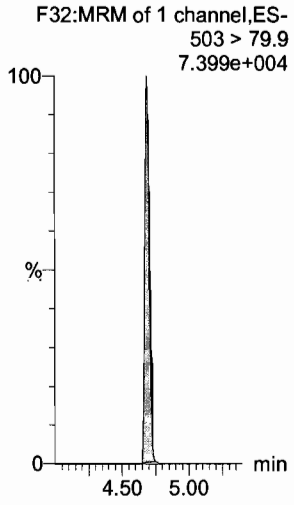
13C8-PFOA



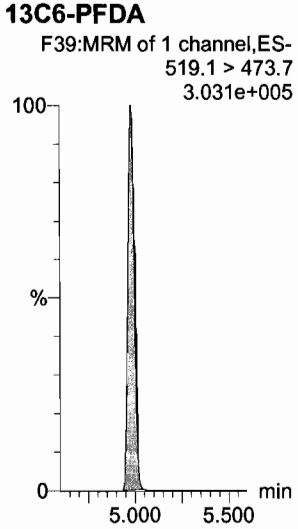
13C9-PFNA



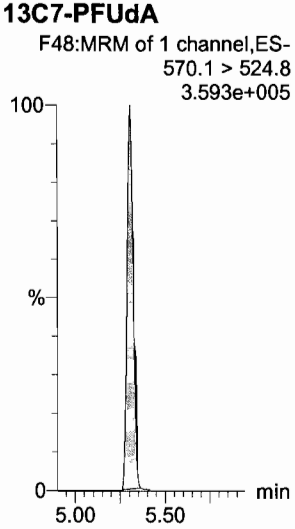
13C4-PFOS



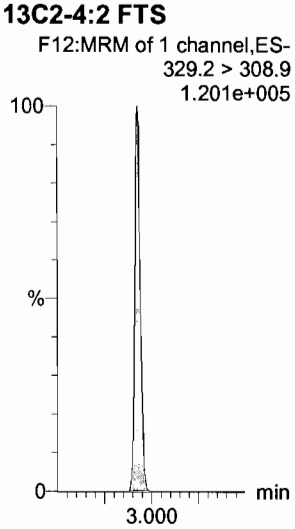
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS

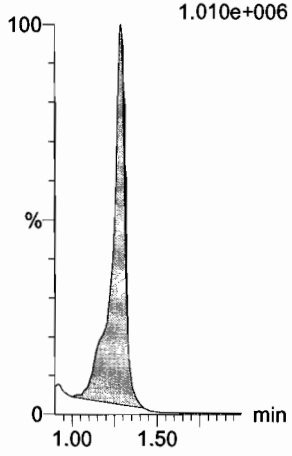


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

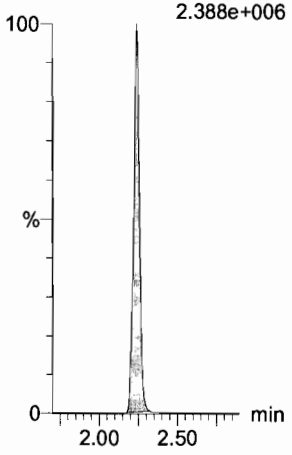
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_9, Date: 30-Jan-2018, Time: 13:05:04, ID: ST180130M2-8 PFC CS5 18A1911, Description: PFC CS5 18A1911

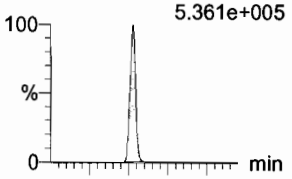
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
1.010e+006



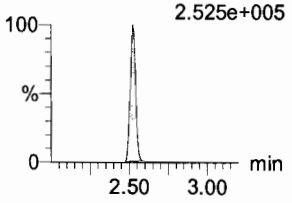
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
2.388e+006



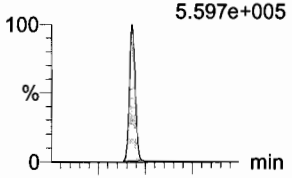
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
5.361e+005



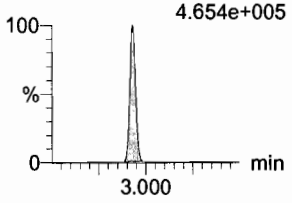
F6:MRM of 2 channels,ES-
299.0 > 99.0
2.525e+005



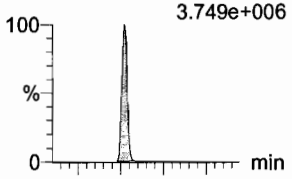
4:2 FTS
F11:MRM of 2 channels,ES-
327.2 > 307.2
5.597e+005



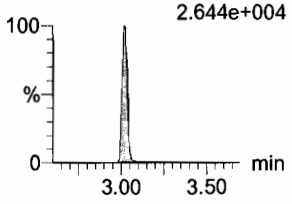
F11:MRM of 2 channels,ES-
327.2 > 81.1
4.654e+005



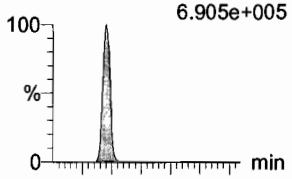
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
3.749e+006



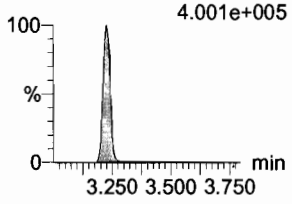
F8:MRM of 2 channels,ES-
313.2 > 119
2.644e+004



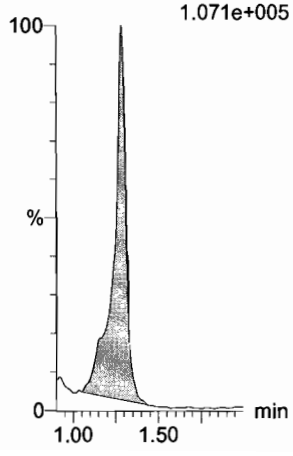
PFPeS
F14:MRM of 2 channels,ES-
349.1 > 80.1
6.905e+005



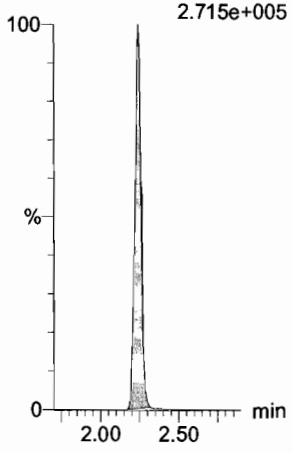
F14:MRM of 2 channels,ES-
349.1 > 99
4.001e+005



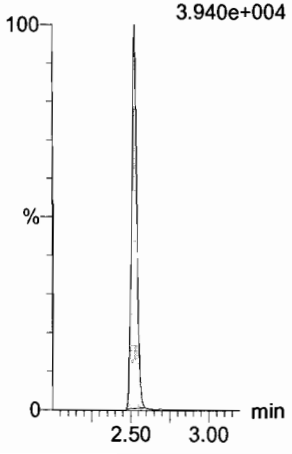
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
1.071e+005



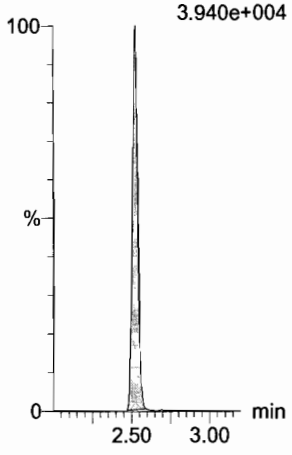
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.715e+005



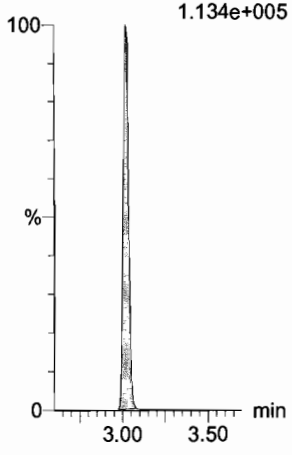
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.940e+004



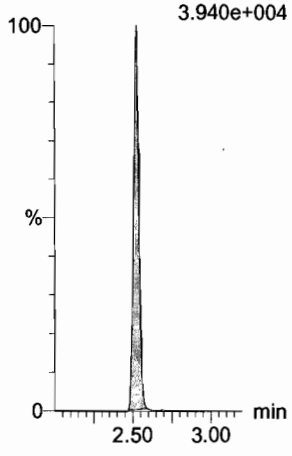
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.940e+004



13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
1.134e+005



13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.940e+004

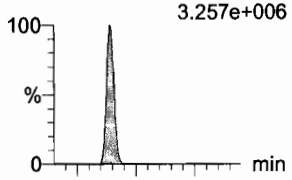


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

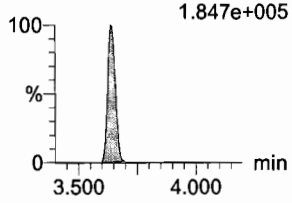
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_9, Date: 30-Jan-2018, Time: 13:05:04, ID: ST180130M2-8 PFC CS5 18A1911, Description: PFC CS5 18A1911

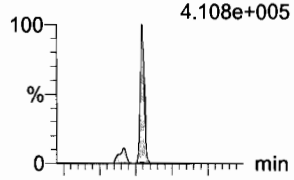
PFHpA
F15:MRM of 2 channels,ES-
363.0 > 318.9
3.257e+006



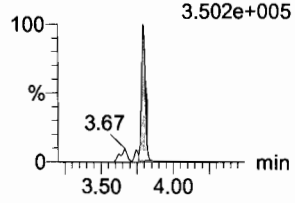
F15:MRM of 2 channels,ES-
363.0 > 169.0
1.847e+005



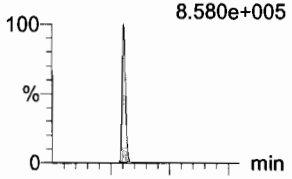
L-PFHxS
F17:MRM of 2 channels,ES-
398.9 > 79.6
4.108e+005



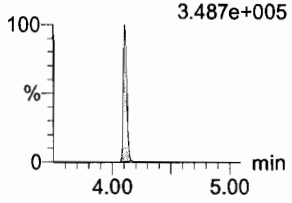
F17:MRM of 2 channels,ES-
398.9 > 99.0
3.502e+005



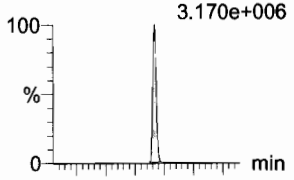
6:2 FTS
F23:MRM of 2 channels,ES-
427.1 > 407
8.580e+005



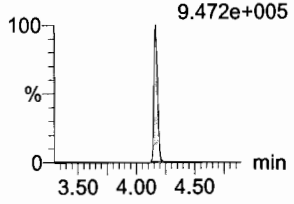
F23:MRM of 2 channels,ES-
427.1 > 80
3.487e+005



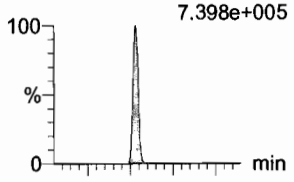
L-PFOA
F20:MRM of 2 channels,ES-
413 > 368.7
3.170e+006



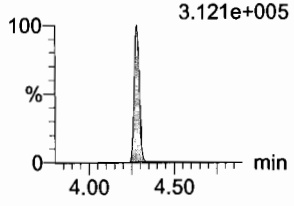
F20:MRM of 2 channels,ES-
413 > 169
9.472e+005



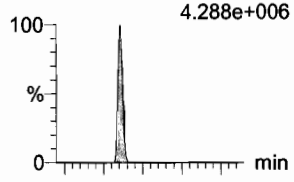
PFHpS
F25:MRM of 2 channels,ES-
449 > 80.0
7.398e+005



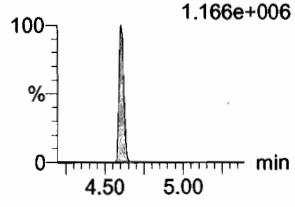
F25:MRM of 2 channels,ES-
449 > 98.7
3.121e+005



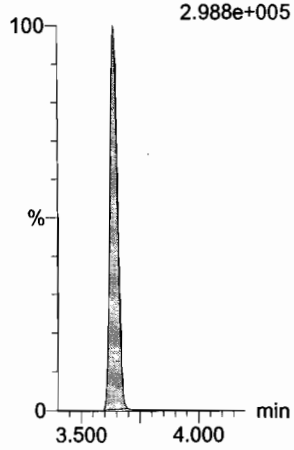
PFNA
F26:MRM of 2 channels,ES-
463.0 > 418.8
4.288e+006



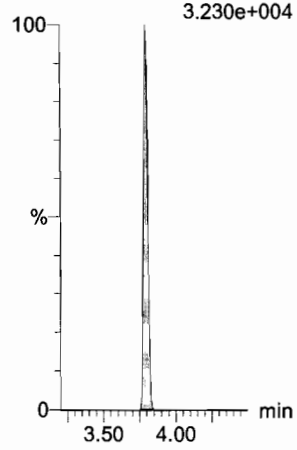
F26:MRM of 2 channels,ES-
463.0 > 219.0
1.166e+006



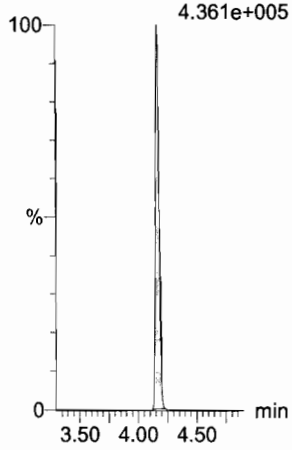
13C4-PFHpA
F16:MRM of 1 channel,ES-
367.2 > 321.8
2.988e+005



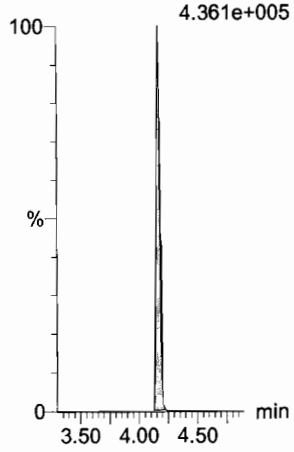
18O2-PFHxS
F19:MRM of 1 channel,ES-
403.0 > 102.6
3.230e+004



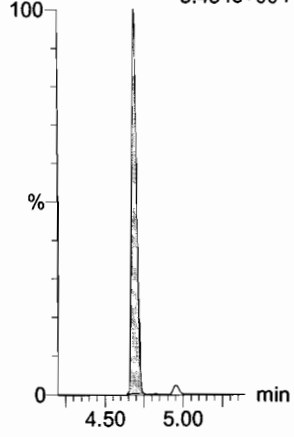
13C2-PFOA
F21:MRM of 1 channel,ES-
414.9 > 369.7
4.361e+005



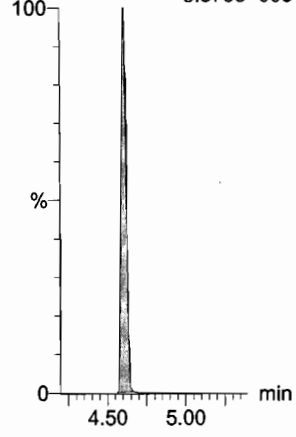
13C2-PFOA
F21:MRM of 1 channel,ES-
414.9 > 369.7
4.361e+005



13C8-PFOS
F34:MRM of 1 channel,ES-
507.0 > 79.9
8.454e+004



13C5-PFNA
F27:MRM of 1 channel,ES-
468.2 > 422.9
3.879e+005

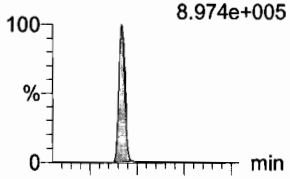


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

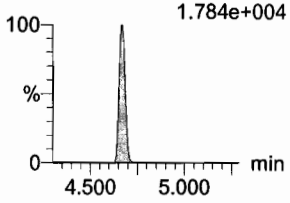
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_9, Date: 30-Jan-2018, Time: 13:05:04, ID: ST180130M2-8 PFC CS5 18A1911, Description: PFC CS5 18A1911

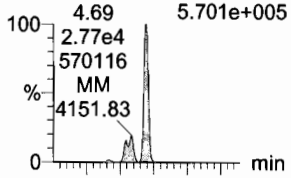
PFOSA
F29:MRM of 2 channels,ES-
498.1 > 77.8
8.974e+005



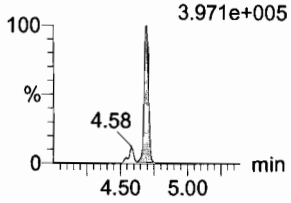
F29:MRM of 2 channels,ES-
498.1 > 478
1.784e+004



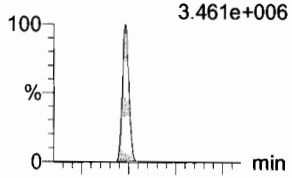
L-PFOS
F31:MRM of 2 channels,ES-
L-PFOS 499 > 79.9
4.69 5.701e+005
2.77e4
570116
MM
4151.83



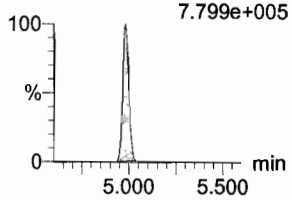
F31:MRM of 2 channels,ES-
499 > 99
3.971e+005



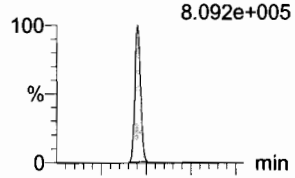
PFDA
F36:MRM of 2 channels,ES-
513 > 468.8
3.461e+006



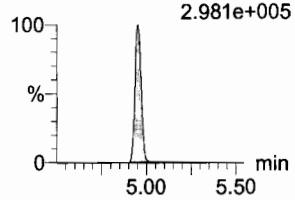
F36:MRM of 2 channels,ES-
513 > 219
7.799e+005



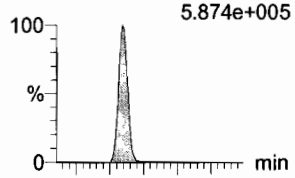
8:2 FTS
F41:MRM of 2 channels,ES-
527 > 506.9
8.092e+005



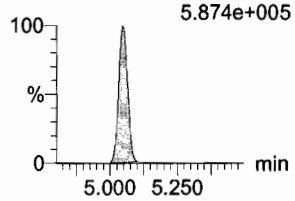
F41:MRM of 2 channels,ES-
527 > 80
2.981e+005



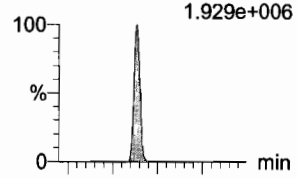
PFNS
F44:MRM of 2 channels,ES-
549.1 > 80.1
5.874e+005



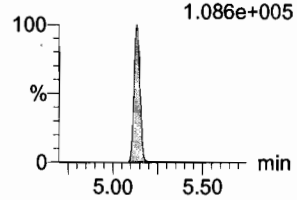
F44:MRM of 2 channels,ES-
549.1 > 80.1
5.874e+005



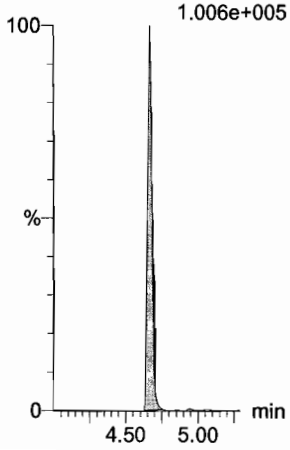
N-MeFOSAA
F47:MRM of 2 channels,ES-
570.1 > 419
1.929e+006



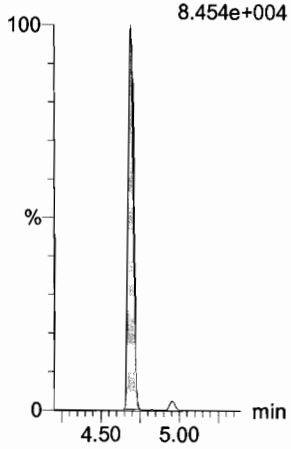
F47:MRM of 2 channels,ES-
570.1 > 483.0
1.086e+005



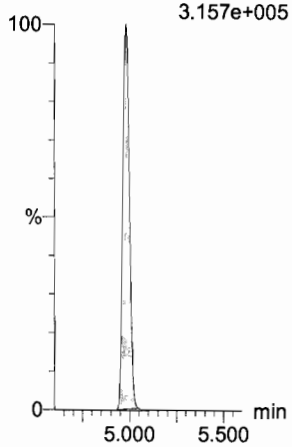
13C8-PFOSA
F33:MRM of 1 channel,ES-
506.1 > 77.7
1.006e+005



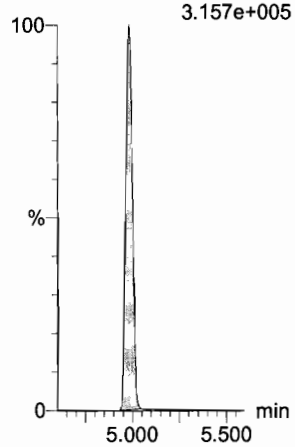
13C8-PFOS
F34:MRM of 1 channel,ES-
507.0 > 79.9
8.454e+004



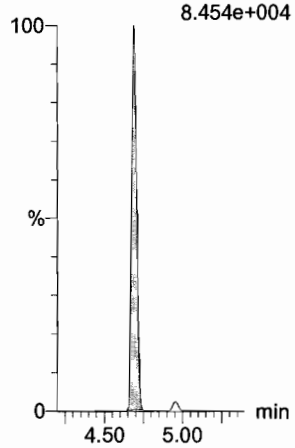
13C2-PFDA
F37:MRM of 1 channel,ES-
515.1 > 469.9
3.157e+005



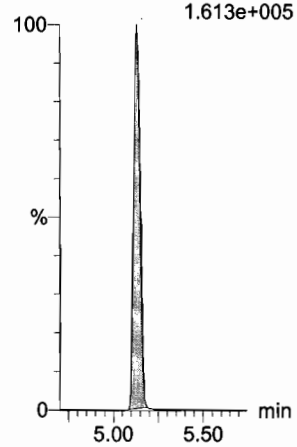
13C2-PFDA
F37:MRM of 1 channel,ES-
515.1 > 469.9
3.157e+005



13C8-PFOS
F34:MRM of 1 channel,ES-
507.0 > 79.9
8.454e+004



d3-N-MeFOSAA
F49:MRM of 1 channel,ES-
573.3 > 419
1.613e+005

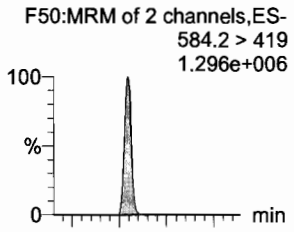


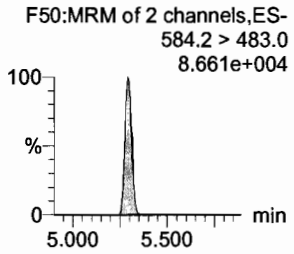
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

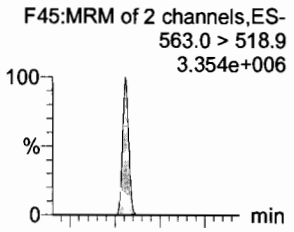
Name: 180130M2_9, Date: 30-Jan-2018, Time: 13:05:04, ID: ST180130M2-8 PFC CS5 18A1911, Description: PFC CS5 18A1911

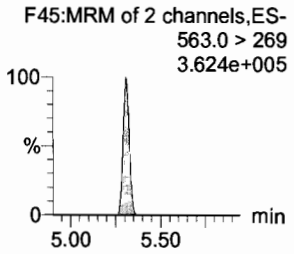
N-EtFOSAA



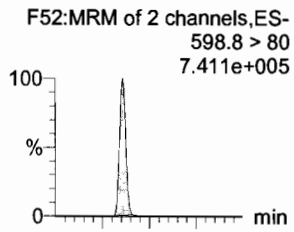


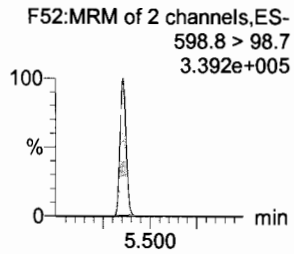
PFUdA



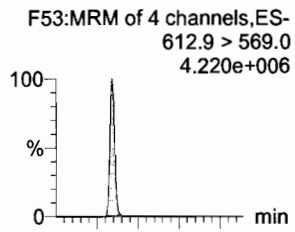


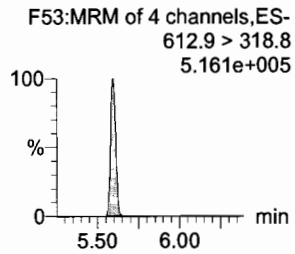
PFDS



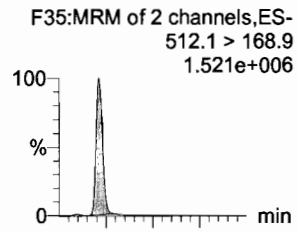


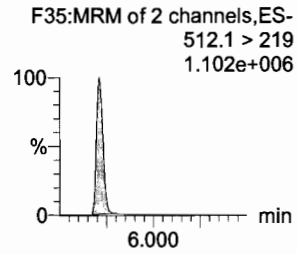
PFDoA



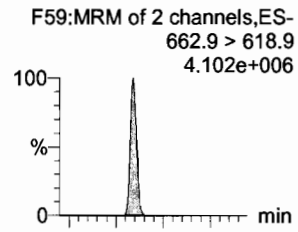


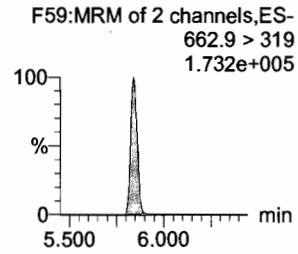
N-MeFOSA



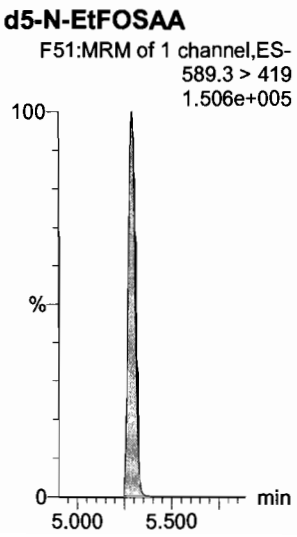


PFTrDA

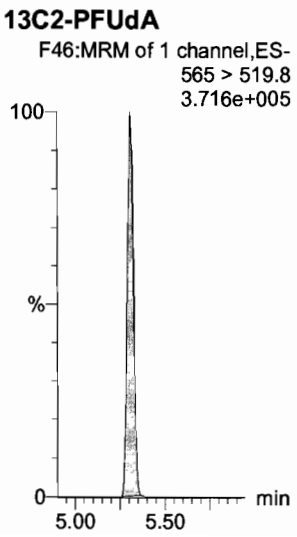




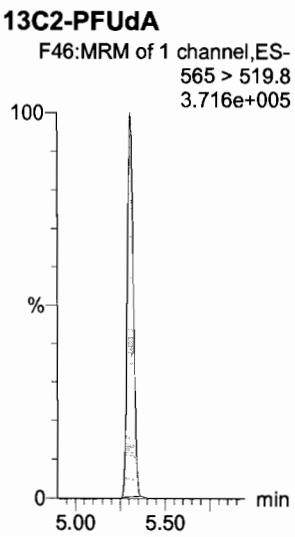
d5-N-EtFOSAA



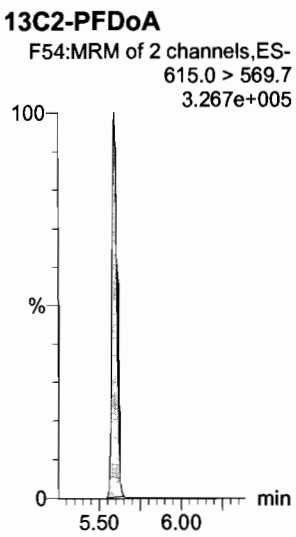
13C2-PFUdA



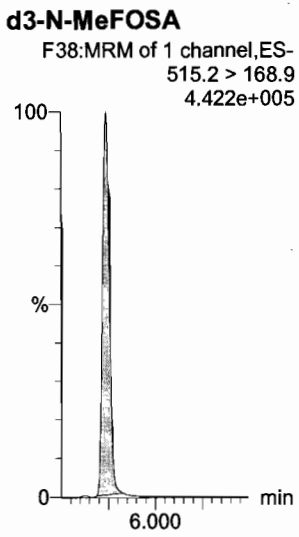
13C2-PFUdA



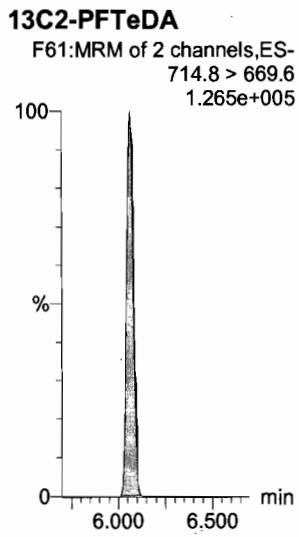
13C2-PFDoA



d3-N-MeFOSA



13C2-PFTeDA

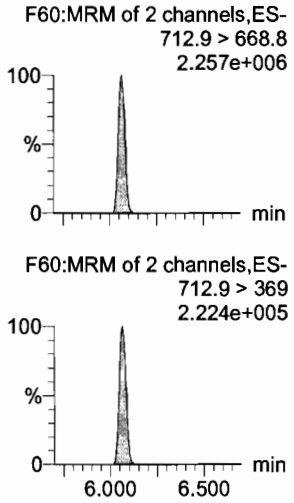


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

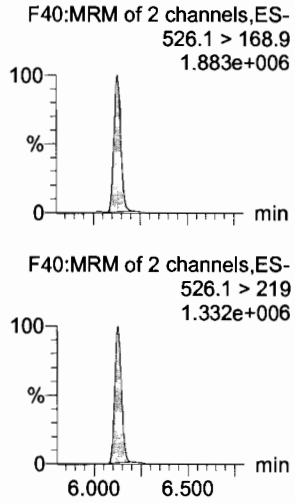
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_9, Date: 30-Jan-2018, Time: 13:05:04, ID: ST180130M2-8 PFC CS5 18A1911, Description: PFC CS5 18A1911

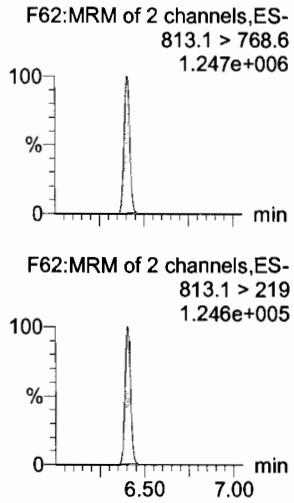
PFTeDA



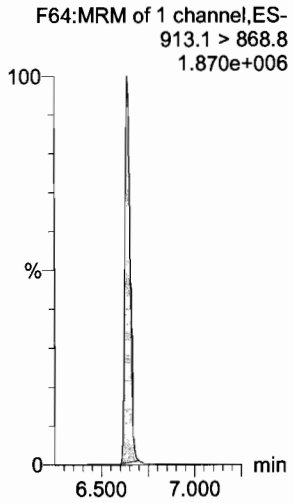
N-EtFOSA



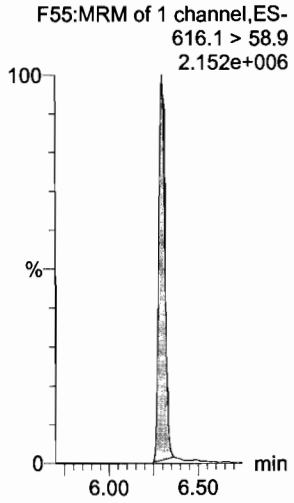
PFHxDA



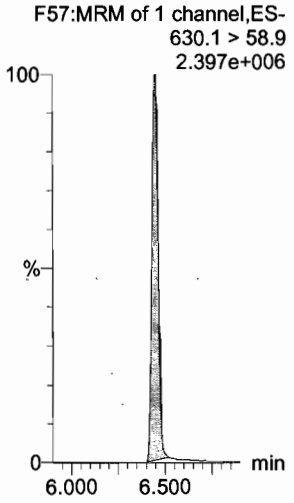
PFODA



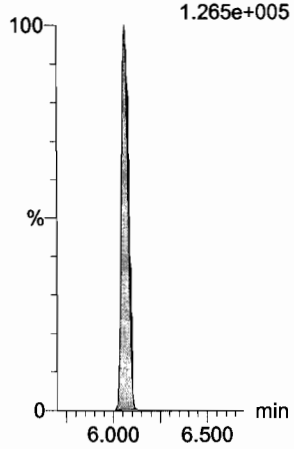
N-MeFOSE



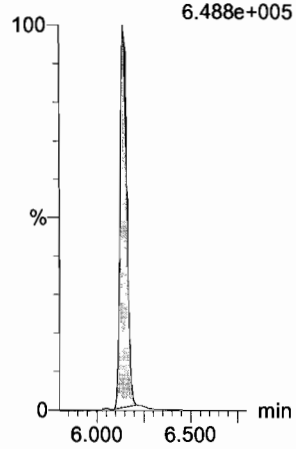
N-EtFOSE



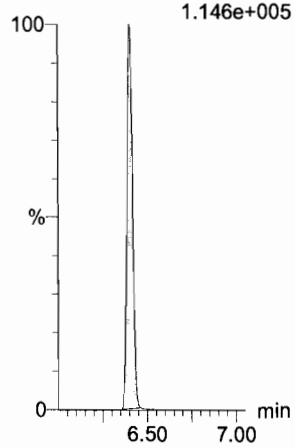
13C2-PFTeDA



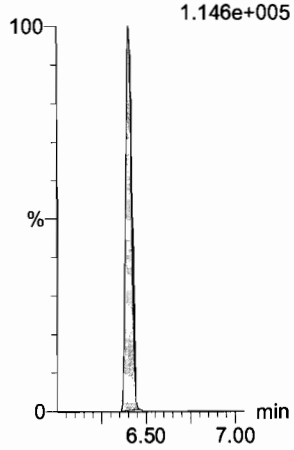
d5-N-ETFOSA



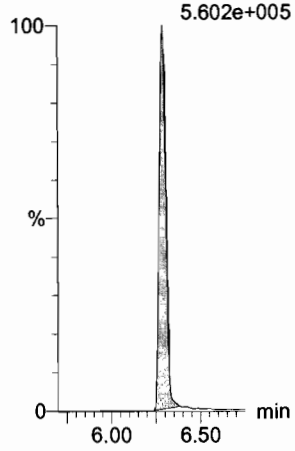
13C2-PFHxDA



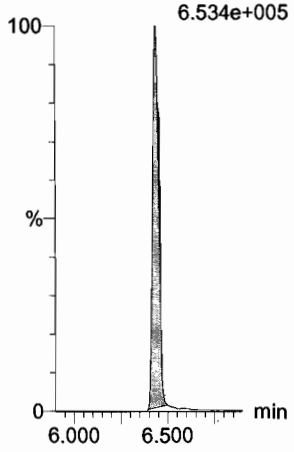
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

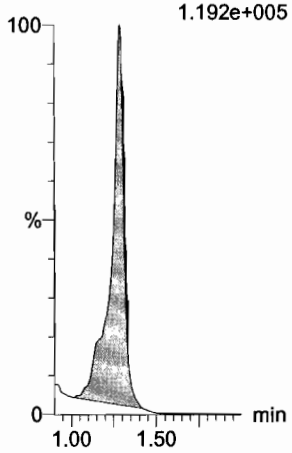


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

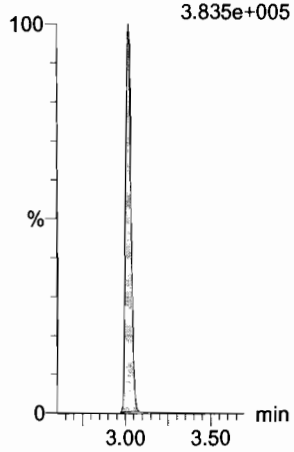
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_9, Date: 30-Jan-2018, Time: 13:05:04, ID: ST180130M2-8 PFC CS5 18A1911, Description: PFC CS5 18A1911

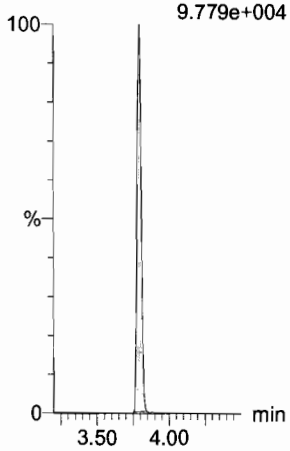
13C4-PFBA



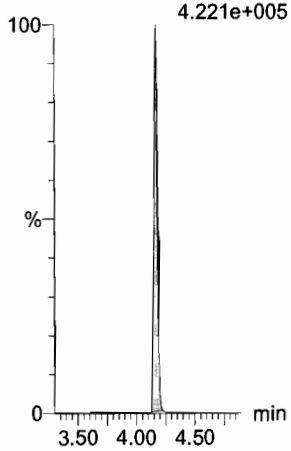
13C5-PFHxA



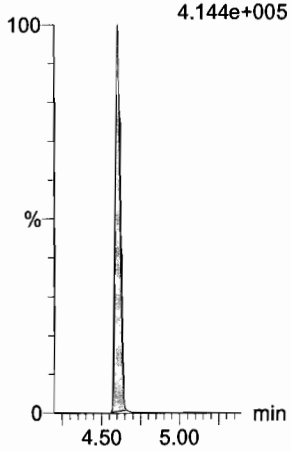
13C3-PFHxS



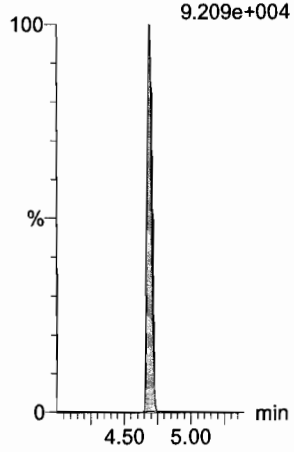
13C8-PFOA



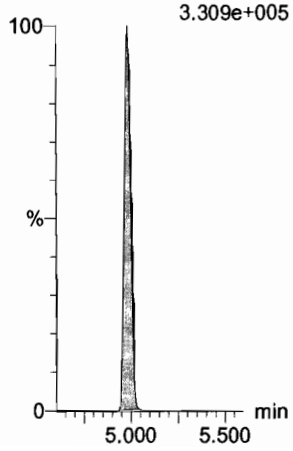
13C9-PFNA



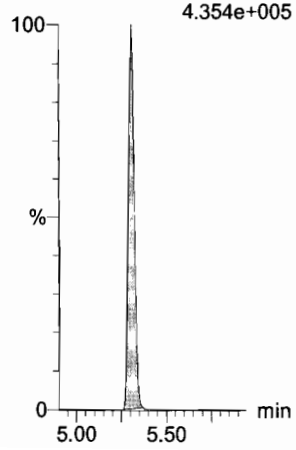
13C4-PFOS



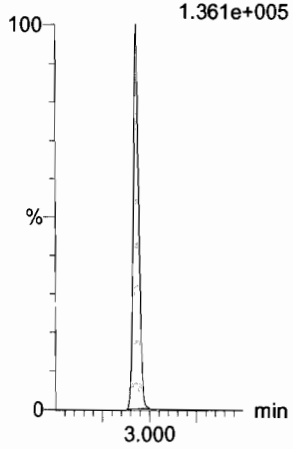
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS

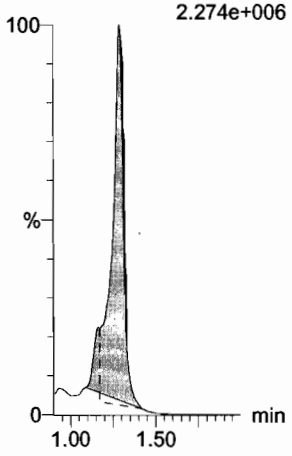


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

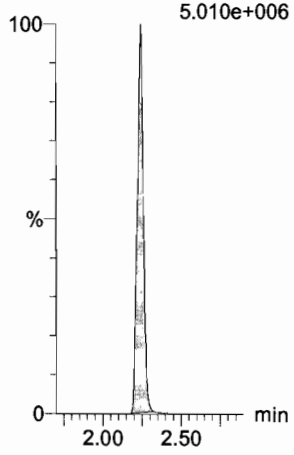
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_10, Date: 30-Jan-2018, Time: 13:16:34, ID: ST180130M2-9 PFC CS6 18A2403, Description: PFC CS6 18A2403

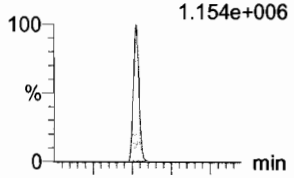
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
2.274e+006



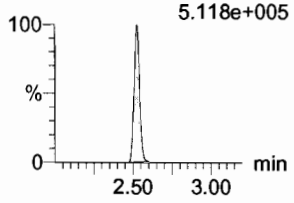
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
5.010e+006



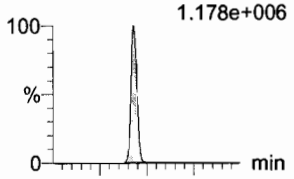
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
1.154e+006



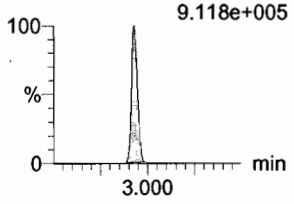
F6:MRM of 2 channels,ES-
299.0 > 99.0
5.118e+005



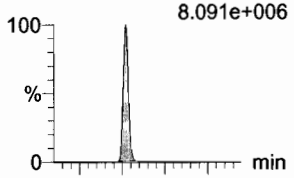
4:2 FTS
F11:MRM of 2 channels,ES-
327.2 > 307.2
1.178e+006



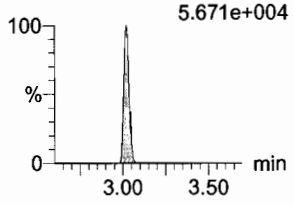
F11:MRM of 2 channels,ES-
327.2 > 81.1
9.118e+005



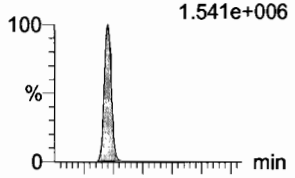
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
8.091e+006



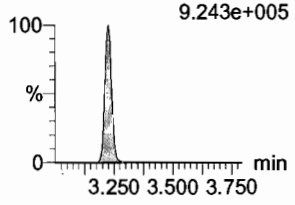
F8:MRM of 2 channels,ES-
313.2 > 119
5.671e+004



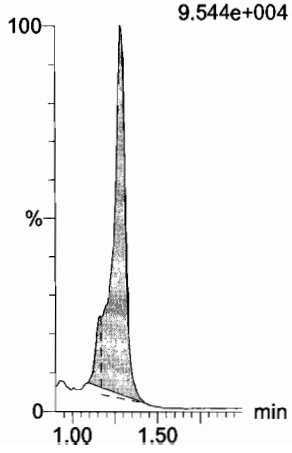
PFPeS
F14:MRM of 2 channels,ES-
349.1 > 80.1
1.541e+006



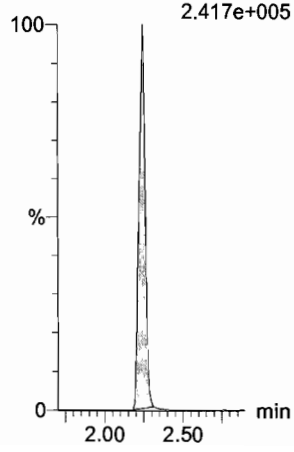
F14:MRM of 2 channels,ES-
349.1 > 99
9.243e+005



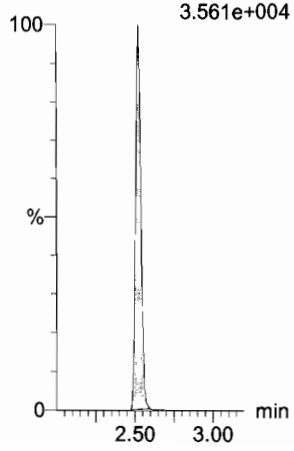
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
9.544e+004



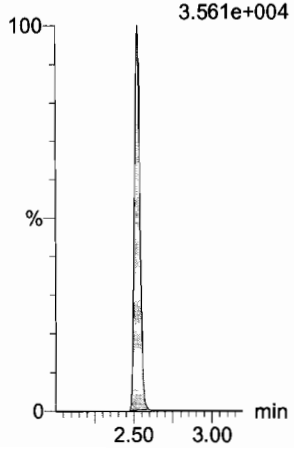
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.417e+005



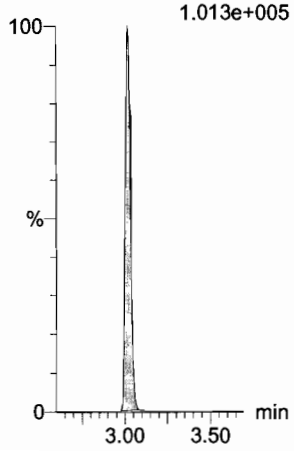
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.561e+004



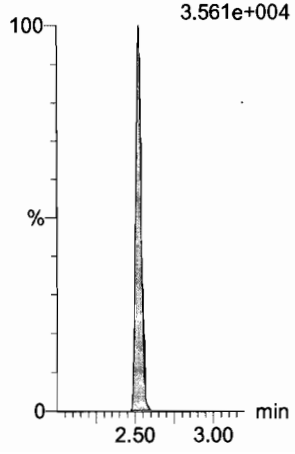
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.561e+004



13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
1.013e+005



13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.561e+004

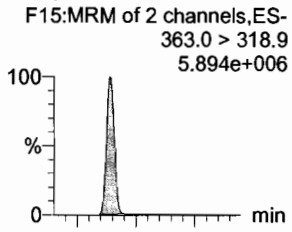


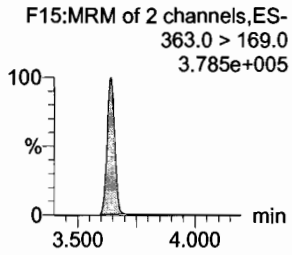
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

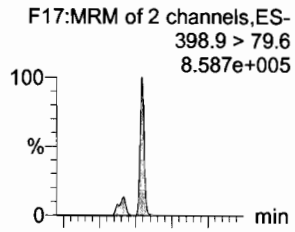
Name: 180130M2_10, Date: 30-Jan-2018, Time: 13:16:34, ID: ST180130M2-9 PFC CS6 18A2403, Description: PFC CS6 18A2403

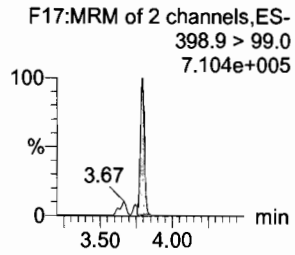
PFHpA



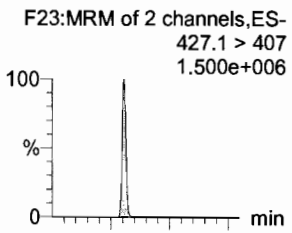


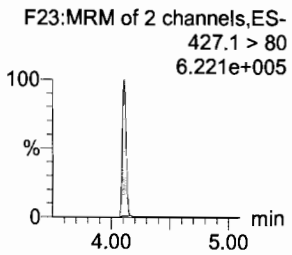
L-PFHxS



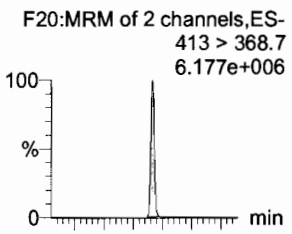


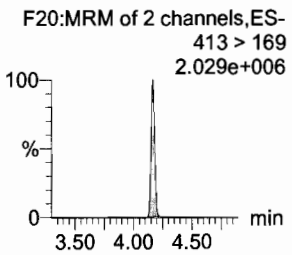
6:2 FTS



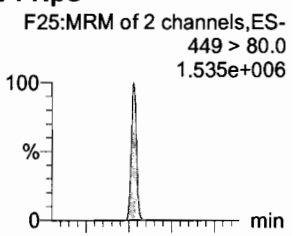


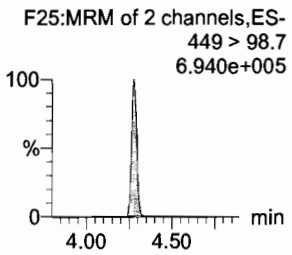
L-PFOA



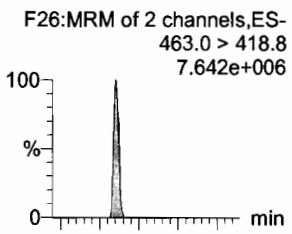


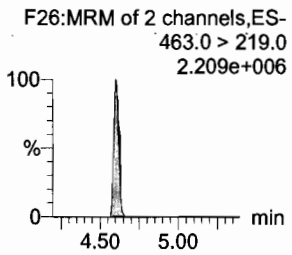
PFHpS



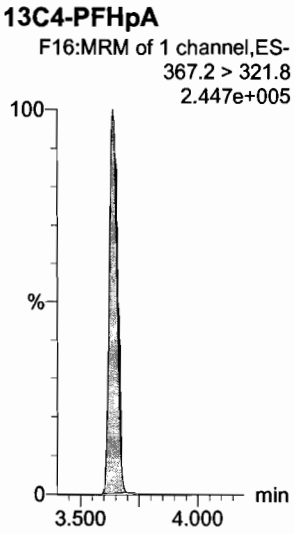


PFNA

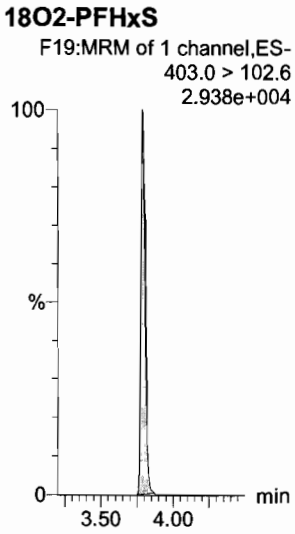




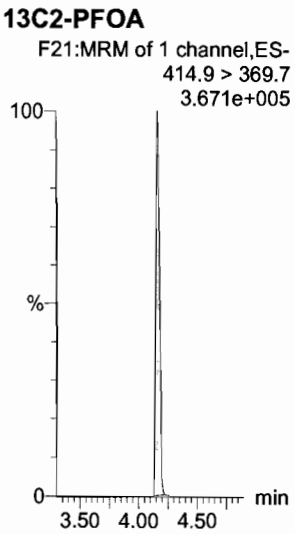
13C4-PFHpA



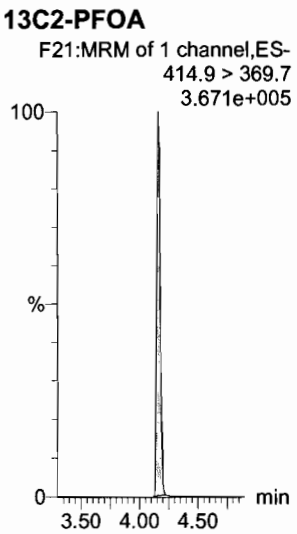
18O2-PFHxS



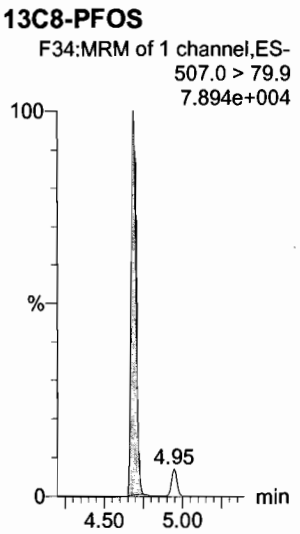
13C2-PFOA



13C2-PFOA



13C8-PFOS



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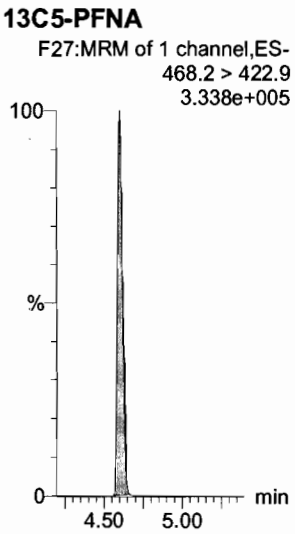

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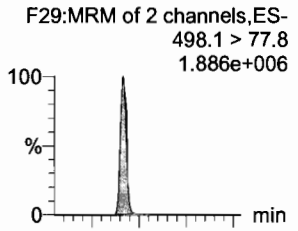
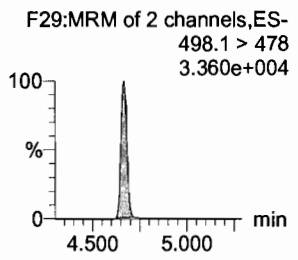
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_10, Date: 30-Jan-2018, Time: 13:16:34, ID: ST180130M2-9 PFC CS6 18A2403, Description: PFC CS6 18A2403

PFOSA





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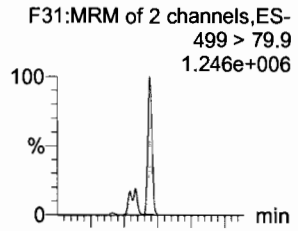

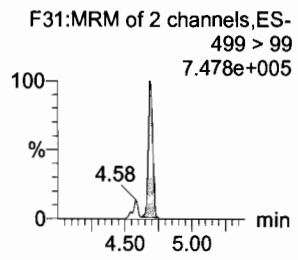

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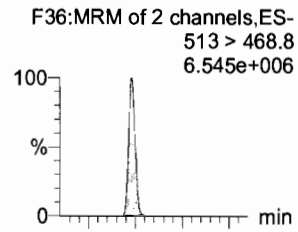

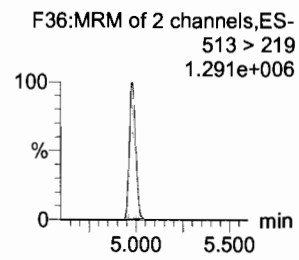

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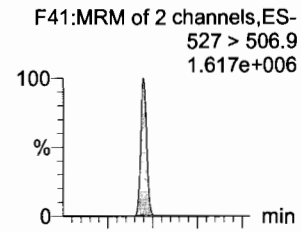

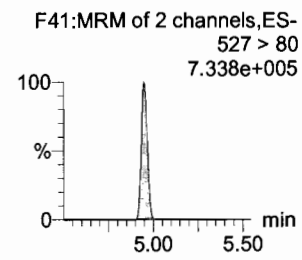

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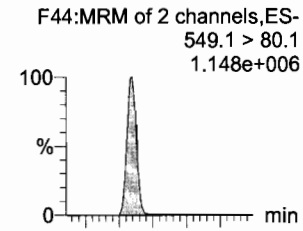

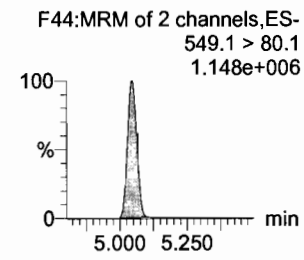

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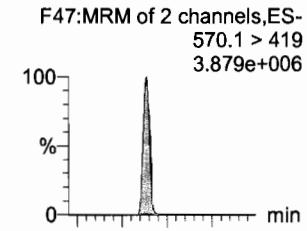

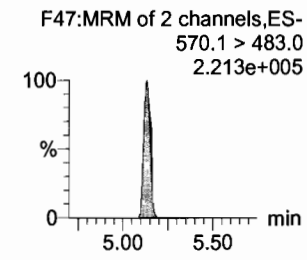

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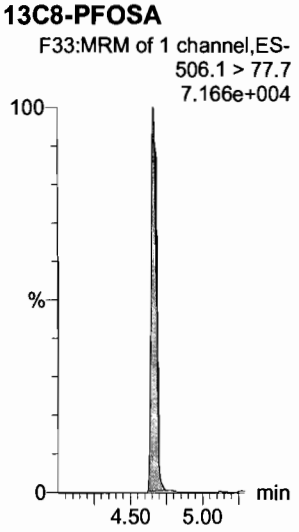

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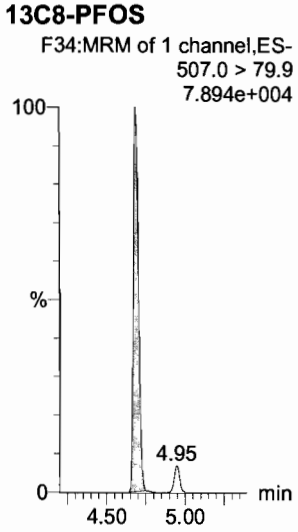

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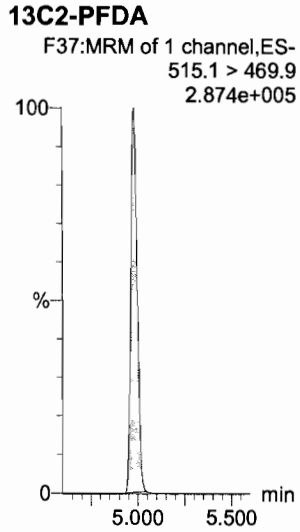

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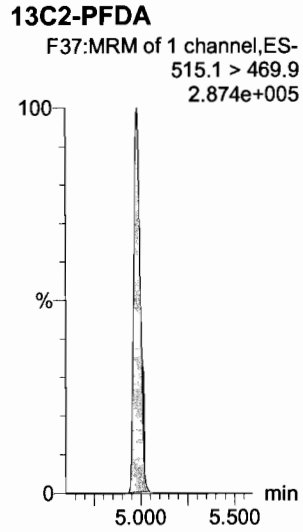

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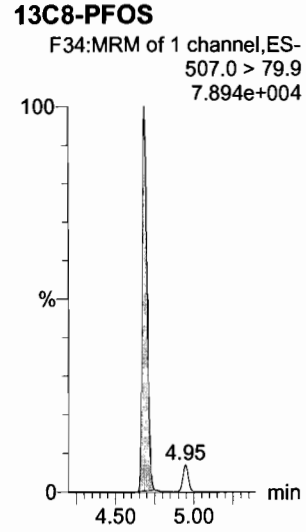

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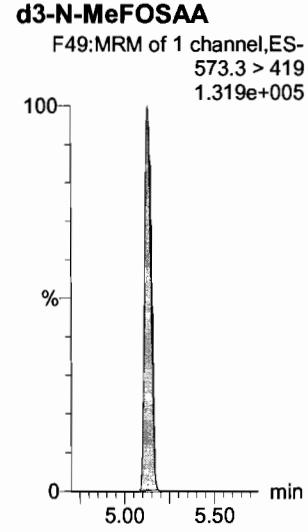

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Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_10, Date: 30-Jan-2018, Time: 13:16:34, ID: ST180130M2-9 PFC CS6 18A2403, Description: PFC CS6 18A2403

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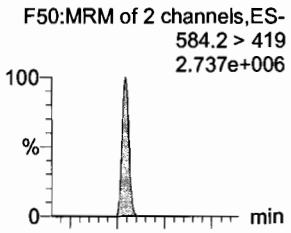

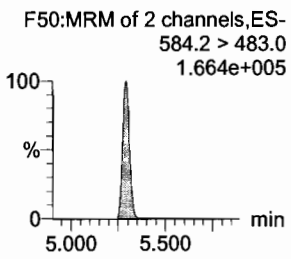

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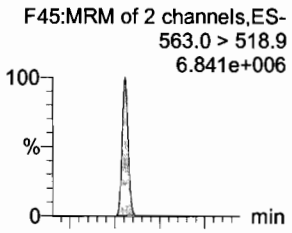

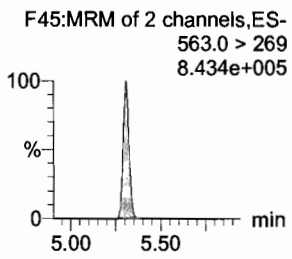

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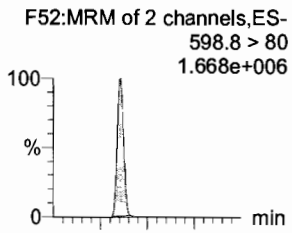

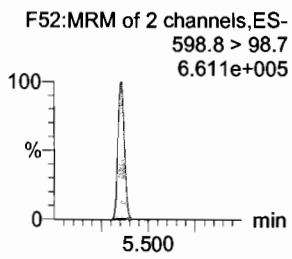

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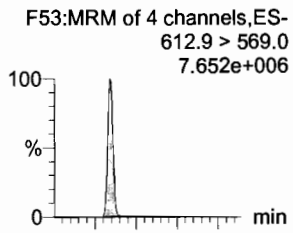

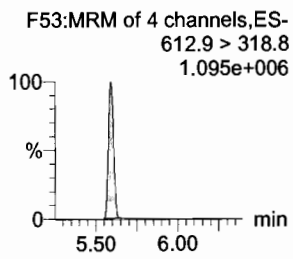

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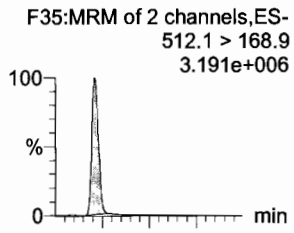

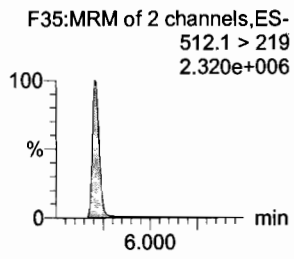

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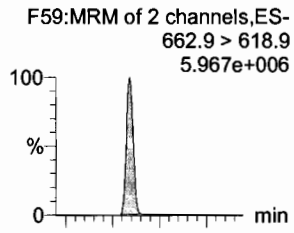

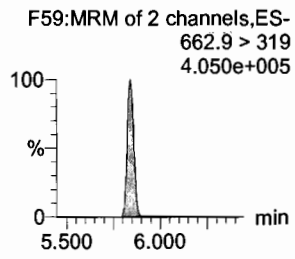

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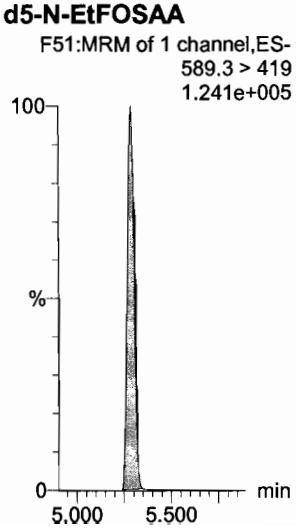

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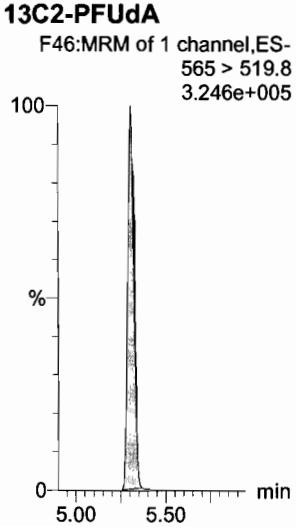

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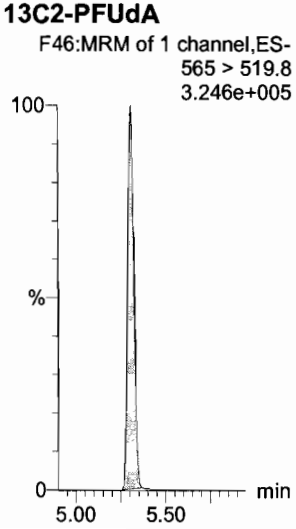

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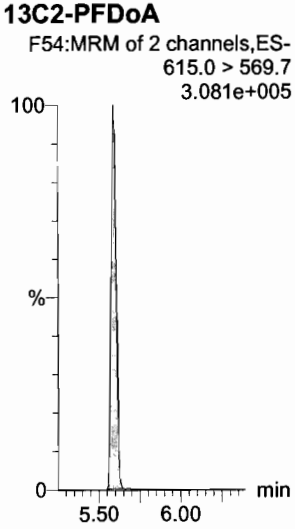

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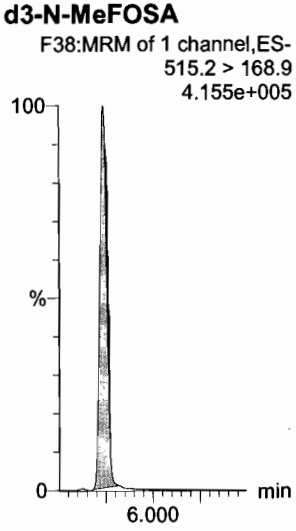

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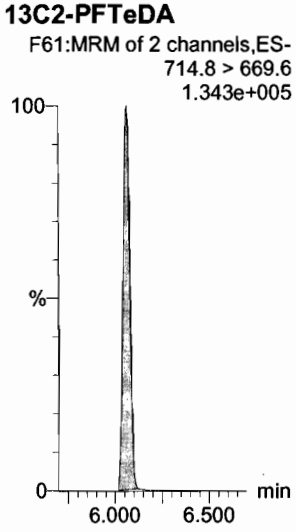

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Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_10, Date: 30-Jan-2018, Time: 13:16:34, ID: ST180130M2-9 PFC CS6 18A2403, Description: PFC CS6 18A2403

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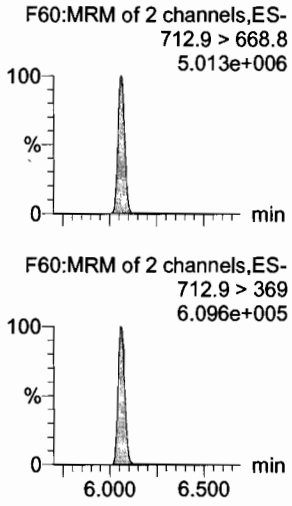

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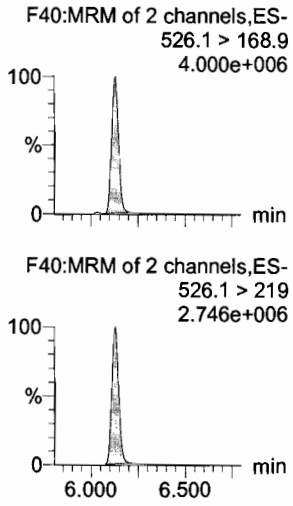

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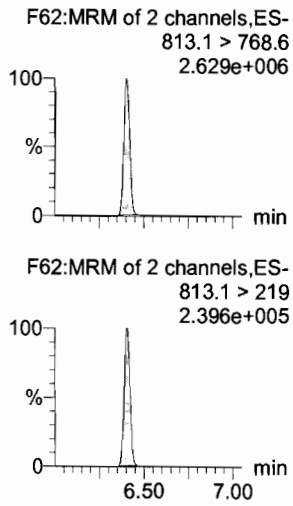

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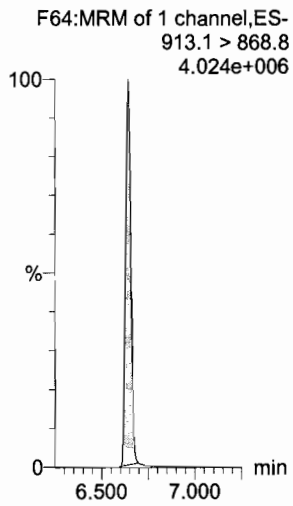

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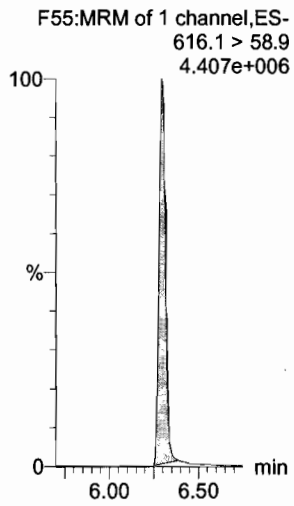

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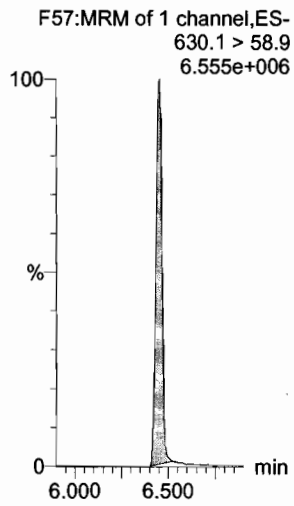

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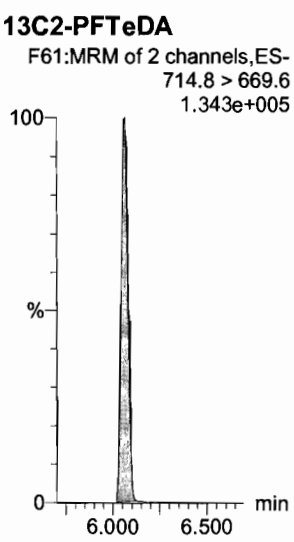

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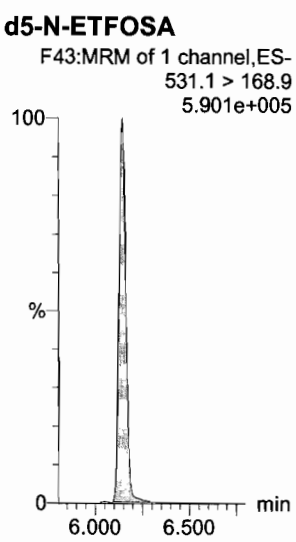

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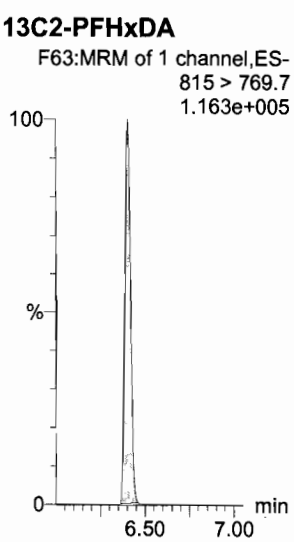

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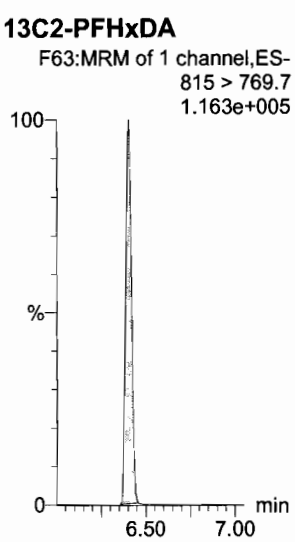

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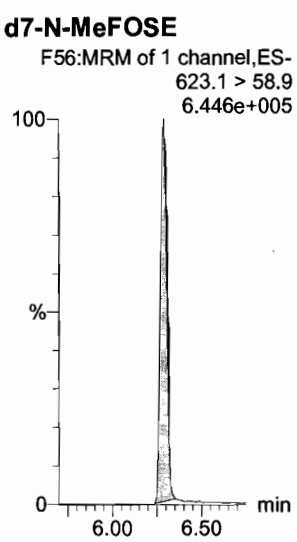

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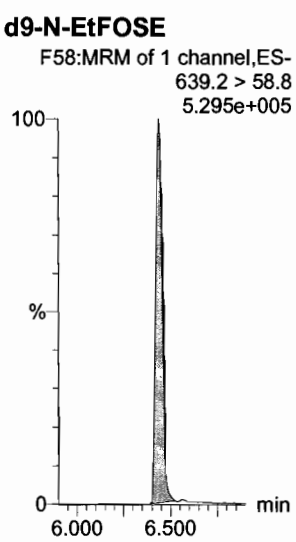

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Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_10, Date: 30-Jan-2018, Time: 13:16:34, ID: ST180130M2-9 PFC CS6 18A2403, Description: PFC CS6 18A2403

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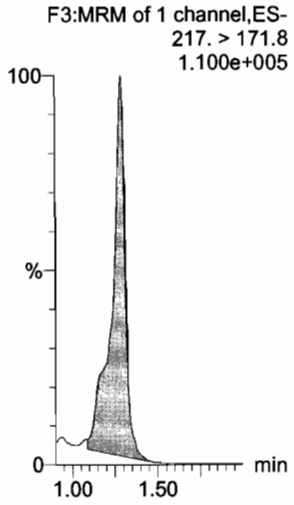

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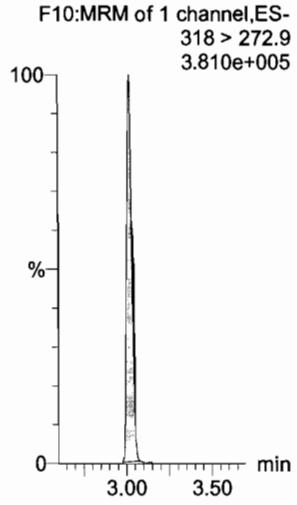

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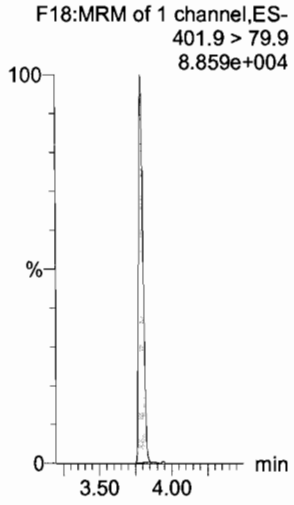

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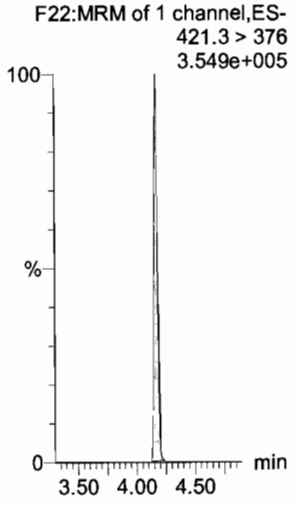
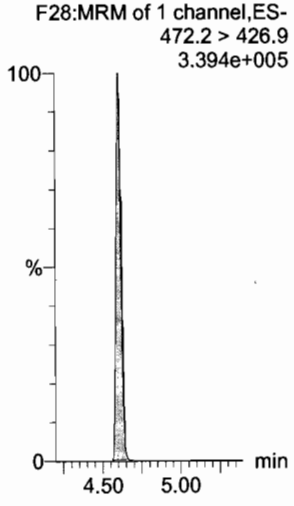
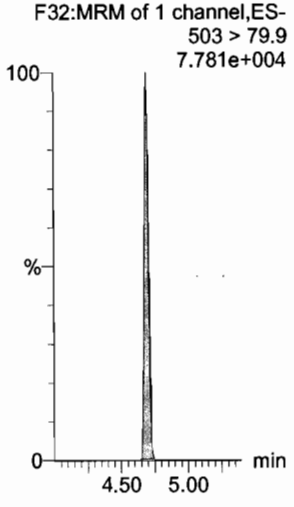


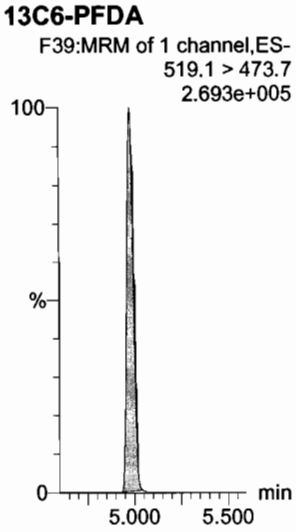
13C9-PFNA



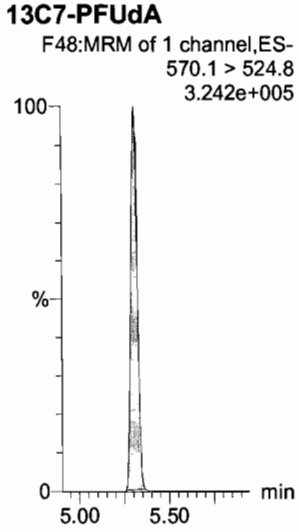
13C4-PFOS



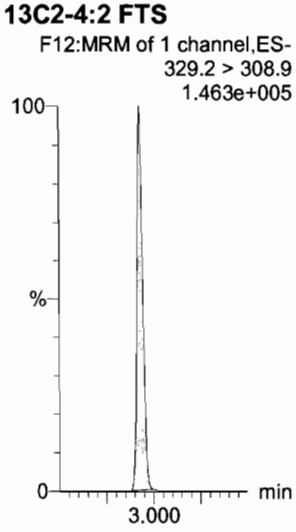
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS

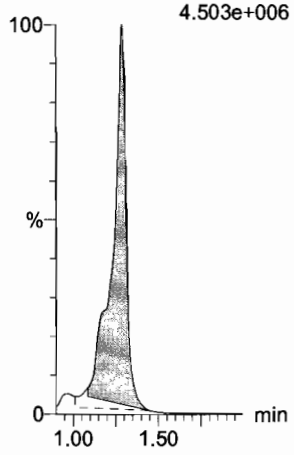


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

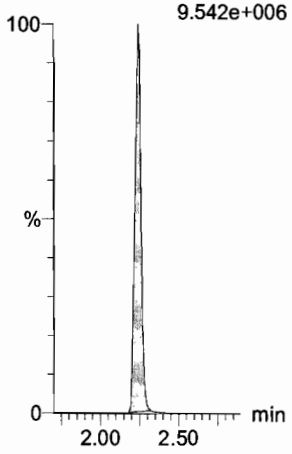
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_11, Date: 30-Jan-2018, Time: 13:28:04, ID: ST180130M2-10 PFC CS7 18A2404, Description: PFC CS7 18A2404

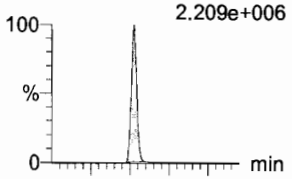
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
4.503e+006



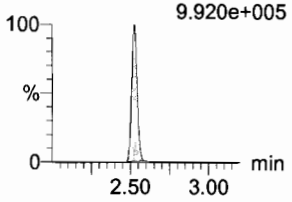
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
9.542e+006



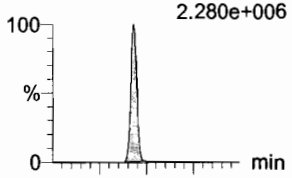
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
2.209e+006



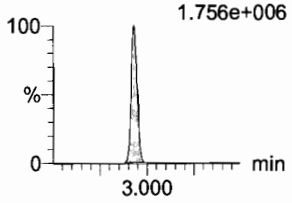
F6:MRM of 2 channels,ES-
299.0 > 99.0
9.920e+005



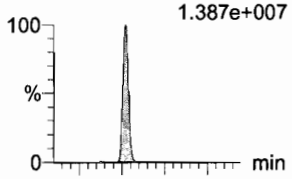
4:2 FTS
F11:MRM of 2 channels,ES-
327.2 > 307.2
2.280e+006



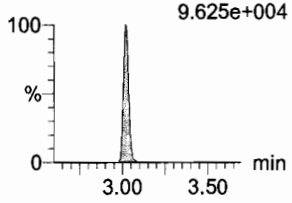
F11:MRM of 2 channels,ES-
327.2 > 81.1
1.756e+006



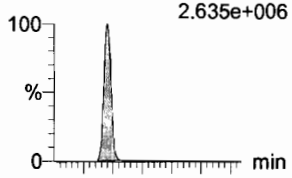
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
1.387e+007



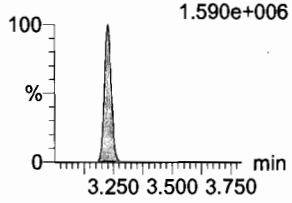
F8:MRM of 2 channels,ES-
313.2 > 119
9.625e+004



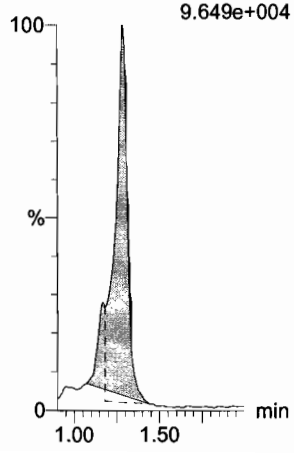
PFPeS
F14:MRM of 2 channels,ES-
349.1 > 80.1
2.635e+006



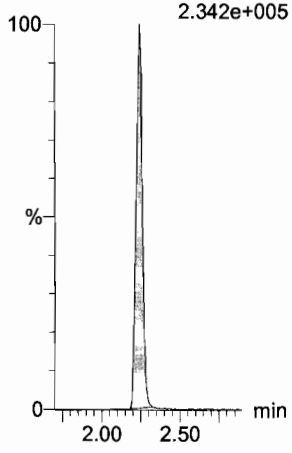
F14:MRM of 2 channels,ES-
349.1 > 99
1.590e+006



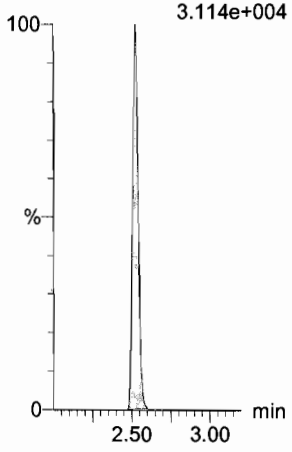
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
9.649e+004



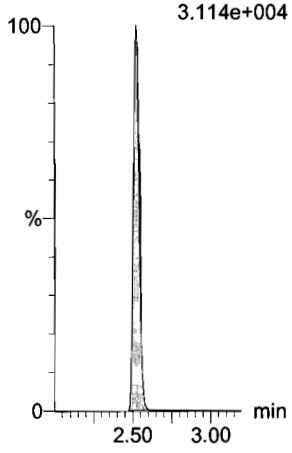
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.342e+005



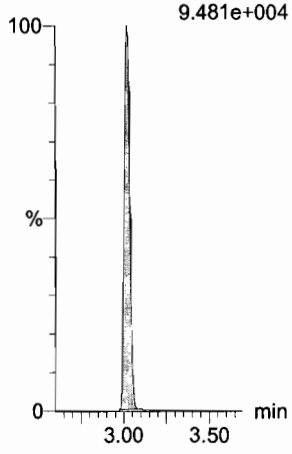
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.114e+004



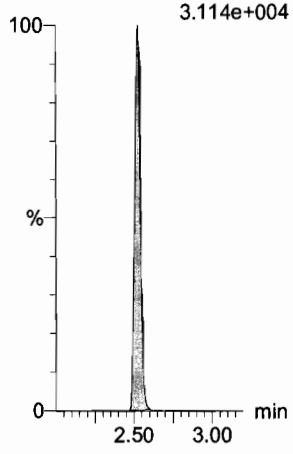
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.114e+004



13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
9.481e+004



13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.114e+004



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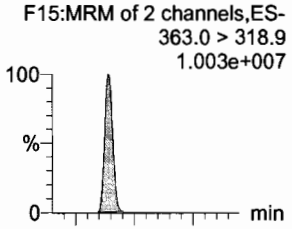
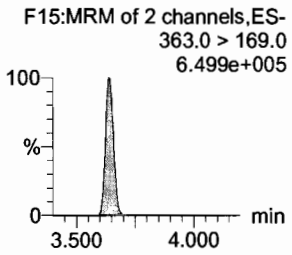
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

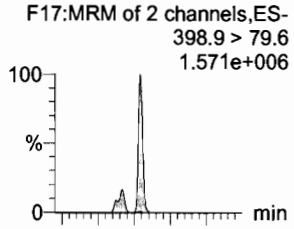
Name: 180130M2_11, Date: 30-Jan-2018, Time: 13:28:04, ID: ST180130M2-10 PFC CS7 18A2404, Description: PFC CS7 18A2404

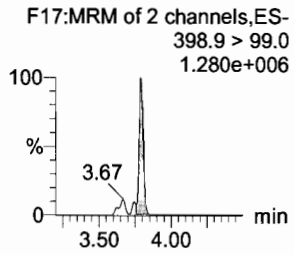
PFHpA



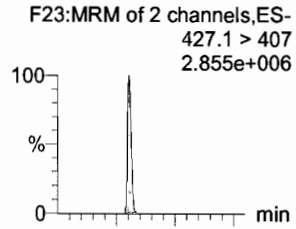


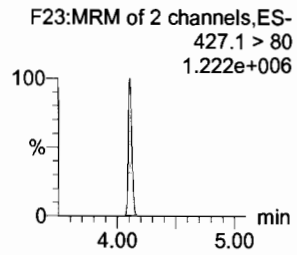
L-PFHxS



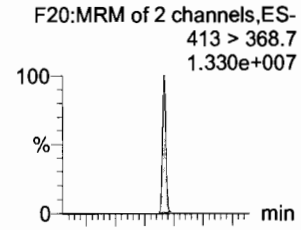


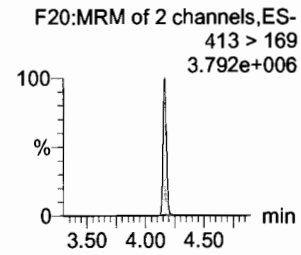
6:2 FTS



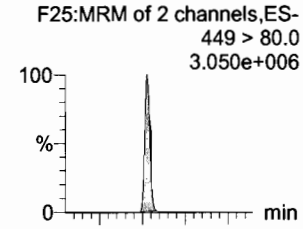


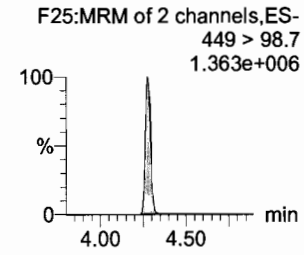
L-PFOA



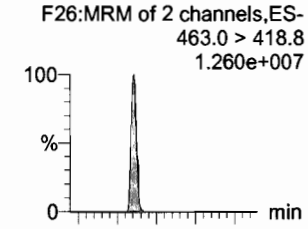


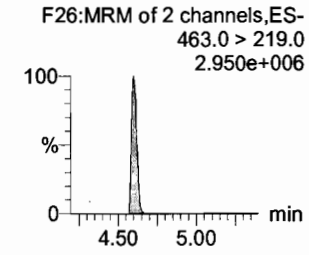
PFHpS



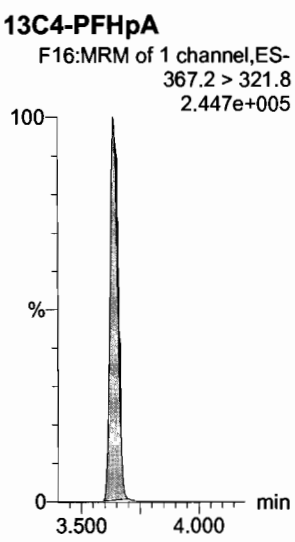


PFNA

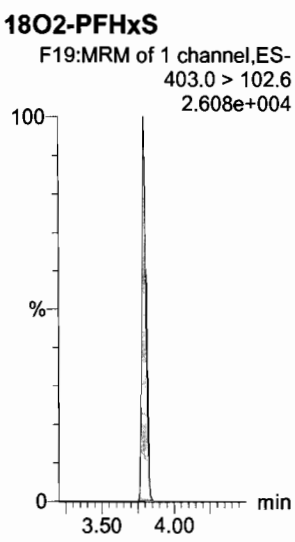




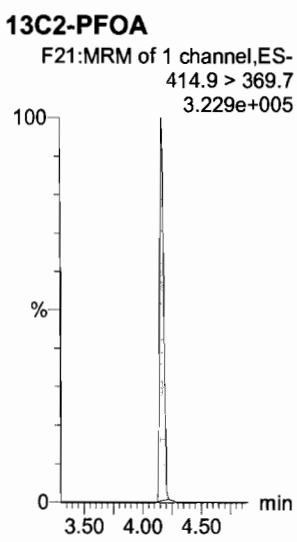
13C4-PFHpA



18O2-PFHxS



13C2-PFOA



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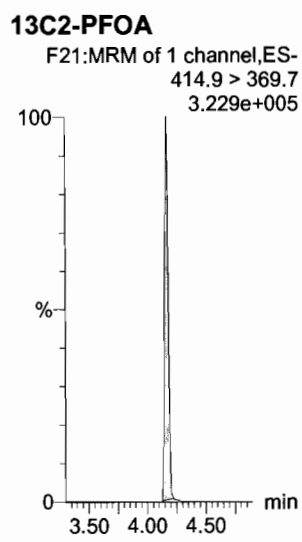
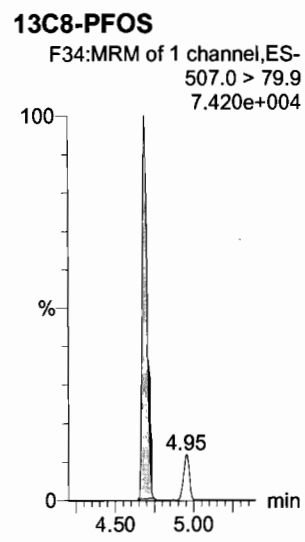
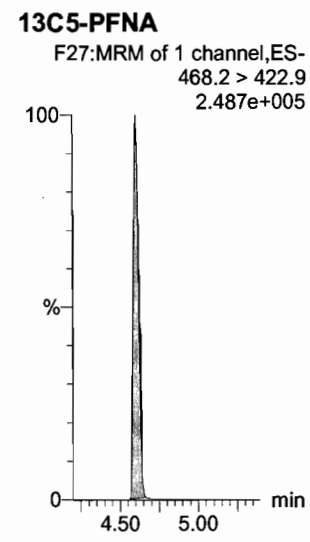


13C8-PFOS



13C5-PFNA



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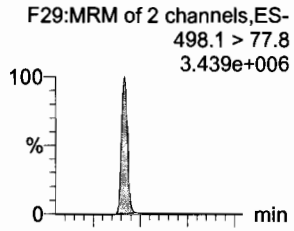
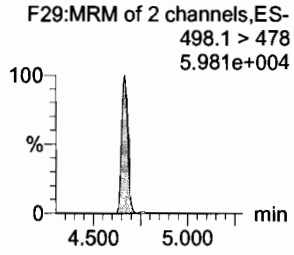
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

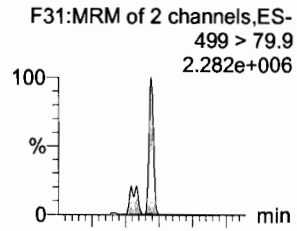
Name: 180130M2_11, Date: 30-Jan-2018, Time: 13:28:04, ID: ST180130M2-10 PFC CS7 18A2404, Description: PFC CS7 18A2404

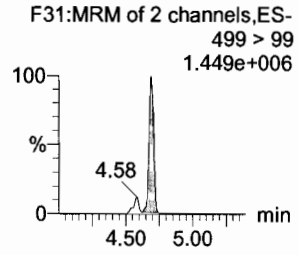
PFOSA



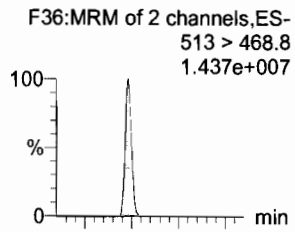


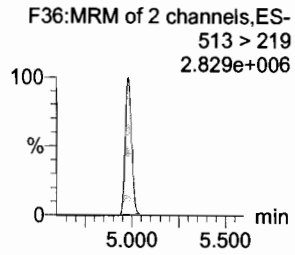
L-PFOS



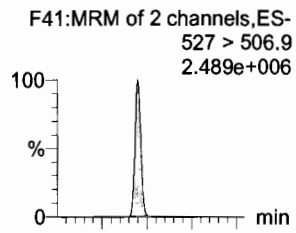


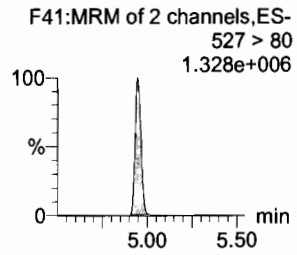
PFDA



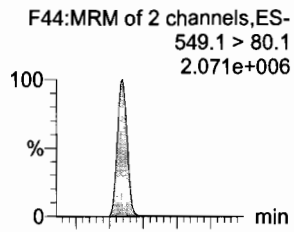


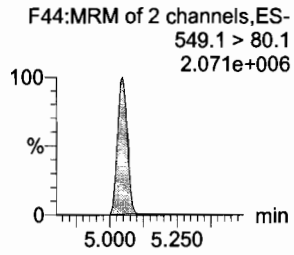
8:2 FTS



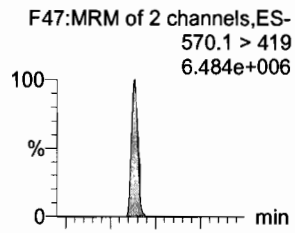


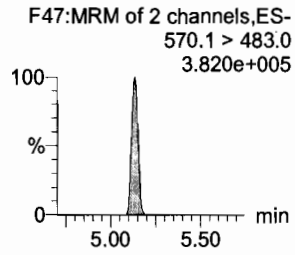
PFNS



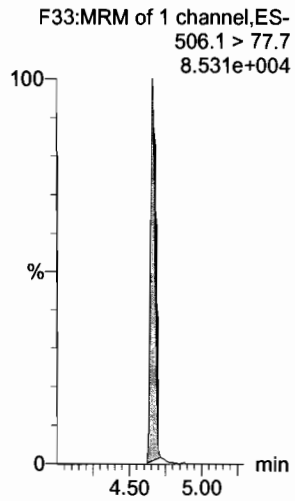


N-MeFOSAA

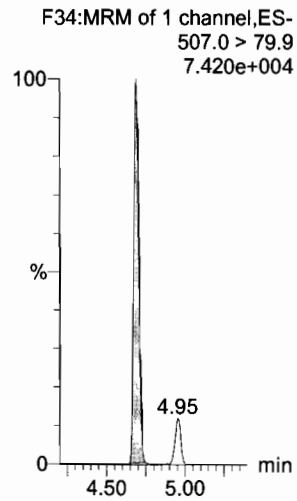




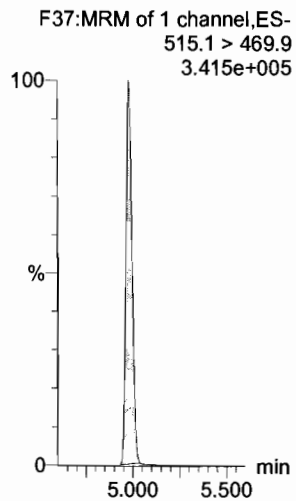
13C8-PFOSA



13C8-PFOS



13C2-PFDA



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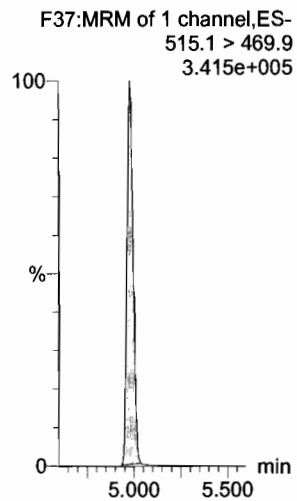
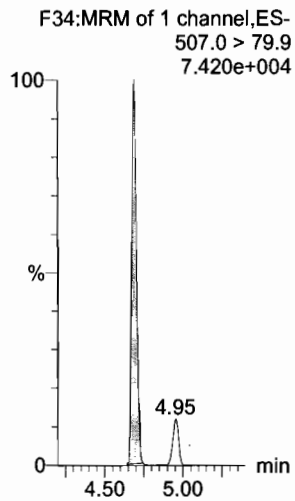
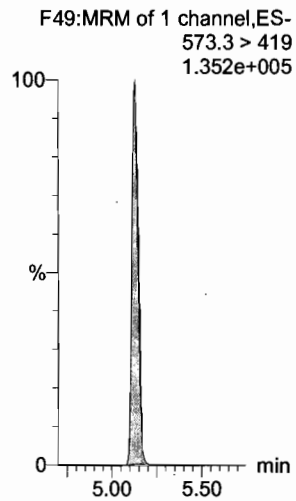


13C8-PFOS



d3-N-MeFOSAA

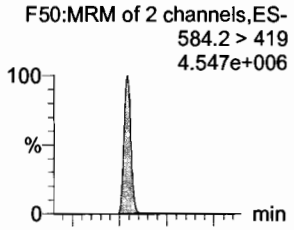


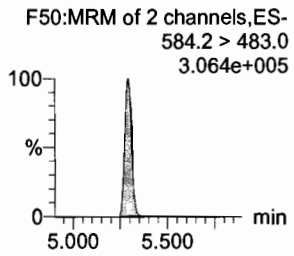
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

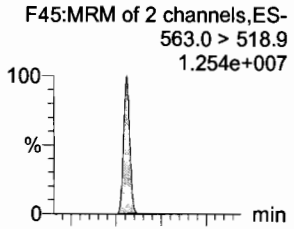
Name: 180130M2_11, Date: 30-Jan-2018, Time: 13:28:04, ID: ST180130M2-10 PFC CS7 18A2404, Description: PFC CS7 18A2404

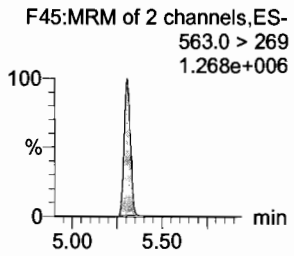
N-EtFOSAA



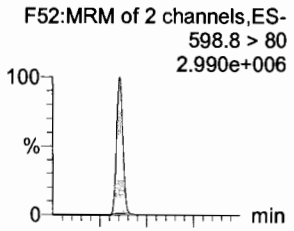


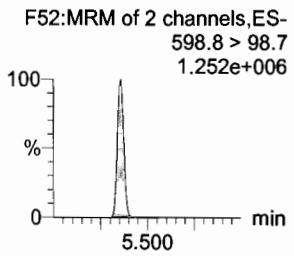
PFUdA



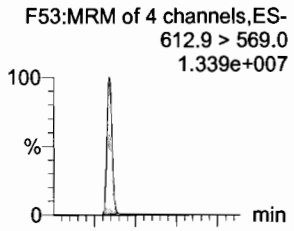


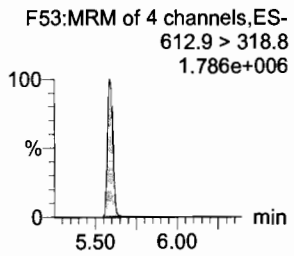
PFDS



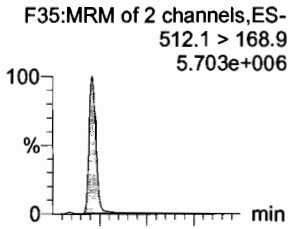


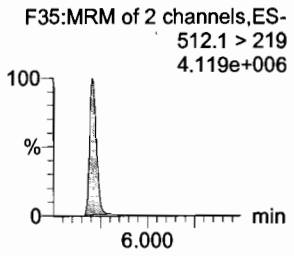
PFDoA



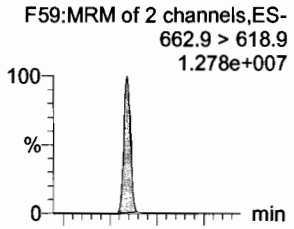


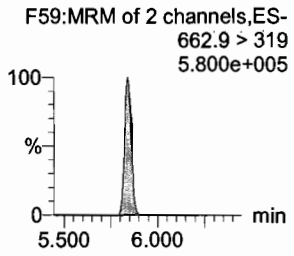
N-MeFOSA



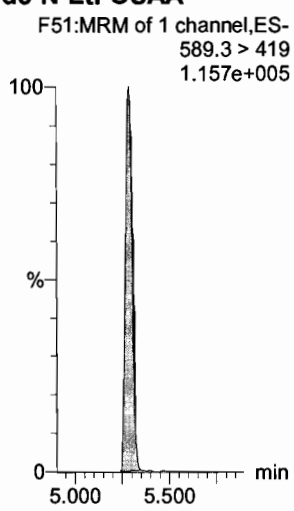


PFTrDA

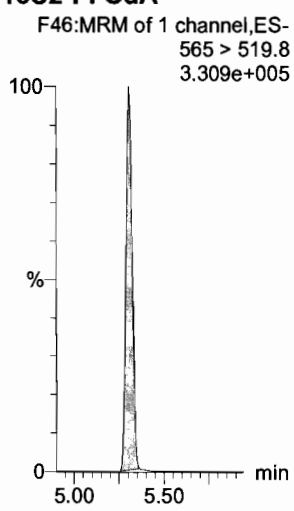




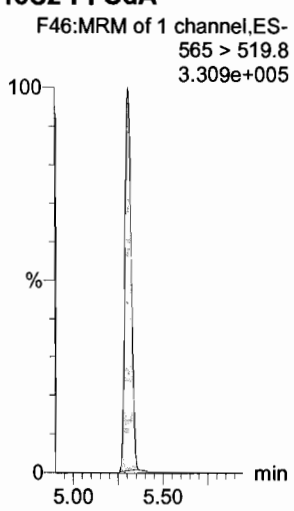
d5-N-EtFOSAA



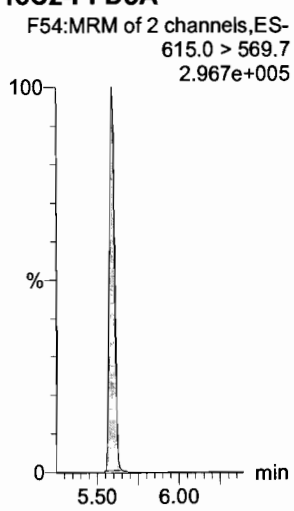
13C2-PFUdA



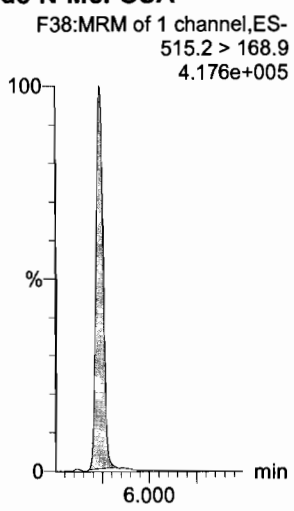
13C2-PFUdA



13C2-PFDoA



d3-N-MeFOSA



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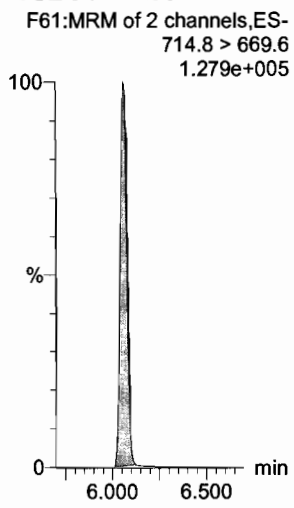
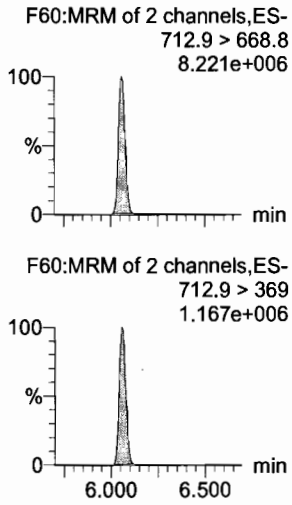


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

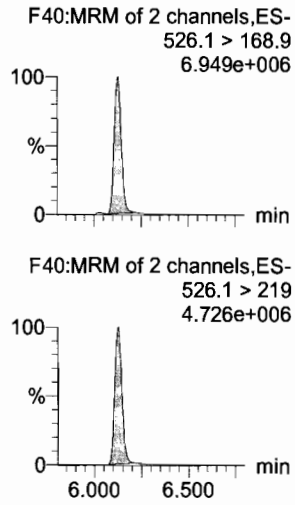
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_11, Date: 30-Jan-2018, Time: 13:28:04, ID: ST180130M2-10 PFC CS7 18A2404, Description: PFC CS7 18A2404

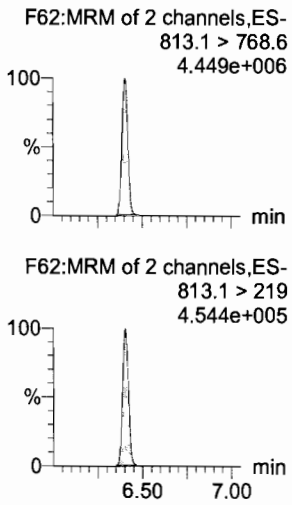
PFTeDA



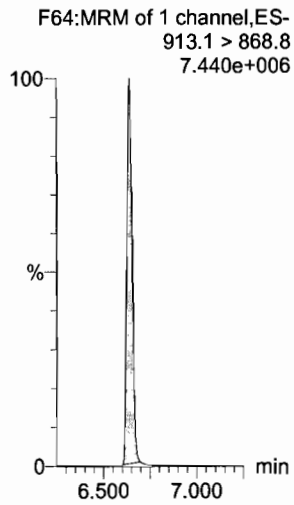
N-EtFOSA



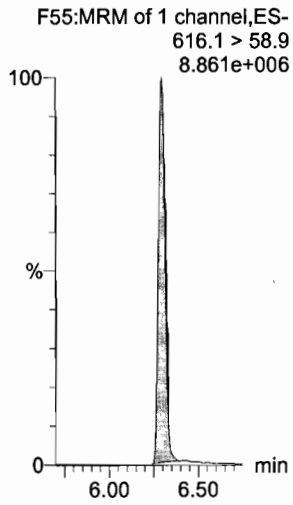
PFHxDA



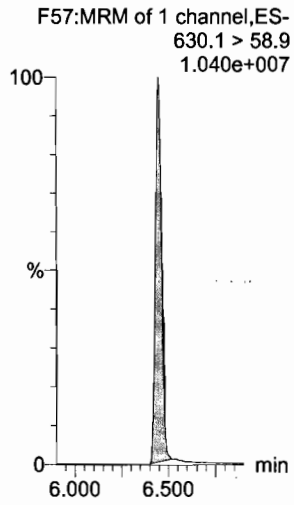
PFODA



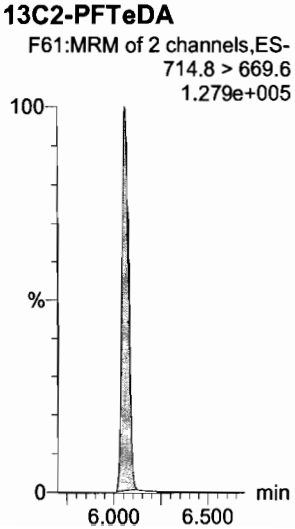
N-MeFOSE



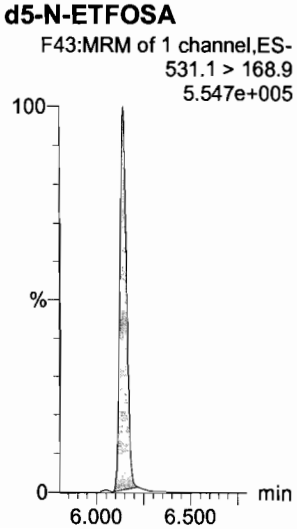
N-EtFOSE



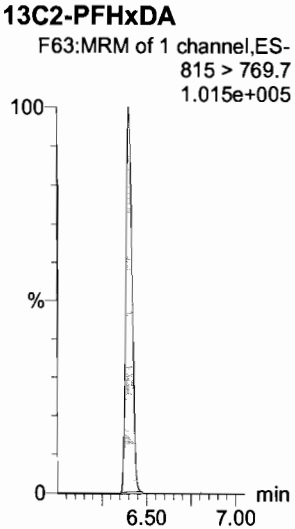
13C2-PFTeDA



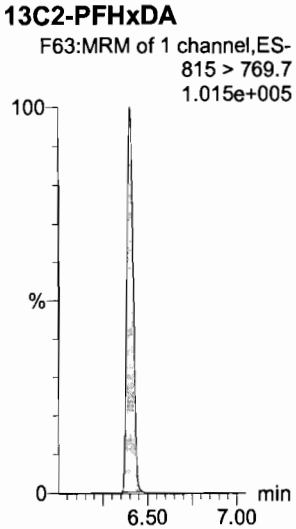
d5-N-ETFOSA



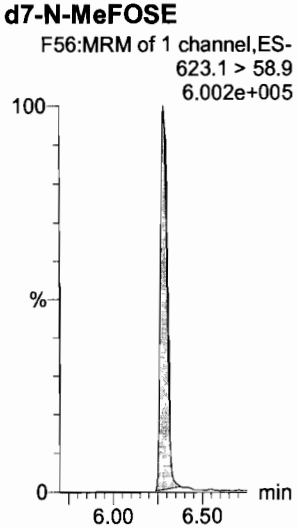
13C2-PFHxDA



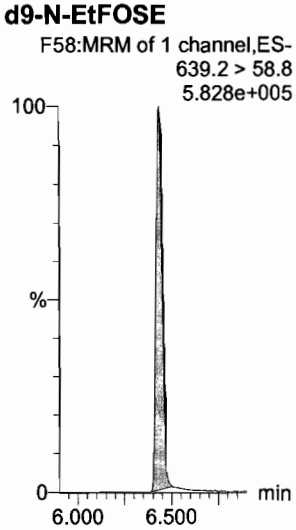
13C2-PFHxDA



d7-N-MeFOSE



d9-N-EtFOSE

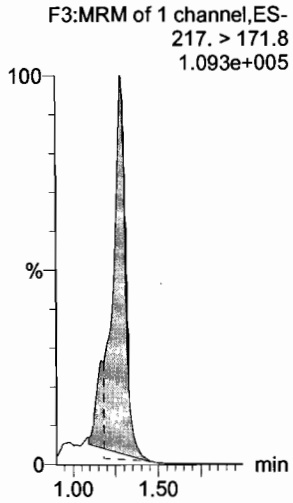


Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-CRV.qld

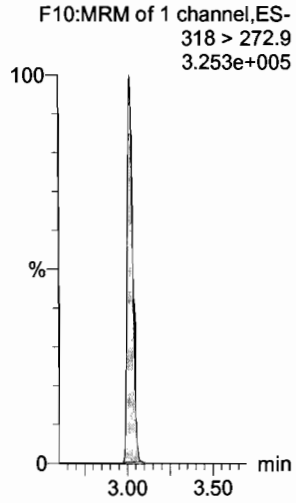
Last Altered: Wednesday, January 31, 2018 09:35:15 Pacific Standard Time
Printed: Wednesday, January 31, 2018 09:51:48 Pacific Standard Time

Name: 180130M2_11, Date: 30-Jan-2018, Time: 13:28:04, ID: ST180130M2-10 PFC CS7 18A2404, Description: PFC CS7 18A2404

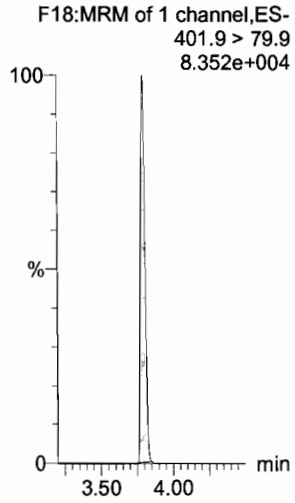
13C4-PFBA



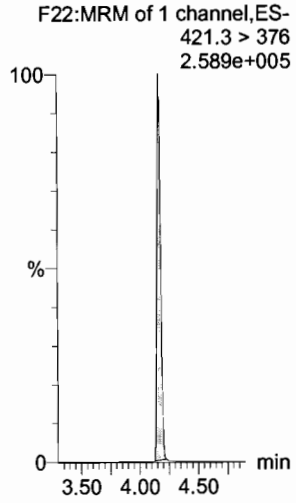
13C5-PFHxA



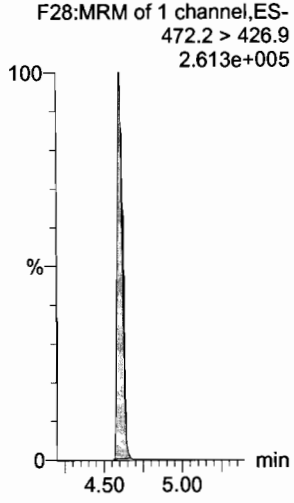
13C3-PFHxS



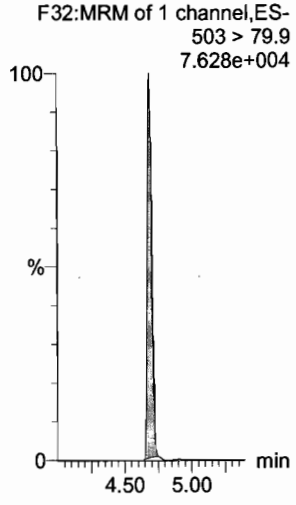
13C8-PFOA



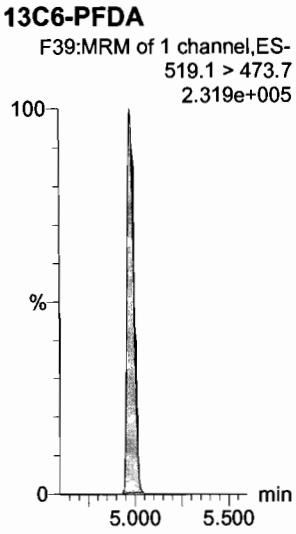
13C9-PFNA



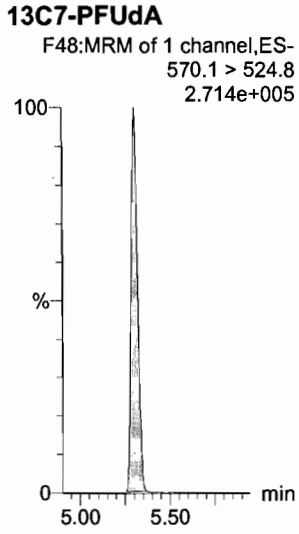
13C4-PFOS



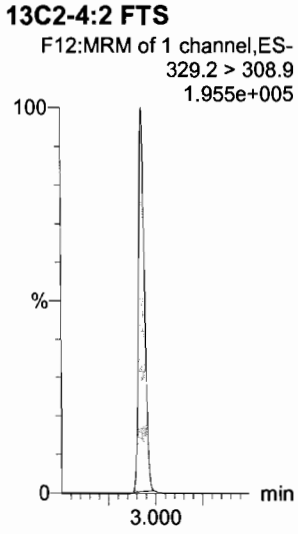
13C6-PFDA



13C7-PFUdA



13C2-4:2 FTS



Vista Analytical Laboratory

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-13.qld

Last Altered: Wednesday, January 31, 2018 10:21:58 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:28:05 Pacific Standard Time

(A) No SS available.

AC 1/31/18

✓ JA. 01/31/2018

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

	#	Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
1	1	PFBA	213.0 > 168.8	6.17e3	7.16e3		1.0000	1.29	1.29	10.8	9.289	92.9
2	2	PFPeA	263.1 > 218.9	9.33e3	1.18e4		1.0000	2.27	2.25	9.91	9.783	97.8
3	3	PFBS	299.0 > 79.7	1.91e3	1.52e3		1.0000	2.56	2.52	15.7	8.720	87.2
4	4	4:2 FTS	327.2>307.2	2.44e3	1.52e3		1.0000	2.93	2.93	20.1	10.83	108.3
5	5	PFHxA	313.2 > 268.9	1.29e4	4.05e3		1.0000	3.05	3.02	15.9	9.864	98.6
6	6	PFPeS	349.1>80.1	2.36e3	1.52e3		1.0000	3.23	3.23	19.4	9.994	99.9
7	7	PFHpA	363.0 > 318.9	1.06e4	1.03e4		1.0000	3.68	3.64	12.9	10.85	108.5
8	8	L-PFHxS	398.9 > 79.6	1.42e3	1.11e3		1.0000	3.80	3.80	15.9	8.576	85.8
9	10	6:2 FTS	427.1 > 407	2.60e3	1.42e4		1.0000	4.15	4.11	2.28	9.839	98.4
10	11	L-PFOA	413 > 368.7	1.12e4	1.42e4		1.0000	4.20	4.17	9.82	9.300	93.0
11	13	PFHpS	449 > 80.0	2.37e3	3.19e3		1.0000	4.30	4.28	9.30	9.228	92.3
12	14	PFNA	463.0 > 418.8	1.25e4	1.29e4		1.0000	4.65	4.61	12.2	9.799	98.0
13	15	PFOSA	498.1 > 77.8	3.04e3	3.14e3		1.0000	4.70	4.67	12.1	11.07	110.7
14	16	L-PFOS	499 > 79.9	2.50e3	3.19e3		1.0000	4.75	4.69	9.81	9.205	92.0
15	18	PFDA	513 > 468.8	1.32e4	1.21e4		1.0000	5.03	4.98	13.6	10.47	104.7
16	19	8:2 FTS	527 > 506.9	2.27e3	1.21e4		1.0000	5.00	4.95	2.35	9.494	94.9
17	20	PFNS	549.1>80.1		3.19e3							(A)
18	21	N-MeFOSAA	570.1 > 419	6.65e3	6.01e3		1.0000	5.20	5.14	13.8	8.833	88.3
19	22	N-EtFOSAA	584.2 > 419	5.26e3	5.21e3		1.0000	5.30	5.29	12.6	11.51	115.1
20	23	PFUdA	563.0 > 518.9	1.26e4	1.24e4		1.0000	5.36	5.31	12.7	10.78	107.8
21	24	PFDS	598.8 > 80	2.94e3	1.24e4		1.0000	5.40	5.36	2.96	10.93	109.3
22	25	PFDoA	612.9 > 569.0	1.22e4	9.05e3		1.0000	5.65	5.59	16.9	11.37	113.7
23	26	N-MeFOSA	512.1 > 168.9		1.73e4		1.0000	5.70				(A)
24	27	PFTrDA	662.9 > 618.9	1.16e4	4.31e3		1.0000	5.90	5.84	33.8	8.979	89.8
25	28	PFTeDA	712.9 > 668.8	7.46e3	4.31e3		1.0000	6.12	6.06	21.7	9.360	93.6
26	29	N-EtFOSA	526.1 > 168.9		2.66e4		1.0000	6.12				(A)
27	30	PFHxDA	813.1 > 768.6		3.02e3		1.0000	6.46				
28	31	PFODA	913.1 > 868.8		3.02e3		1.0000	6.70				
29	32	N-MeFOSE	616.1 > 58.9		2.22e4		1.0000	6.31				
30	33	N-EtFOSE	630.1 > 58.9		1.85e4		1.0000	6.45				
31	34	13C3-PFBA	216.1 > 171.8	7.16e3	8.08e3	0.842	1.0000	1.30	1.29	11.1	13.16	105

70-130

Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-13.qld

Last Altered: Wednesday, January 31, 2018 10:21:58 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:28:05 Pacific Standard Time

Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

	#	Name	Trace	Area	IS Area	RRF	Divisor1	Pred.RT	RT	y Axis Resp.	Conc.	%Rec
32	35	13C3-PFPeA	266. > 221.8	1.18e4	1.50e4	0.870	1.0000	2.27	2.25	9.78	11.23	89.9
33	36	13C3-PFBS	302. > 98.8	1.52e3	1.50e4	0.109	1.0000	2.56	2.53	1.26	11.57	92.5
34	37	13C2-PFHxA	315 > 269.8	4.05e3	1.50e4	0.684	1.0000	3.05	3.02	3.37	4.922	98.4
35	38	13C4-PFHpA	367.2 > 321.8	1.03e4	1.50e4	0.732	1.0000	3.68	3.64	8.54	11.67	93.3
36	39	18O2-PFHxS	403.0 > 102.6	1.11e3	3.19e3	0.318	1.0000	3.80	3.80	4.35	13.67	109.4
37	40	13C2-6:2 FTS	429.1 > 408.9	3.29e3	1.27e4	0.263	1.0000	4.15	4.11	3.23	12.27	98.2
38	41	13C2-PFOA	414.9 > 369.7	1.42e4	1.27e4	1.120	1.0000	4.20	4.17	14.0	12.49	99.9
39	42	13C5-PFNA	468.2 > 422.9	1.29e4	1.45e4	0.921	1.0000	4.65	4.61	11.1	12.08	96.6
40	43	13C8-PFOSA	506.1 > 77.7	3.14e3	1.35e4	0.245	1.0000	4.70	4.67	2.90	11.86	94.9
41	44	13C8-PFOS	507.0 > 79.9	3.19e3	3.20e3	1.034	1.0000	4.75	4.69	12.5	12.07	96.5
42	45	13C2-PFDA	515.1 > 469.9	1.21e4	1.10e4	1.080	1.0000	5.03	4.98	13.7	12.70	101.6
43	46	13C2-8:2 FTS	529.1 > 508.7	2.03e3	1.50e4	0.165	1.0000	5.00	4.95	1.68	10.22	81.7
44	47	d3-N-MeFOSAA	573.3 > 419	6.01e3	1.35e4	0.398	1.0000	5.20	5.13	5.55	13.96	111.7
45	48	d5-N-EtFOSAA	589.3 > 419	5.21e3	1.35e4	0.425	1.0000	5.30	5.29	4.81	11.32	90.6
46	49	13C2-PFUdA	565 > 519.8	1.24e4	1.35e4	1.047	1.0000	5.36	5.31	11.5	10.95	87.6
47	50	13C2-PFDoA	615.0 > 569.7	9.05e3	1.35e4	0.805	1.0000	5.65	5.59	8.35	10.37	83.0
48	51	d3-N-MeFOSA	515.2 > 168.9	1.73e4	1.35e4	0.104	1.0000	5.70	5.74	16.0	154.6	103.0
49	52	13C2-PFTeDA	714.8 > 669.6	4.31e3	1.35e4	0.367	1.0000	6.12	6.06	3.98	10.84	86.7
50	53	d5-N-ETFOSA	531.1 > 168.9	2.66e4	1.35e4	0.155	1.0000	6.25	6.15	24.6	158.9	106.0
51	54	13C2-PFHxDA	815 > 769.7	3.02e3	1.35e4	0.721	1.0000	6.46	6.41	2.79	3.868	77.4
52	55	d7-N-MeFOSE	623.1 > 58.9	2.22e4	1.35e4	0.143	1.0000	6.31	6.29	20.5	144.1	96.1
53	56	d9-N-EtFOSE	639.2 > 58.8	1.85e4	1.35e4	0.133	1.0000	6.12	6.44	17.1	128.7	85.8
54	57	13C4-PFBA	217. > 171.8	8.08e3	8.08e3	1.000	1.0000	1.30	1.29	12.5	12.50	100.0
55	58	13C5-PFHxA	318 > 272.9	1.50e4	1.50e4	1.000	1.0000	3.05	3.02	12.5	12.50	100.0
56	59	13C3-PFHxS	401.9 > 79.9	3.19e3	3.19e3	1.000	1.0000	3.80	3.79	12.5	12.50	100.0
57	60	13C8-PFOA	421.3 > 376	1.27e4	1.27e4	1.000	1.0000	4.20	4.16	12.5	12.50	100.0
58	61	13C9-PFNA	472.2 > 426.9	1.45e4	1.45e4	1.000	1.0000	4.65	4.61	12.5	12.50	100.0
59	62	13C4-PFOS	503 > 79.9	3.20e3	3.20e3	1.000	1.0000	4.60	4.69	12.5	12.50	100.0
60	63	13C6-PFDA	519.1 > 473.7	1.10e4	1.10e4	1.000	1.0000	5.03	4.98	12.5	12.50	100.0
61	64	13C7-PFUdA	570.1 > 524.8	1.35e4	1.35e4	1.000	1.0000	5.36	5.31	12.5	12.50	100.0
62	72	13C2-4:2 FTS	329.2>308.9	3.54e3	1.50e4	0.275	1.0000	2.93	2.93	2.95	10.72	85.7

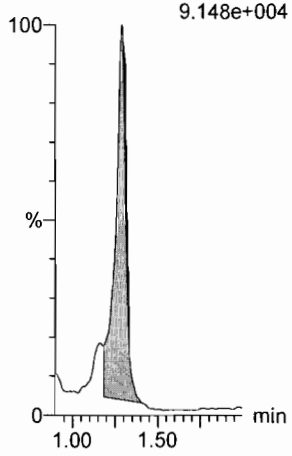
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-13.qld

Last Altered: Wednesday, January 31, 2018 10:21:58 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:28:05 Pacific Standard Time

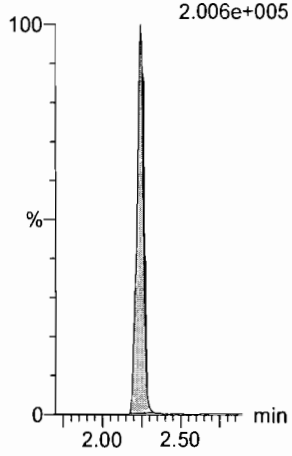
Method: F:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_013018.mdb 31 Jan 2018 09:53:30
Calibration: F:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_01-30-18-FULL.cdb 31 Jan 2018 09:33:43

Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

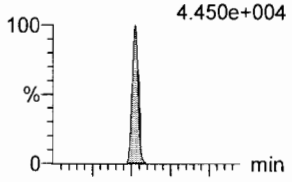
PFBA
F1:MRM of 1 channel,ES-
213.0 > 168.8
9.148e+004



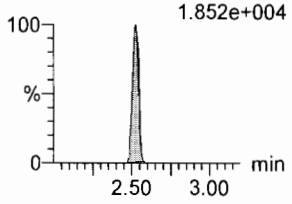
PFPeA
F4:MRM of 1 channel,ES-
263.1 > 218.9
2.006e+005



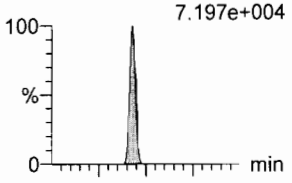
PFBS
F6:MRM of 2 channels,ES-
299.0 > 79.7
4.450e+004



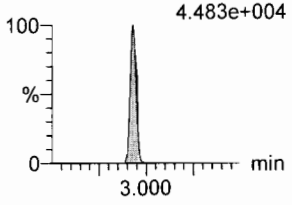
F6:MRM of 2 channels,ES-
299.0 > 99.0
1.852e+004



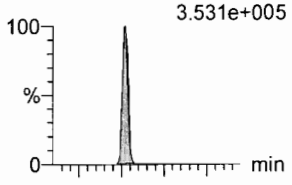
4:2 FTS
F11:MRM of 2 channels,ES-
327.2 > 307.2
7.197e+004



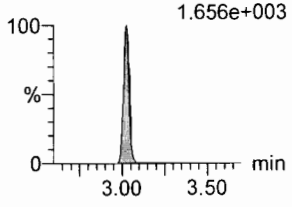
F11:MRM of 2 channels,ES-
327.2 > 81.1
4.483e+004



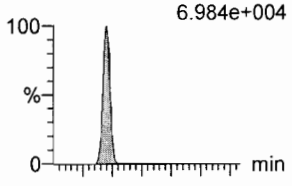
PFHxA
F8:MRM of 2 channels,ES-
313.2 > 268.9
3.531e+005



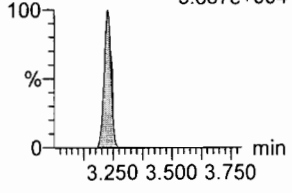
F8:MRM of 2 channels,ES-
313.2 > 119
1.656e+003



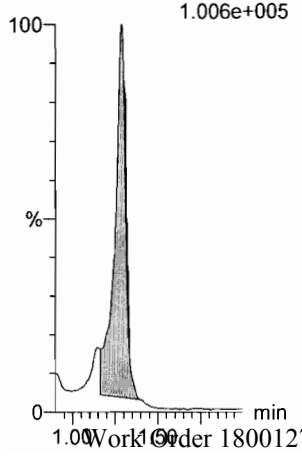
PFPeS
F14:MRM of 2 channels,ES-
349.1 > 80.1
6.984e+004



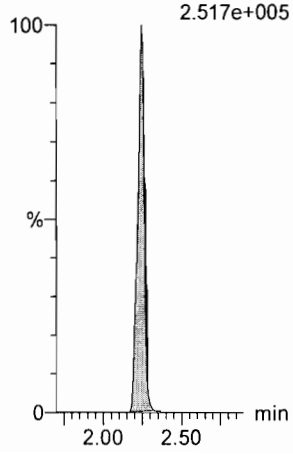
F14:MRM of 2 channels,ES-
349.1 > 99
3.867e+004



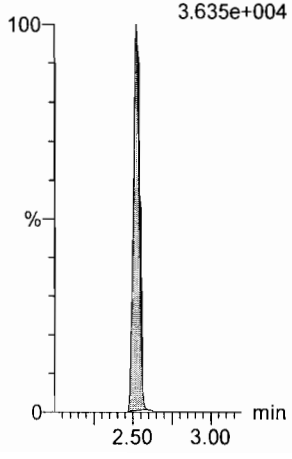
13C3-PFBA
F2:MRM of 1 channel,ES-
216.1 > 171.8
1.006e+005



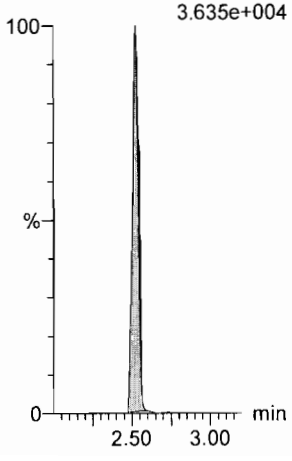
13C3-PFPeA
F5:MRM of 1 channel,ES-
266. > 221.8
2.517e+005



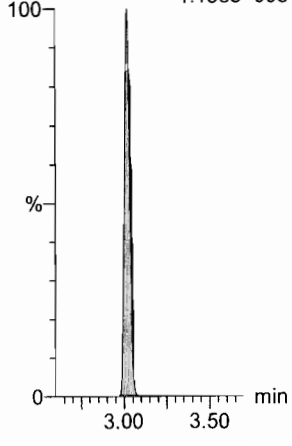
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.635e+004



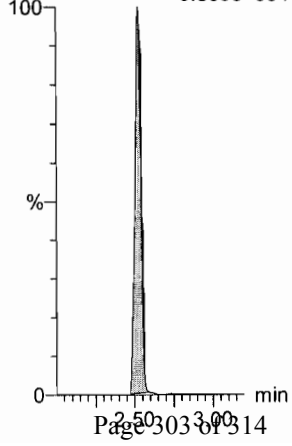
13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.635e+004



13C2-PFHxA
F9:MRM of 1 channel,ES-
315 > 269.8
1.136e+005



13C3-PFBS
F7:MRM of 1 channel,ES-
302. > 98.8
3.635e+004



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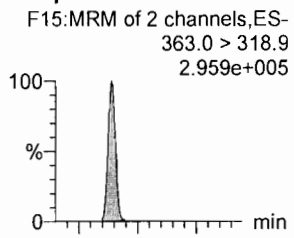
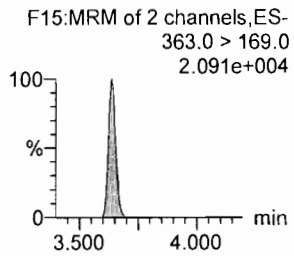
Last Altered: Wednesday, January 31, 2018 10:21:58 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:28:05 Pacific Standard Time

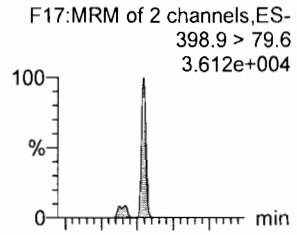
Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

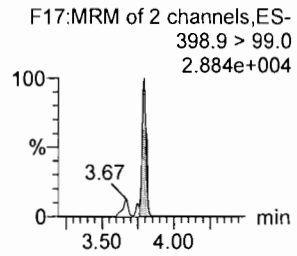
PFHpA



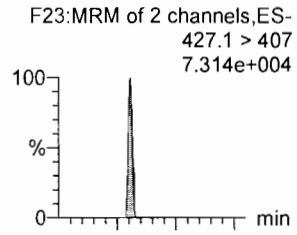


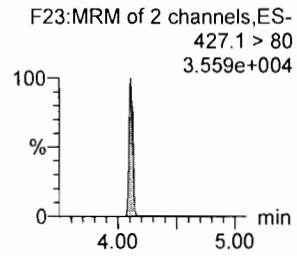
L-PFHxS



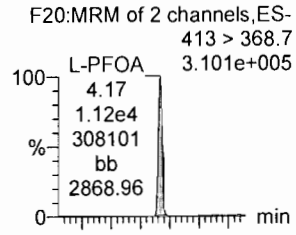


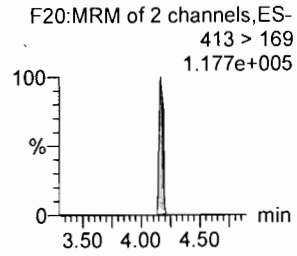
6:2 FTS



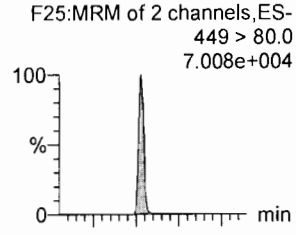


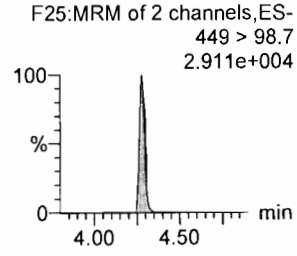
L-PFOA



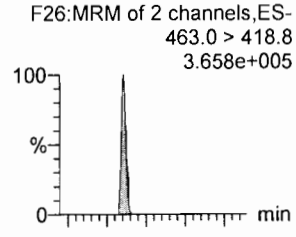


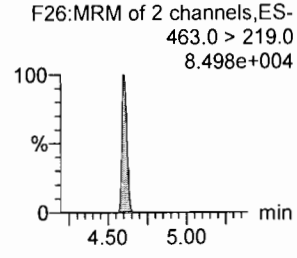
PFHpS



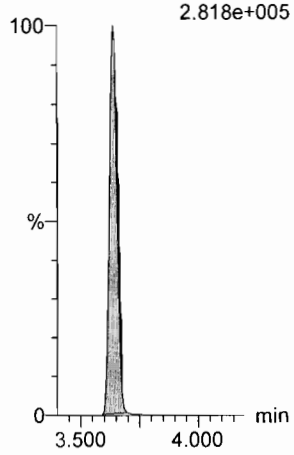


PFNA

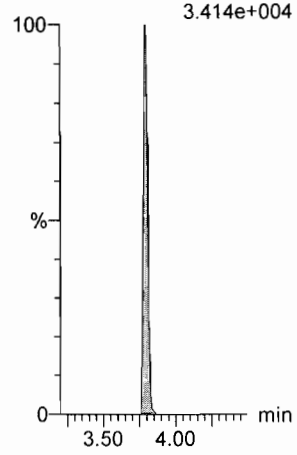




13C4-PFHpA



18O2-PFHxS



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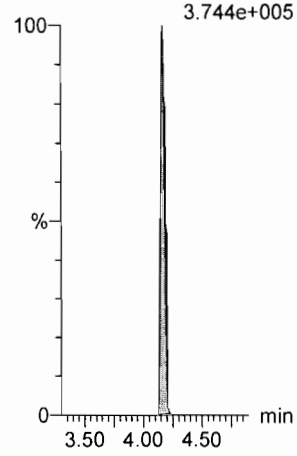

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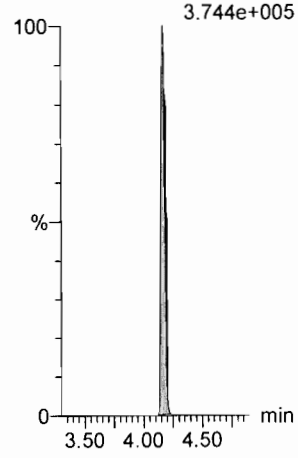
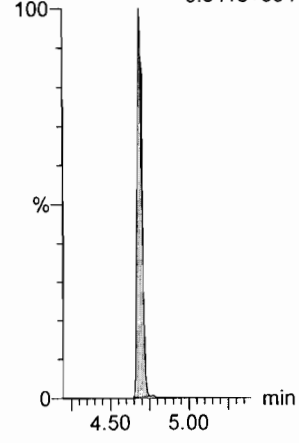
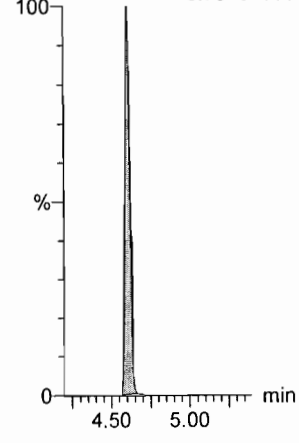


13C8-PFOS



13C5-PFNA

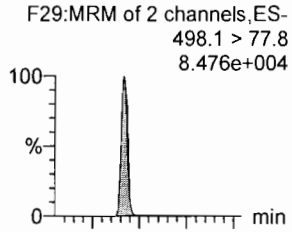


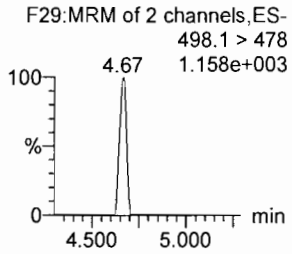
Dataset: F:\Projects\PFAS.PRO\Results\180130M2\180130M2-13.qld

Last Altered: Wednesday, January 31, 2018 10:21:58 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:28:05 Pacific Standard Time

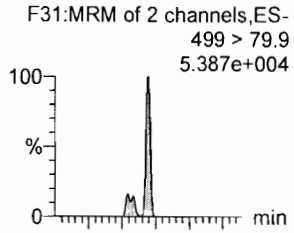
Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

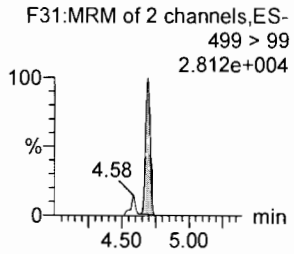
PFOSA





L-PFOS





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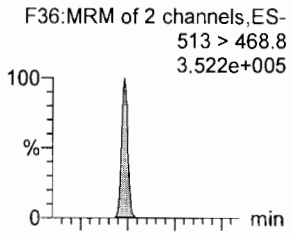
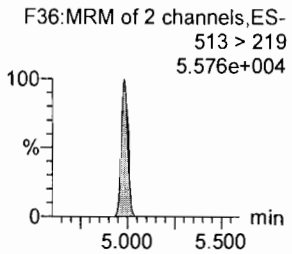
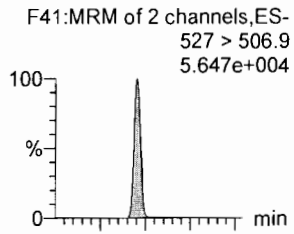
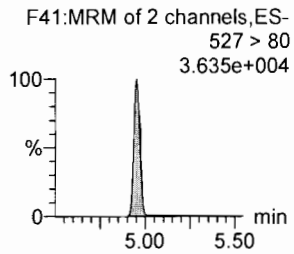




8:2 FTS





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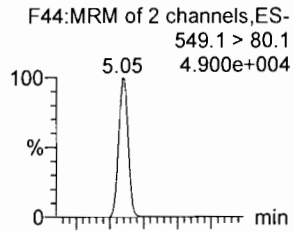

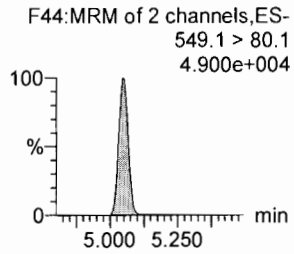

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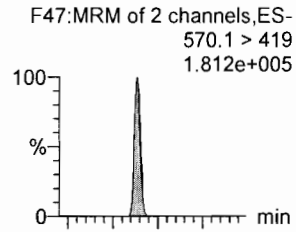

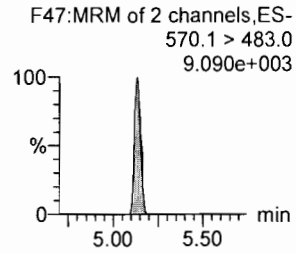

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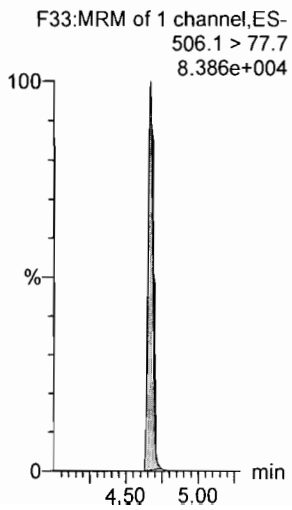

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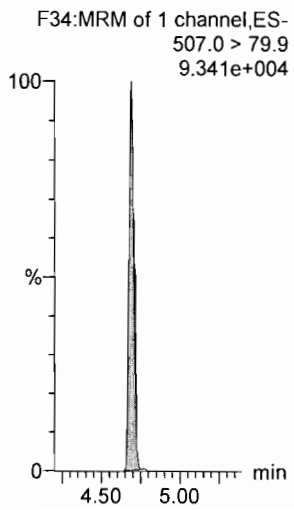

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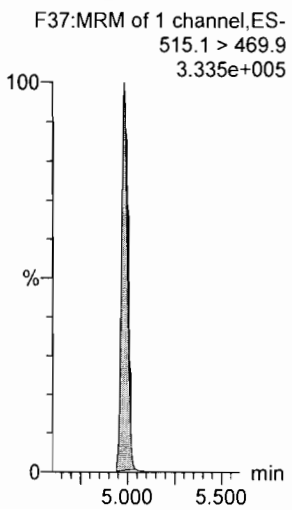

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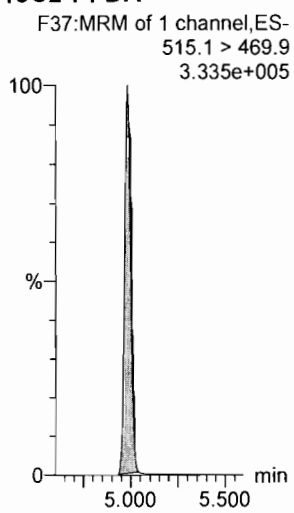

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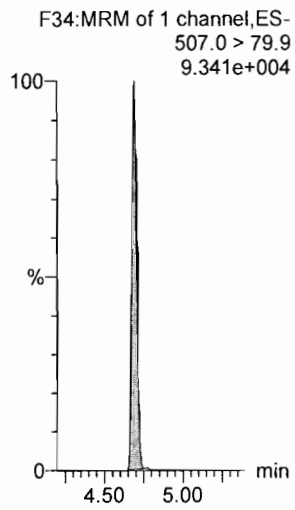

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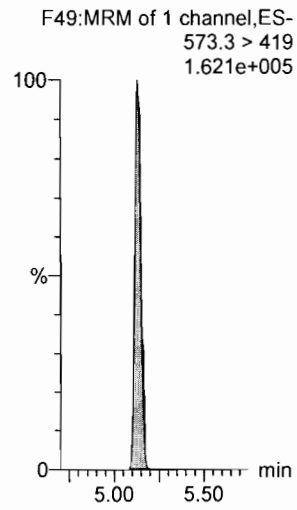

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Last Altered: Wednesday, January 31, 2018 10:21:58 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:28:05 Pacific Standard Time

Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

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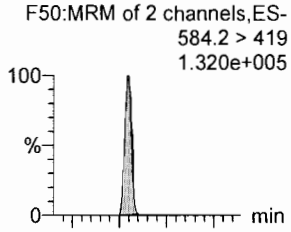
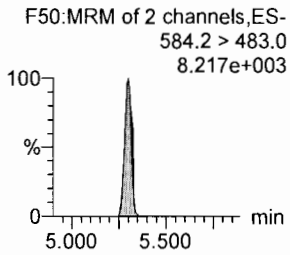
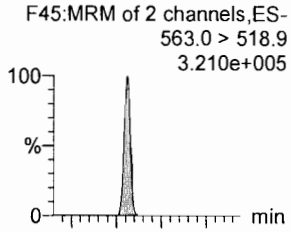
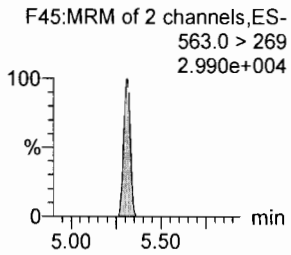




PFUdA





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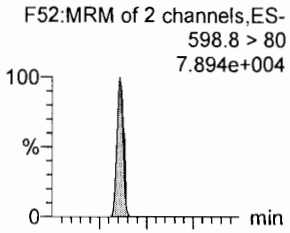

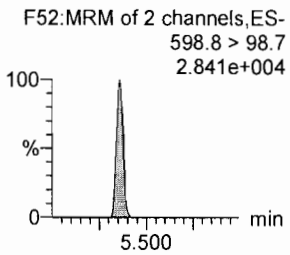

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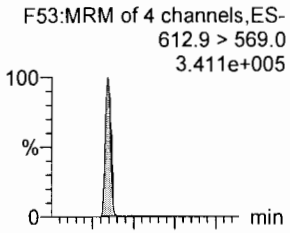

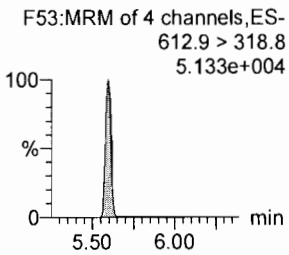

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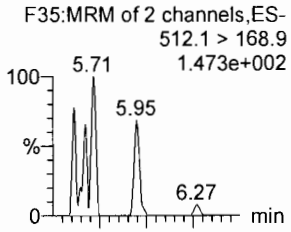

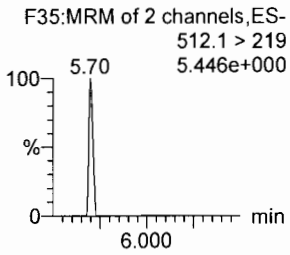

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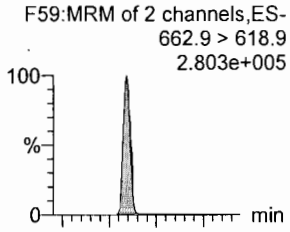

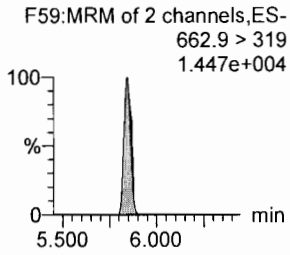

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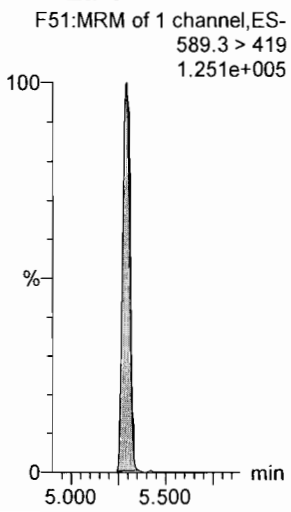

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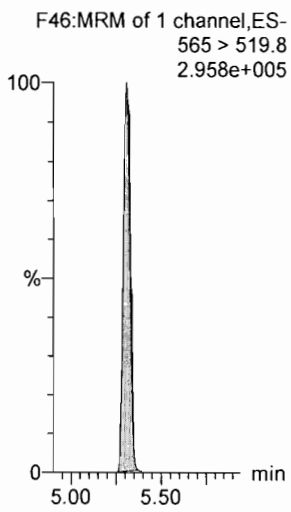
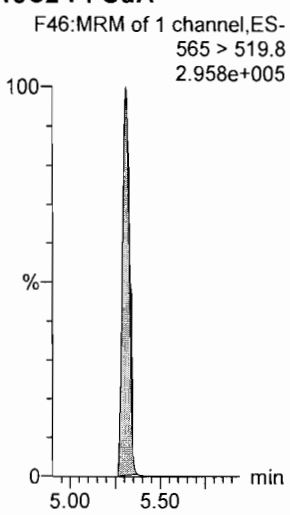


13C2-PFUdA



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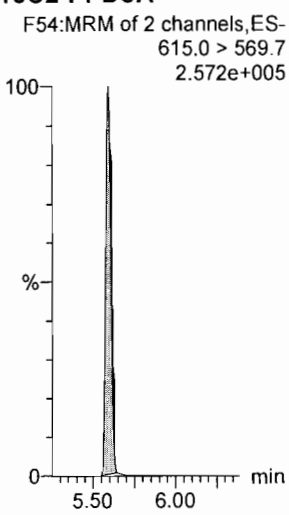

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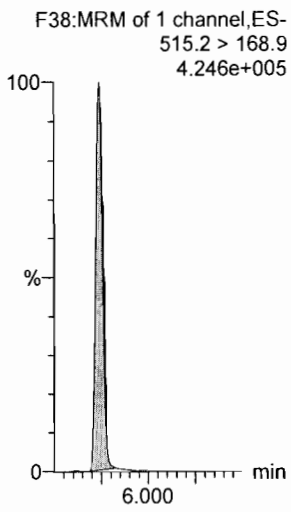
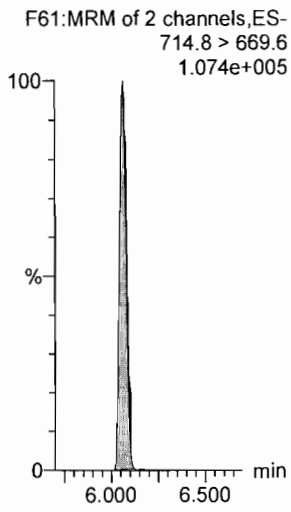


13C2-PFTeDA



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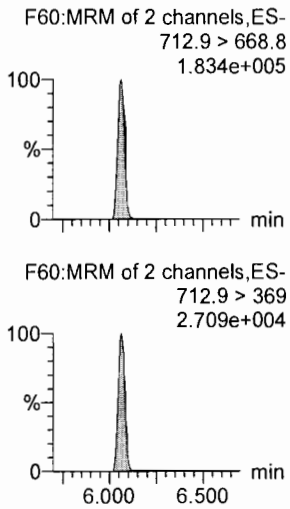
Last Altered: Wednesday, January 31, 2018 10:21:58 Pacific Standard Time
Printed: Wednesday, January 31, 2018 10:28:05 Pacific Standard Time

Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

PFTeDA



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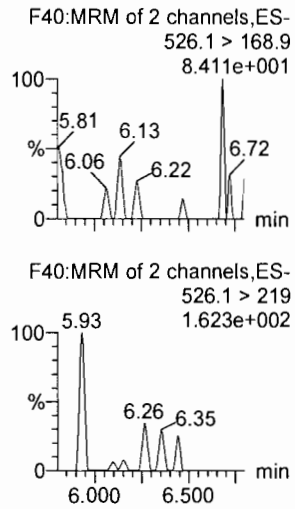

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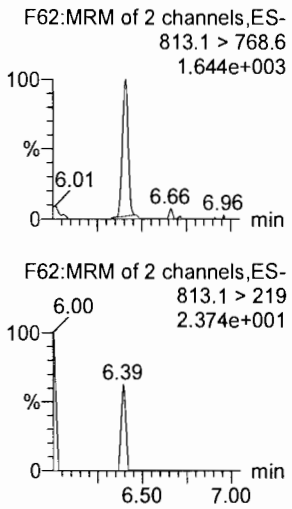

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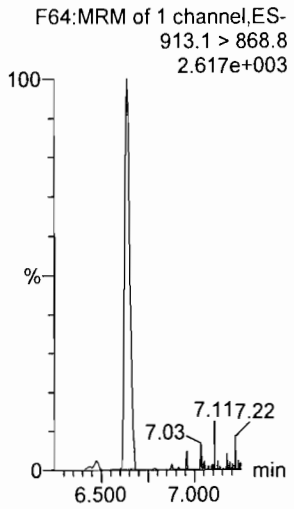

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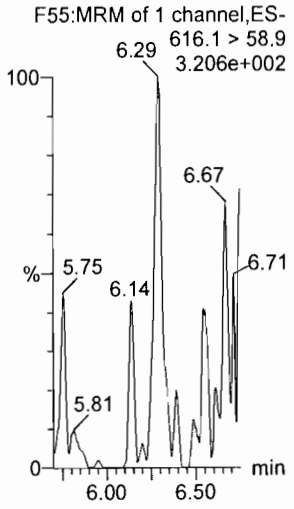

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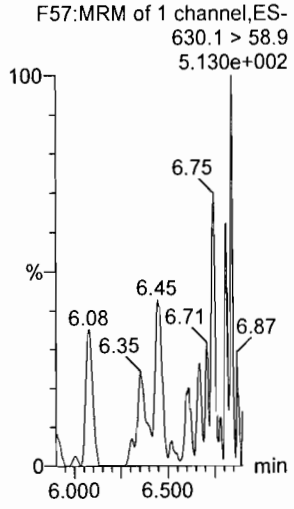
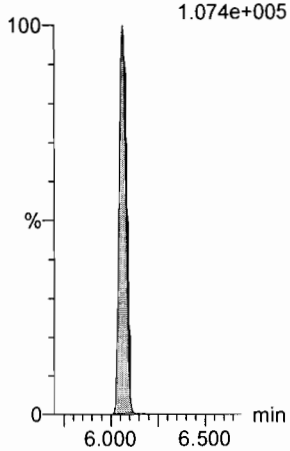


13C2-PFTeDA



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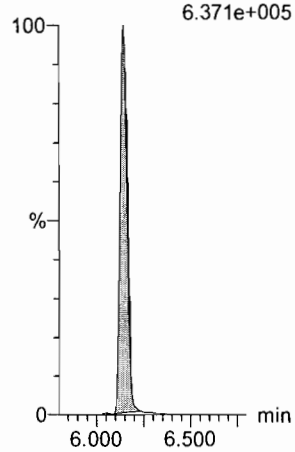

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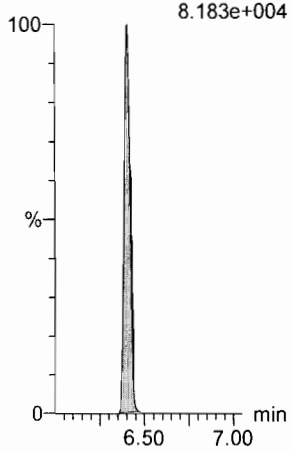

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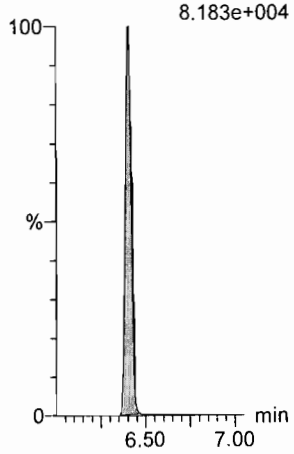

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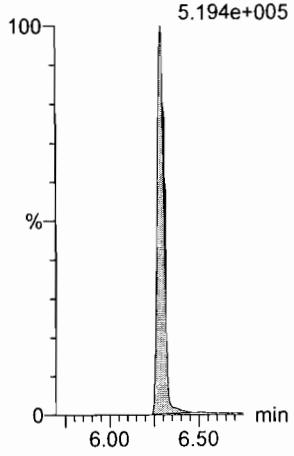

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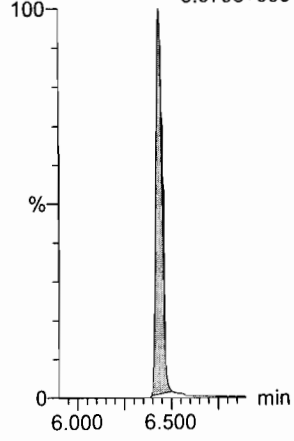

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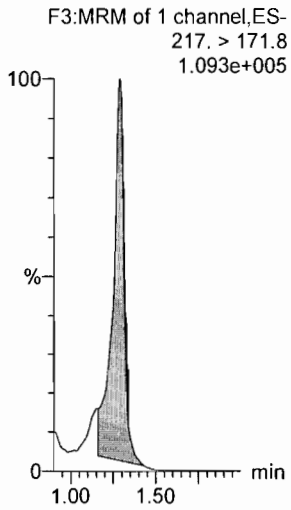
Printed: Wednesday, January 31, 2018 10:28:05 Pacific Standard Time

Name: 180130M2_13, Date: 30-Jan-2018, Time: 13:51:03, ID: ICV180130M2-1 PFC ICV 18A1903, Description: PFC ICV 18A1903

13C4-PFBA



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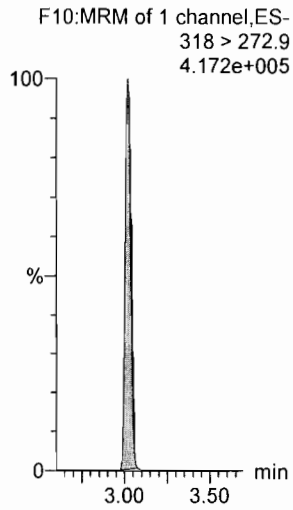

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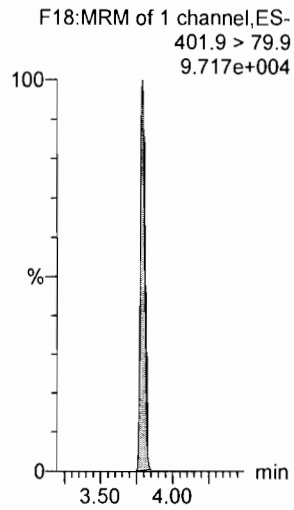

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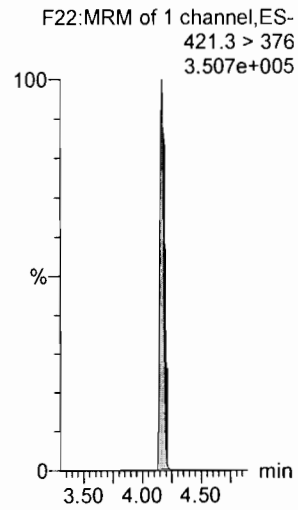

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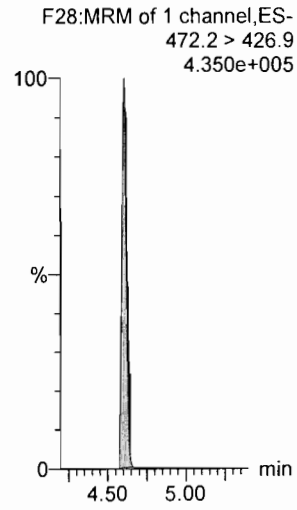
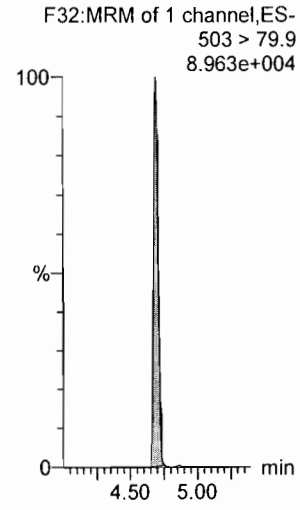


13C4-PFOS



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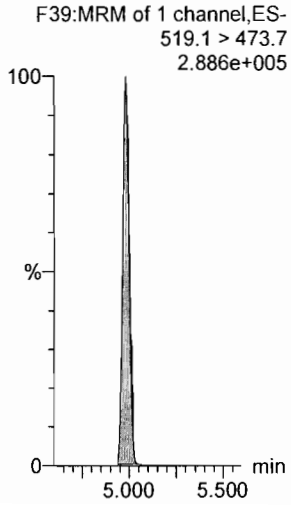

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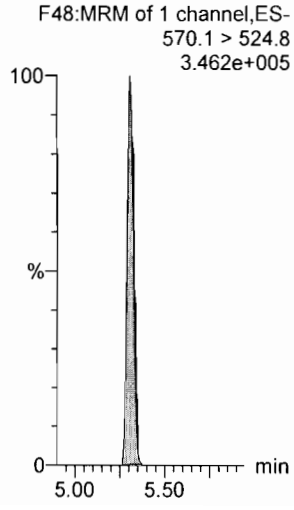
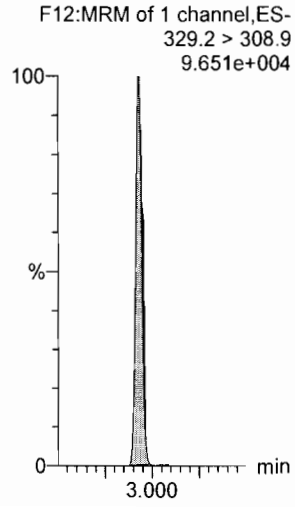


13C2-4:2 FTS



Vista Analytical Laboratory

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Last Altered: Thursday, August 31, 2017 08:50:07 Pacific Daylight Time
Printed: Thursday, August 31, 2017 08:51:40 Pacific Daylight Time

Instrument Blank

Method: U:\Q4.PRO\MethDB\PFAS_FULL_8-30-17.mdb 30 Aug 2017 21:42:46
Calibration: 31 Aug 2017 08:50:07

Name: 170830M1_13, Date: 30-Aug-2017, Time: 18:54:45, ID: IPA, Description: IPA

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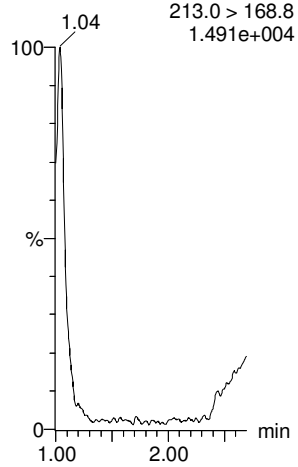

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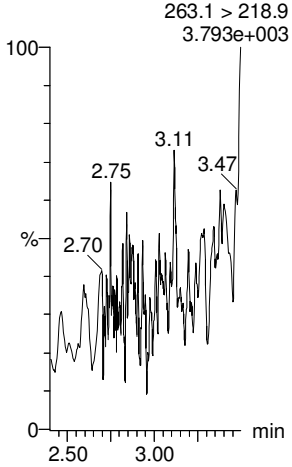

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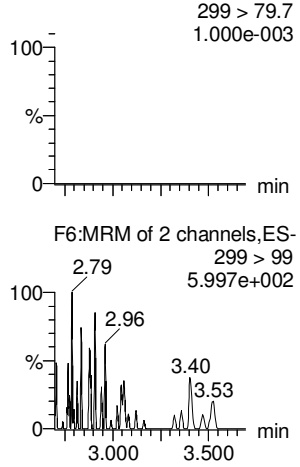

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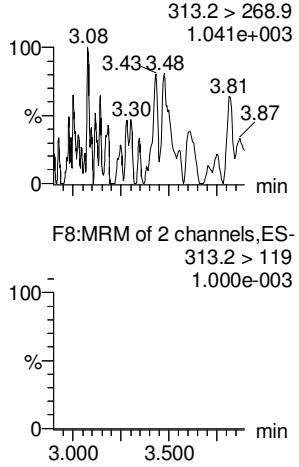
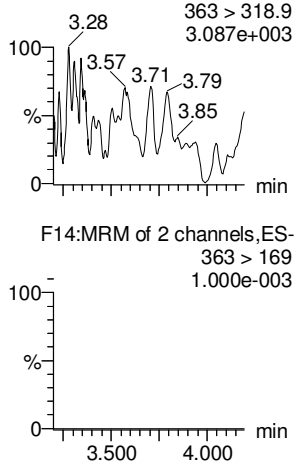


PFHpA



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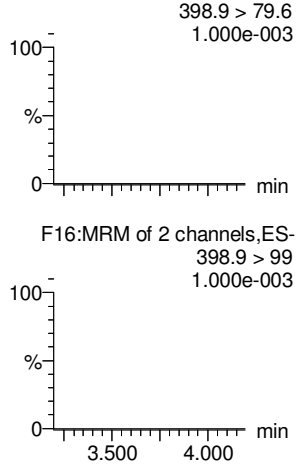
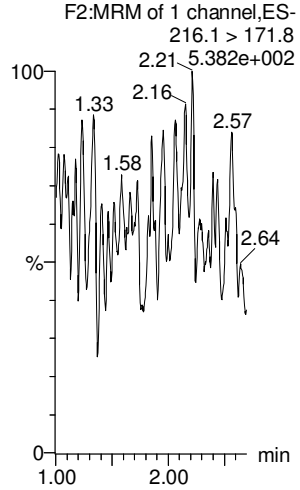


13C3-PFBA



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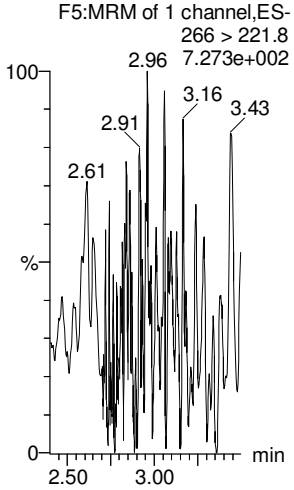

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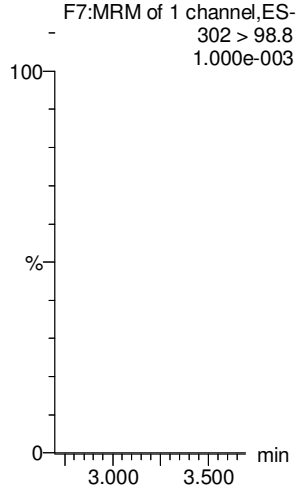

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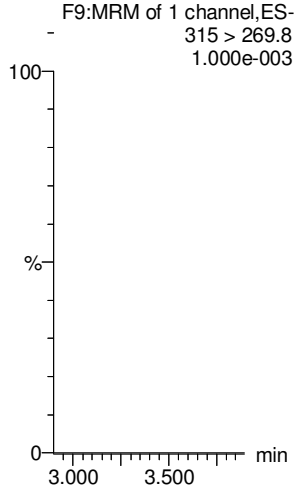

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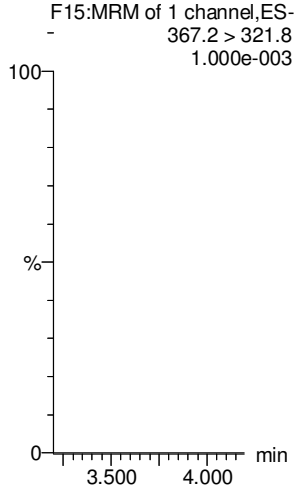
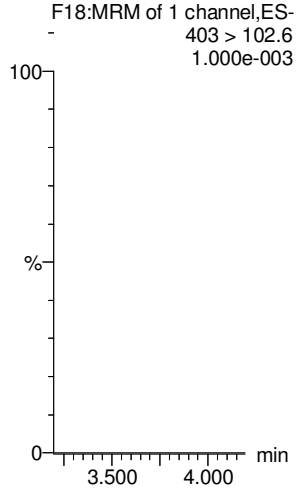


18O2-PFHxS



AC 8/31/17

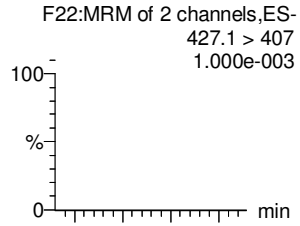
Vista Analytical Laboratory

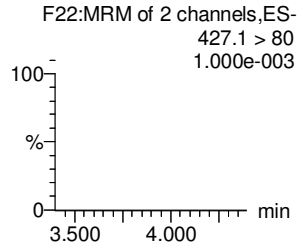
Dataset: Untitled

Last Altered: Thursday, August 31, 2017 08:50:07 Pacific Daylight Time
Printed: Thursday, August 31, 2017 08:51:40 Pacific Daylight Time

Name: 170830M1_13, Date: 30-Aug-2017, Time: 18:54:45, ID: IPA, Description: IPA

6:2 FTS





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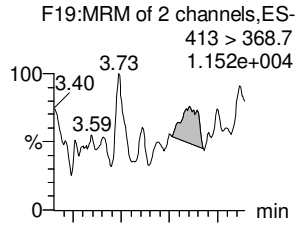

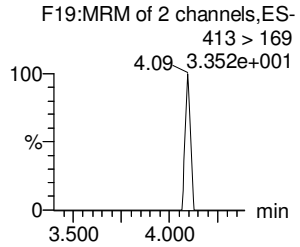

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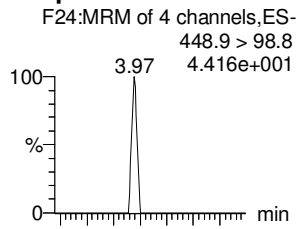

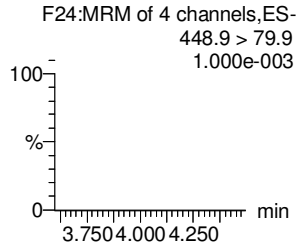

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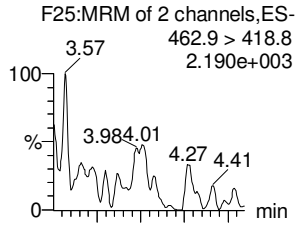

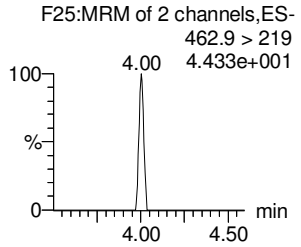

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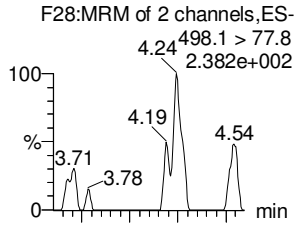

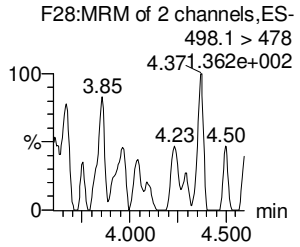

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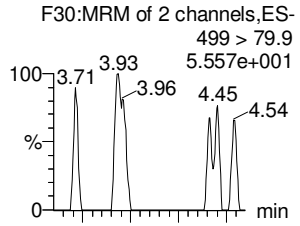

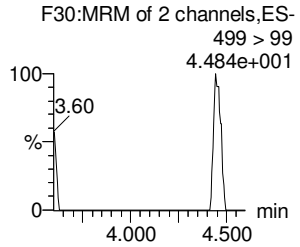

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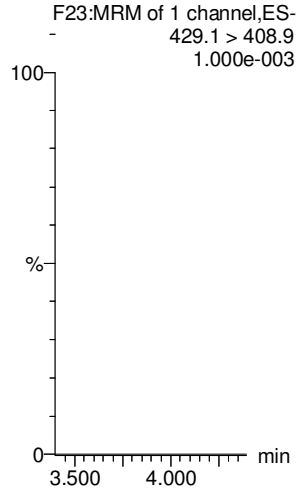

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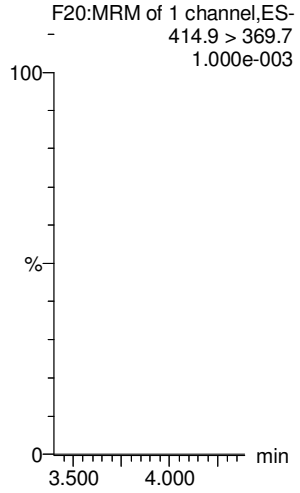

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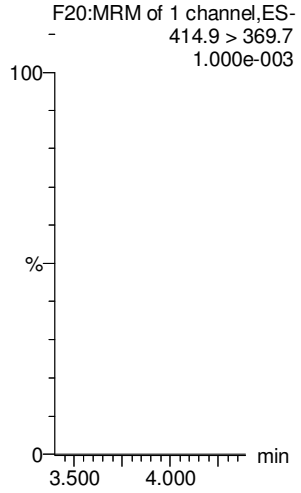

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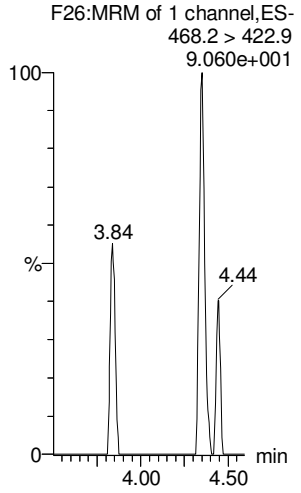

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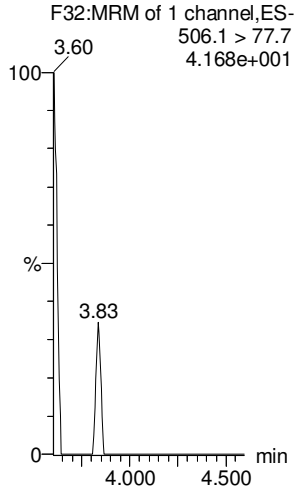

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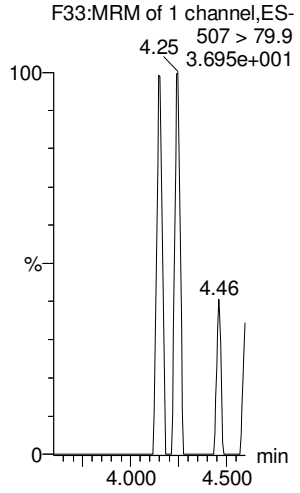

AC 8/31/17

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Thursday, August 31, 2017 08:50:07 Pacific Daylight Time
Printed: Thursday, August 31, 2017 08:51:40 Pacific Daylight Time

Name: 170830M1_13, Date: 30-Aug-2017, Time: 18:54:45, ID: IPA, Description: IPA

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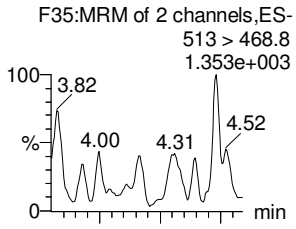
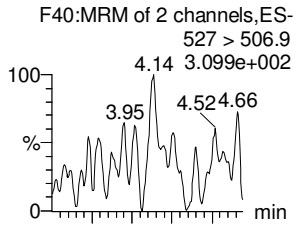


8:2 FTS



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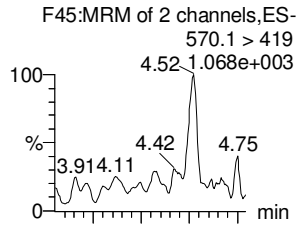

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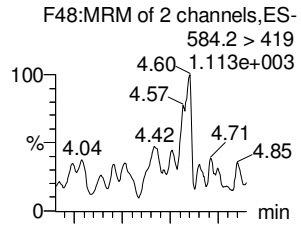

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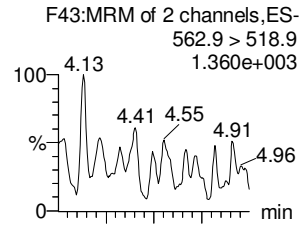

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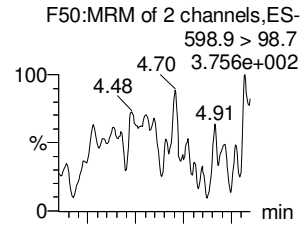

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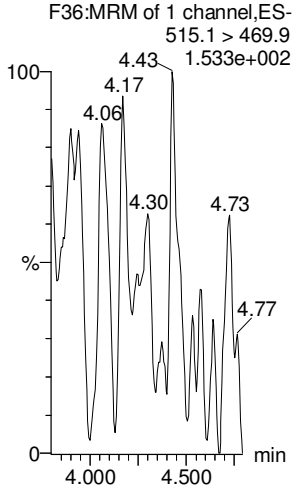
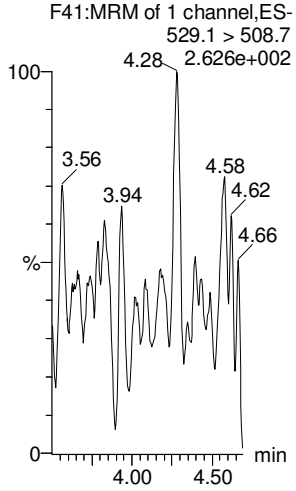


13C2-8:2 FTS



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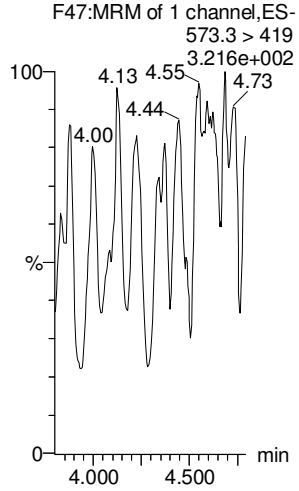

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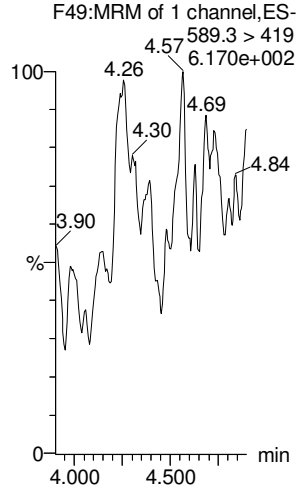

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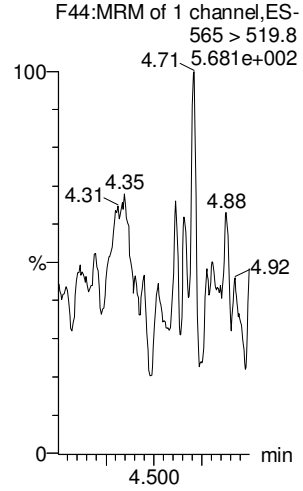

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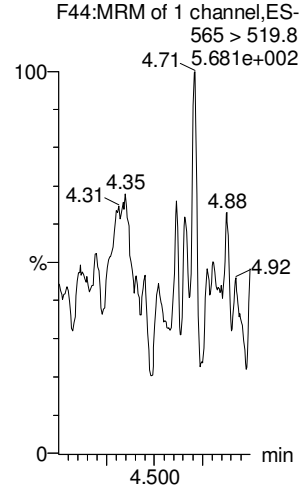

AC 8/31/17

Vista Analytical Laboratory

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Last Altered: Thursday, August 31, 2017 08:50:07 Pacific Daylight Time
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Name: 170830M1_13, Date: 30-Aug-2017, Time: 18:54:45, ID: IPA, Description: IPA

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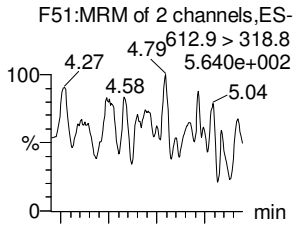

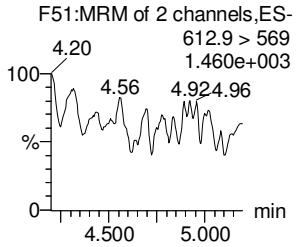

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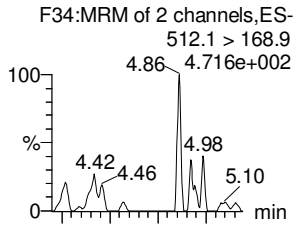

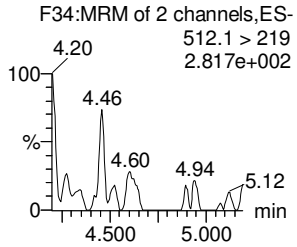

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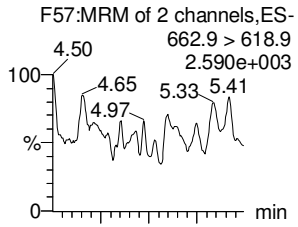

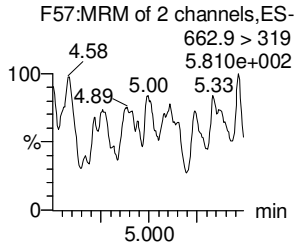

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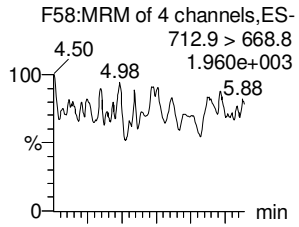

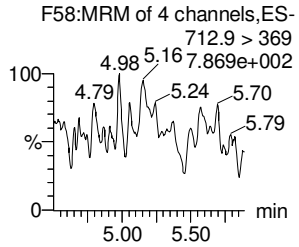

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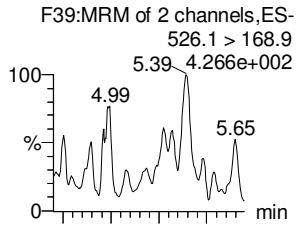

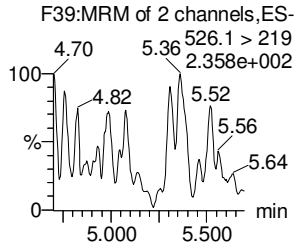

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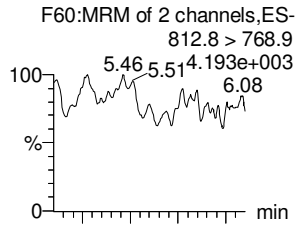

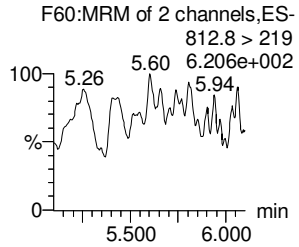

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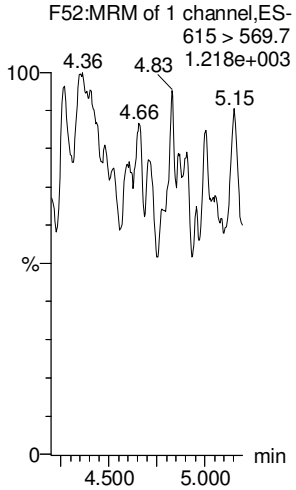
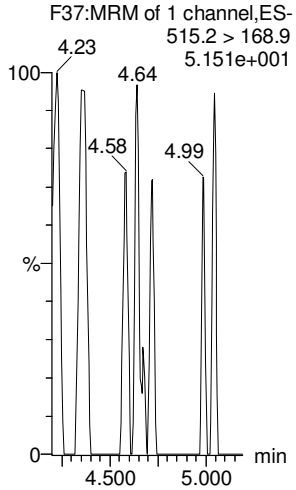


d3-N-MeFOSA



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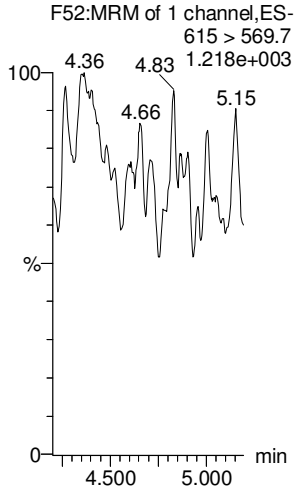

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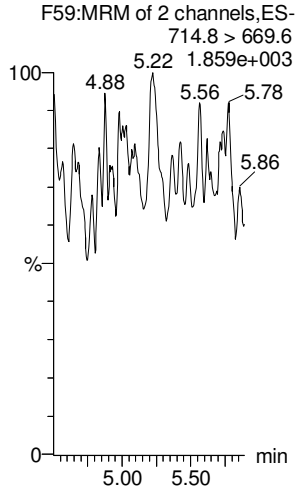
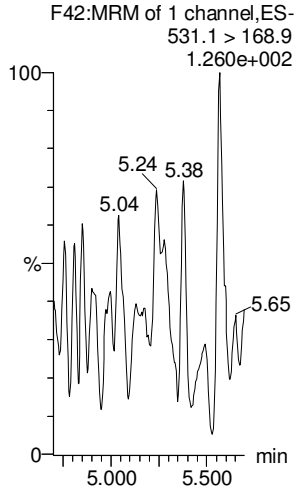


d5-N-ETFOSA



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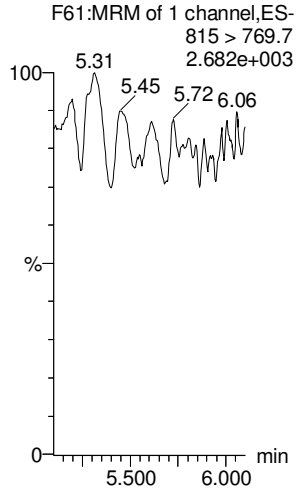

AC 8/31/17

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Thursday, August 31, 2017 08:50:07 Pacific Daylight Time
Printed: Thursday, August 31, 2017 08:51:40 Pacific Daylight Time

Name: 170830M1_13, Date: 30-Aug-2017, Time: 18:54:45, ID: IPA, Description: IPA

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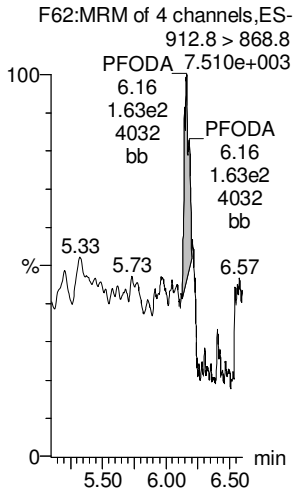

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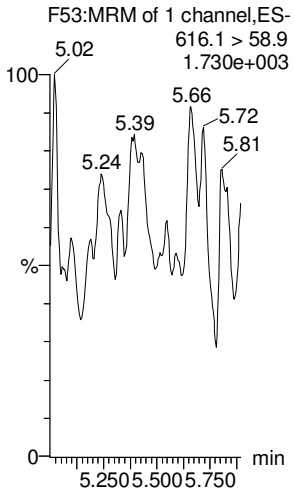

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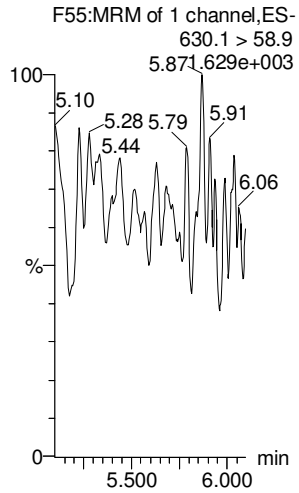

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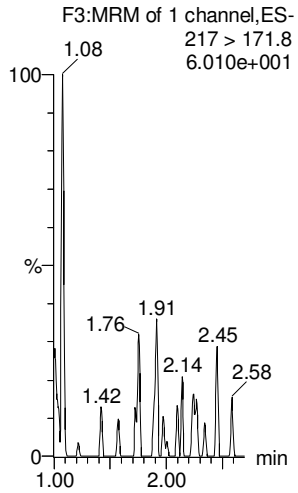

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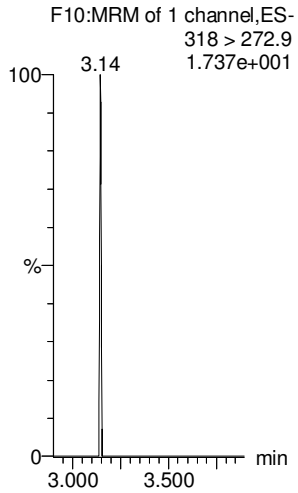

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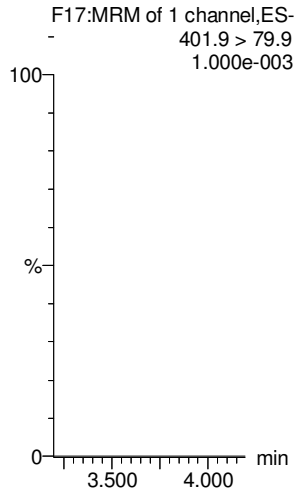

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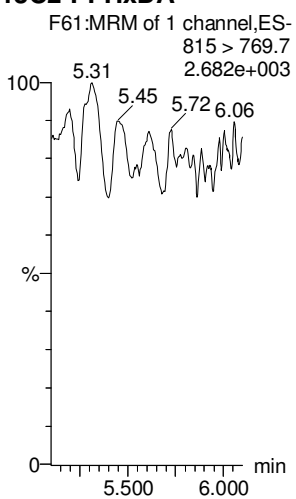
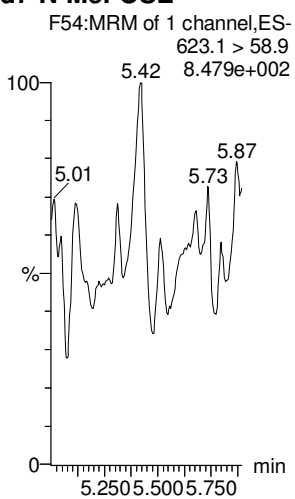


d7-N-MeFOSE



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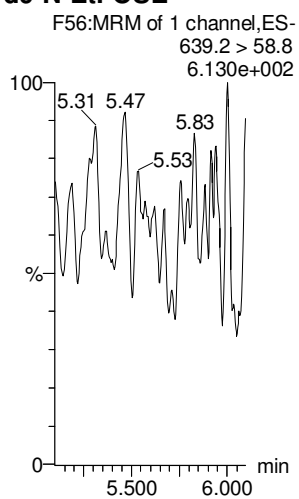

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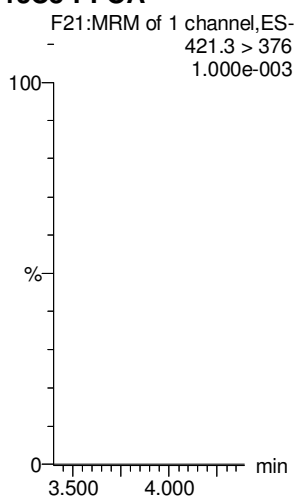

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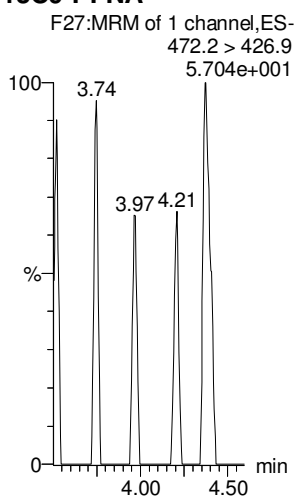

AC 8/31/17

Vista Analytical Laboratory

Dataset: Untitled

Last Altered: Thursday, August 31, 2017 08:50:07 Pacific Daylight Time
Printed: Thursday, August 31, 2017 08:51:40 Pacific Daylight Time

Name: 170830M1_13, Date: 30-Aug-2017, Time: 18:54:45, ID: IPA, Description: IPA

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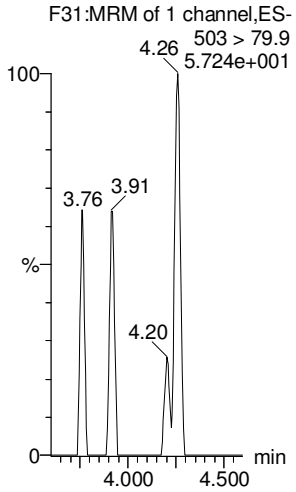

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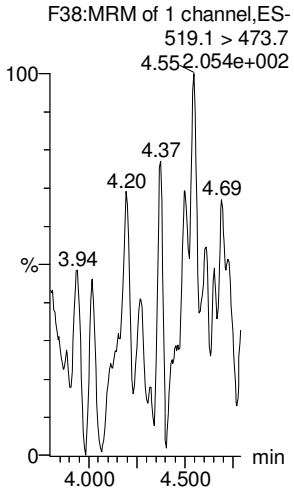

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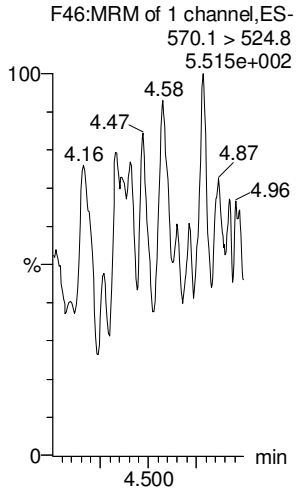

AC 8/31/17

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"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-47-3" "Chromium" "5" "TRG" "Yes" "N" "U" "N" "0.16" "5" "5" "ug/L" "ug/L"
"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-48-4" "Cobalt" "0.0" "TRG" "Yes" "Y" "N" "0.04" "1" "1" "ug/L" "ug/L"
"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-50-8" "Copper" "3" "TRG" "Yes" "N" "U" "N" "0.12" "3" "3" "ug/L" "ug/L"
"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7439-92-1" "Lead" "5" "TRG" "Yes" "N" "U" "N" "0.76" "5" "5" "ug/L" "ug/L"
"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7439-98-7" "Molybdenum" "0.1" "TRG" "Yes" "Y" "N" "3.6" "5" "5" "ug/L" "ug/L"
"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-02-0" "Nickel" "5" "TRG" "Yes" "N" "U" "N" "0.59" "5" "5" "ug/L" "ug/L"
"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7782-49-2" "Selenium" "0.1" "TRG" "Yes" "Y" "N" "0.39" "2" "2" "ug/L" "ug/L"
"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-22-4" "Silver" "0.0" "TRG" "Yes" "Y" "N" "0.56" "5" "5" "ug/L" "ug/L"
"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-28-0" "Thallium" "0.0" "TRG" "Yes" "Y" "N" "0.18" "1" "1" "ug/L" "ug/L"
"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-62-2" "Vanadium" "5" "TRG" "Yes" "N" "U" "N" "1" "5" "5" "ug/L" "ug/L"
"QC1186906MB1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-66-6" "Zinc" "10" "TRG" "Yes" "N" "U" "N" "2.7" "10" "10" "ug/L" "ug/L"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-36-0" "Antimony" "96" "SC" "Yes" "Y" "N" "6" "6" "Percent"
"Percent" "0" "50" "96" "96" "75" "125"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-38-2" "Arsenic" "84.4" "SC" "Yes" "Y" "N" "2" "2" "Percent" "Percent"
"34.5" "50" "84.4" "84.4" "75" "125"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-39-3" "Barium" "0" "SC" "Yes" "Y" "N" "5" "5" "Percent" "Percent"
"992" "50" "0" "0" "75" "125" "*"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-41-7" "Beryllium" "88.4" "SC" "Yes" "Y" "N" "1" "1" "Percent"
"Percent" "0" "50" "88.4" "88.4" "75" "125"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-43-9" "Cadmium" "78.6" "SC" "Yes" "Y" "N" "1" "1" "Percent"
"Percent" "0" "50" "78.6" "78.6" "75" "125"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-47-3" "Chromium" "71.76" "SC" "Yes" "Y" "N" "5" "5" "Percent"
"Percent" "7.02" "50" "71.76" "71.76" "75" "125" "*"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-48-4" "Cobalt" "83.66" "SC" "Yes" "Y" "N" "1" "1" "Percent" "Percent"
"1.97" "50" "83.66" "83.66" "75" "125"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-50-8" "Copper" "72" "SC" "Yes" "Y" "N" "3" "3" "Percent" "Percent"
"24.1" "50" "72" "72" "75" "125" "*"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7439-92-1" "Lead" "70.8" "SC" "Yes" "Y" "N" "5" "5" "Percent" "Percent"
"0" "50" "70.8" "70.8" "75" "125" "*"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7439-98-7" "Molybdenum" "125.2" "SC" "Yes" "Y" "N" "5" "5" "Percent"
"Percent" "0" "50" "125.2" "125.2" "75" "125" "*"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-02-0" "Nickel" "72" "SC" "Yes" "Y" "N" "5" "5" "Percent" "Percent"
"104" "50" "72" "72" "75" "125" "*"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7782-49-2" "Selenium" "90" "SC" "Yes" "Y" "N" "2" "2" "Percent" "Percent"
"110" "50" "90" "90" "75" "125"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-22-4" "Silver" "46.8" "SC" "Yes" "Y" "N" "5" "5" "Percent" "Percent"
"0" "50" "46.8" "46.8" "75" "125" "*"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-28-0" "Thallium" "70.8" "SC" "Yes" "Y" "N" "1" "1" "Percent" "Percent"
"0" "50" "70.8" "70.8" "75" "125" "*"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-62-2" "Vanadium" "78.2" "SC" "Yes" "Y" "N" "5" "5" "Percent"
"Percent" "0" "50" "78.2" "78.2" "75" "125"
"QC1186906MS1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-66-6" "Zinc" "108.8" "SC" "Yes" "Y" "N" "10" "10" "Percent" "Percent"
"0" "50" "108.8" "108.8" "75" "125"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-36-0" "Antimony" "97.4" "SC" "Yes" "Y" "N" "6" "6" "Percent"
"Percent" "0" "50" "97.4" "97.4" "1.44778" "75" "125" "20"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-38-2" "Arsenic" "76.8" "SC" "Yes" "Y" "N" "2" "2" "Percent"
"Percent" "34.5" "50" "76.8" "76.8" "5.08021" "75" "125" "20"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-39-3" "Barium" "0" "SC" "Yes" "Y" "N" "5" "5" "Percent" "Percent"
"992" "50" "0" "0" "0.104987" "75" "125" "20" "*"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-41-7" "Beryllium" "86.4" "SC" "Yes" "Y" "N" "1" "1" "Percent"

"Percent" "0" "50" "86.4" "86.4" "2.28833" "75" "125" "20"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-43-9" "Cadmium" "78.8" "SC" "Yes" "Y" "N" "1" "1" "Percent"
"Percent" "0" "50" "78.8" "78.8" "0.25413" "75" "125" "20"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-47-3" "Chromium" "68.76" "SC" "Yes" "Y" "N" "5" "5" "Percent"
"Percent" "7.02" "50" "68.76" "68.76" "3.55872" "75" "125" "20" "*"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-48-4" "Cobalt" "81.86" "SC" "Yes" "Y" "N" "1" "1" "Percent"
"Percent" "1.97" "50" "81.86" "81.86" "2.07612" "75" "125" "20"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-50-8" "Copper" "70.6" "SC" "Yes" "Y" "N" "3" "3" "Percent"
"Percent" "24.1" "50" "70.6" "70.6" "1.17155" "75" "125" "20" "*"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7439-92-1" "Lead" "71.4" "SC" "Yes" "Y" "N" "5" "5" "Percent""Percent"
"0" "50" "71.4" "71.4" "0.843882" "75" "125" "20" "*"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7439-98-7" "Molybdenum" "126.8" "SC" "Yes" "Y" "N" "5" "5"
"Percent" "Percent" "0" "50" "126.8" "126.8" "1.26984" "75" "125" "20" "*"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-02-0" "Nickel" "66" "SC" "Yes" "Y" "N" "5" "5" "Percent" "Percent"
"104" "50" "66" "66" "2.16606" "75" "125" "20" "*"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7782-49-2" "Selenium" "68" "SC" "Yes" "Y" "N" "2" "2" "Percent"
"Percent" "110" "50" "68" "68" "7.35786" "75" "125" "20" "*"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-22-4" "Silver" "47" "SC" "Yes" "Y" "N" "5" "5" "Percent" "Percent"
"0" "50" "47" "47" "0.426439" "75" "125" "20" "*"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-28-0" "Thallium" "71.4" "SC" "Yes" "Y" "N" "1" "1" "Percent"
"Percent" "0" "50" "71.4" "71.4" "0.843882" "75" "125" "20" "*"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-62-2" "Vanadium" "77.4" "SC" "Yes" "Y" "N" "5" "5" "Percent"
"Percent" "0" "50" "77.4" "77.4" "1.02828" "75" "125" "20"
"QC1186906MSD1" "6020" "01/23/18" "00:00:00" "T" "NA" "000" "7440-66-6" "Zinc" "104.2" "SC" "Yes" "Y" "N" "10" "10" "Percent"
"Percent" "0" "50" "104.2" "104.2" "4.31925" "75" "125" "20"
"QC1186952LCS1" "7470A" "01/24/18" "16:01:00" "T" "NA" "000" "7439-97-6" "Mercury" "98.8" "SC" "Yes" "Y" "N" "0" "0" "Percent"
"Percent" "5" "98.8" "98.8" "80" "120"
"QC1186952MB1" "7470A" "01/24/18" "15:59:00" "T" "NA" "000" "7439-97-6" "Mercury" "0.4" "TRG" "Yes" "N" "U" "N" "0.12" "0.4" "0.4"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8015D" "01/26/18" "14:27:00" "N" "1C""000" "68334-30-5" "Diesel C10-C24" "2800" "TRG" "Yes" "Y" "Y" "Y" "16" "50" "50" "ug/L"
"ug/L"
"MINS-LW01-20180116" "8015D" "01/26/18" "14:27:00" "N" "1C""000" "0" "Motor Oil C24-C36" "1900" "TRG" "Yes" "Y" "Y" "96" "300" "300"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8015D" "01/26/18" "14:27:00" "N" "1C""000" "84-15-1""o-Terphenyl" "89" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"250.0" "89" "89" "56" "125"
"MINS-LW02-20180116" "8015D" "01/26/18" "16:07:00" "N" "1C""000" "68334-30-5" "Diesel C10-C24" "270" "TRG" "Yes" "Y" "Y" "Y" "16" "49" "49" "ug/L"
"ug/L"
"MINS-LW02-20180116" "8015D" "01/26/18" "16:07:00" "N" "1C""000" "0" "Motor Oil C24-C36" "370" "TRG" "Yes" "Y" "Y" "94" "290" "290"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8015D" "01/26/18" "16:07:00" "N" "1C""000" "84-15-1""o-Terphenyl" "102" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "245.1" "102" "102" "56" "125"
"QC917734" "8015D" "01/26/18" "13:12:00" "N" "1C""000" "68334-30-5" "Diesel C10-C24" "50" "TRG" "Yes" "N" "U" "Y" "16" "50" "50" "ug/L" "ug/L"
"QC917734" "8015D" "01/26/18" "13:12:00" "N" "1C""000" "0" "Motor Oil C24-C36" "300" "TRG" "Yes" "N" "U" "Y" "96" "300" "300" "ug/L" "ug/L"
"QC917734" "8015D" "01/26/18" "13:12:00" "N" "1C""000" "84-15-1""o-Terphenyl" "97" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"250.0" "97" "97" "56" "125"
"QC917735" "8015D" "01/26/18" "13:37:00" "N" "1C""000" "68334-30-5" "Diesel C10-C24" "106" "SC" "Yes" "Y" "Y" "16" "50.00" "50.00" "Percent"
"Percent" "2500" "106" "106" "36" "132"
"QC917735" "8015D" "01/26/18" "13:37:00" "N" "1C""000" "84-15-1""o-Terphenyl" "112" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"250.0" "112" "112" "56" "125"
"QC917736" "8015D" "01/26/18" "14:02:00" "N" "1C""000" "68334-30-5" "Diesel C10-C24" "105" "SC" "Yes" "Y" "Y" "16" "50.00" "50.00" "Percent"
"Percent" "2500" "105" "105" "1" "36" "132" "30"
"QC917736" "8015D" "01/26/18" "14:02:00" "N" "1C""000" "84-15-1""o-Terphenyl" "106" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"250.0" "106" "106" "56" "125"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "75-71-8""Freon 12" "2.0" "TRG" "Yes" "N" "U" "Y" "0.3" "2.0" "2.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "74-87-3""Chloromethane" "2.0" "TRG" "Yes" "N" "U" "Y" "0.4" "2.0" "2.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "75-01-4""Vinyl Chloride" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "74-83-9""Bromomethane" "2.0" "TRG" "Yes" "N" "U" "Y" "0.5" "2.0" "2.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "75-00-3""Chloroethane" "2.0" "TRG" "Yes" "N" "U" "Y" "0.4" "2.0" "2.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "75-69-4""Trichlorofluoromethane" "2.0" "TRG" "Yes" "N" "U" "Y" "0.2" "2.0"
"2.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "67-64-1""Acetone" "20" "TRG" "Yes" "N" "U" "Y" "6.6" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "76-13-1""Freon 113" "4.0" "TRG" "Yes" "N" "U" "Y" "0.3" "4.0" "4.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "75-35-4""1,1-Dichloroethene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "75-09-2""Methylene Chloride" "20" "TRG" "Yes" "N" "U" "Y" "0.2" "20" "20" "ug/L"
"ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "75-15-0""Carbon Disulfide" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "1634-04-4" "MTBE" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "156-60-5" "trans-1,2-Dichloroethene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3"
"1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "108-05-4" "Vinyl Acetate" "20" "TRG" "Yes" "N" "U" "Y" "0.5" "20" "20" "ug/L"

"ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "75-34-3""1,1-Dichloroethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "78-93-3""2-Butanone" "20" "TRG" "Yes" "N" "U" "Y" "2.0" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "156-59-2" "cis-1,2-Dichloroethene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2"
"1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "594-20-7" "2,2-Dichloropropane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "67-66-3""Chloroform" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "74-97-5""Bromochloromethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "71-55-6""1,1,1-Trichloroethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "563-58-6" "1,1-Dichloropropene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "56-23-5""Carbon Tetrachloride" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "107-06-2" "1,2-Dichloroethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "71-43-2""Benzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "79-01-6""Trichloroethene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "78-87-5""1,2-Dichloropropane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "75-27-4""Bromodichloromethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "74-95-3""Dibromomethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "108-10-1" "4-Methyl-2-Pentanone" "20" "TRG" "Yes" "N" "U" "Y" "0.2" "20" "20"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "10061-01-5" "cis-1,3-Dichloropropene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2"
"1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "108-88-3" "Toluene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "10061-02-6" "trans-1,3-Dichloropropene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2"
"1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "79-00-5""1,1,2-Trichloroethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "591-78-6" "2-Hexanone" "20" "TRG" "Yes" "N" "U" "Y" "0.3" "20" "20" "ug/L"
"ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "142-28-9" "1,3-Dichloropropane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "127-18-4" "Tetrachloroethene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "124-48-1" "Dibromochloromethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2"
"1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "106-93-4" "1,2-Dibromoethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "108-90-7" "Chlorobenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "630-20-6" "1,1,1,2-Tetrachloroethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2"
"1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "100-41-4" "Ethylbenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "179601-23-1""m,p-Xylenes" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "95-47-6""o-Xylene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "100-42-5" "Styrene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "75-25-2""Bromoform" "2.0" "TRG" "Yes" "N" "U" "Y" "0.3" "2.0" "2.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "98-82-8""Isopropylbenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "79-34-5""1,1,2,2-Tetrachloroethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "96-18-4""1,2,3-Trichloropropane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "103-65-1" "Propylbenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "108-86-1" "Bromobenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "108-67-8" "1,3,5-Trimethylbenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3"
"1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "95-49-8""2-Chlorotoluene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "106-43-4" "4-Chlorotoluene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0"

"1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "98-06-6""tert-Butylbenzene""1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "95-63-6""1,2,4-Trimethylbenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "135-98-8" "sec-Butylbenzene""1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "99-87-6""para-Isopropyl Toluene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "541-73-1" "1,3-Dichlorobenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "106-46-7" "1,4-Dichlorobenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "104-51-8" "n-Butylbenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "95-50-1""1,2-Dichlorobenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "96-12-8""1,2-Dibromo-3-Chloropropane" "4.0" "TRG" "Yes" "N" "U" "Y" "0.7" "4.0" "4.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "120-82-1" "1,2,4-Trichlorobenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "87-68-3""Hexachlorobutadiene" "4.0" "TRG" "Yes" "N" "U" "Y" "0.5" "4.0" "4.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "91-20-3""Naphthalene" "4.0" "TRG" "Yes" "N" "U" "Y" "0.5" "4.0" "4.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "87-61-6""1,2,3-Trichlorobenzene" "1.0" "TRG" "Yes" "N" "U" "Y" "0.3" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "1868-53-7" "Dibromofluoromethane" "110" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "100.0" "110" "110" "80" "120"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "17060-07-0" "1,2-Dichloroethane-d4" "110" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "100.0" "110" "110" "73" "136"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "2037-26-5" "Toluene-d8" "100" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "100.0" "100" "100" "80" "120"
"MINS-LW01-20180116" "8260C" "01/18/18" "19:41:00" "N" "1C""DL1" "460-00-4" "Bromofluorobenzene" "112" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "100.0" "112" "112" "80" "120"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "75-71-8""Freon 12" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "74-87-3""Chloromethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "75-01-4""Vinyl Chloride" "0.5" "TRG" "Yes" "N" "U" "Y" "0.2" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "74-83-9""Bromomethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "75-00-3""Chloroethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "75-69-4""Trichlorofluoromethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.1" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "67-64-1""Acetone" "10" "TRG" "Yes" "N" "U" "Y" "3.3" "10" "10" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "76-13-1""Freon 113" "2.0" "TRG" "Yes" "N" "U" "Y" "0.2" "2.0" "2.0" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "75-35-4""1,1-Dichloroethene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "75-09-2""Methylene Chloride" "10" "TRG" "Yes" "N" "U" "Y" "0.1" "10" "10" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "75-15-0""Carbon Disulfide" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "1634-04-4" "MTBE" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "156-60-5" "trans-1,2-Dichloroethene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "108-05-4" "Vinyl Acetate" "10" "TRG" "Yes" "N" "U" "Y" "0.3" "10" "10" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "75-34-3""1,1-Dichloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "78-93-3""2-Butanone" "10" "TRG" "Yes" "N" "U" "Y" "1.0" "10" "10" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "156-59-2" "cis-1,2-Dichloroethene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "594-20-7" "2,2-Dichloropropane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "67-66-3""Chloroform" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "74-97-5""Bromochloromethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "71-55-6""1,1,1-Trichloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "563-58-6" "1,1-Dichloropropene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "56-23-5""Carbon Tetrachloride" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"

"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "107-06-2" "1,2-Dichloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "71-43-2""Benzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "79-01-6""Trichloroethene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "78-87-5""1,2-Dichloropropane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "75-27-4""Bromodichloromethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "74-95-3""Dibromomethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "108-10-1" "4-Methyl-2-Pentanone" "10" "TRG" "Yes" "N" "U" "Y" "0.1" "10" "10" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "10061-01-5" "cis-1,3-Dichloropropene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "108-88-3" "Toluene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "10061-02-6" "trans-1,3-Dichloropropene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "79-00-5""1,1,2-Trichloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "591-78-6" "2-Hexanone" "10" "TRG" "Yes" "N" "U" "Y" "0.2" "10" "10" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "142-28-9" "1,3-Dichloropropane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "127-18-4" "Tetrachloroethene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "124-48-1" "Dibromochloromethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "106-93-4" "1,2-Dibromoethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "108-90-7" "Chlorobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "630-20-6" "1,1,1,2-Tetrachloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "100-41-4" "Ethylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "179601-23-1""m,p-Xylenes" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "95-47-6""o-Xylene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "100-42-5" "Styrene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "75-25-2""Bromoform" "1.0" "TRG" "Yes" "N" "U" "Y" "0.1" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "98-82-8""Isopropylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "79-34-5""1,1,2,2-Tetrachloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "96-18-4""1,2,3-Trichloropropane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "103-65-1" "Propylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "108-86-1" "Bromobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "108-67-8" "1,3,5-Trimethylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "95-49-8""2-Chlorotoluene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "106-43-4" "4-Chlorotoluene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "98-06-6""tert-Butylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "95-63-6""1,2,4-Trimethylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "135-98-8" "sec-Butylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "99-87-6""para-Isopropyl Toluene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "541-73-1" "1,3-Dichlorobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "106-46-7" "1,4-Dichlorobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "104-51-8" "n-Butylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "95-50-1""1,2-Dichlorobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "8260C" "01/18/18" "16:43:00" "N" "1C""000" "96-12-8""1,2-Dibromo-3-Chloropropane" "2.0" "TRG" "Yes" "N" "U" "Y" "0.3"

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"2.0"	"2.0"	"ug/L"	"ug/L"
"MINS-LW02-20180116"	"8260C"	"01/18/18"	"16:43:00"	"N"	"1C""000"	"120-82-1"	"1,2,4-Trichlorobenzene"	"0.5"	"TRG"	"Yes"	"N"	"U"	"Y"	"0.1"
"0.5"	"0.5"	"ug/L"	"ug/L"
"MINS-LW02-20180116"	"8260C"	"01/18/18"	"16:43:00"	"N"	"1C""000"	"87-68-3""Hexachlorobutadiene"	"2.0"	"TRG"	"Yes"	"N"	"U"	"Y"	"0.3"	"2.0"
"2.0"	"ug/L"	"ug/L"
"MINS-LW02-20180116"	"8260C"	"01/18/18"	"16:43:00"	"N"	"1C""000"	"91-20-3""Naphthalene"	"2.0"	"TRG"	"Yes"	"N"	"U"	"Y"	"0.3"	"2.0"	"2.0"
"ug/L"	"ug/L"
"MINS-LW02-20180116"	"8260C"	"01/18/18"	"16:43:00"	"N"	"1C""000"	"87-61-6""1,2,3-Trichlorobenzene"	"0.5"	"TRG"	"Yes"	"N"	"U"	"Y"	"0.1"	"0.5"
"0.5"	"ug/L"	"ug/L"
"MINS-LW02-20180116"	"8260C"	"01/18/18"	"16:43:00"	"N"	"1C""000"	"1868-53-7"	"Dibromofluoromethane"	"107"	"SUR"	"Yes"	"Y"	"Y"
"Percent"	"Percent"	"50.00"	"107"	"107"	"80"	"120"
"MINS-LW02-20180116"	"8260C"	"01/18/18"	"16:43:00"	"N"	"1C""000"	"17060-07-0"	"1,2-Dichloroethane-d4"	"107"	"SUR"	"Yes"	"Y"	"Y"
"Percent"	"Percent"	"50.00"	"107"	"107"	"73"	"136"
"MINS-LW02-20180116"	"8260C"	"01/18/18"	"16:43:00"	"N"	"1C""000"	"2037-26-5"	"Toluene-d8"	"100"	"SUR"	"Yes"	"Y"	"Y"	"Percent"
"Percent"	"50.00"	"100"	"100"	"80"	"120"
"MINS-LW02-20180116"	"8260C"	"01/18/18"	"16:43:00"	"N"	"1C""000"	"460-00-4"	"Bromofluorobenzene"	"110"	"SUR"	"Yes"	"Y"	"Y"
"Percent"	"Percent"	"50.00"	"110"	"110"	"80"	"120"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"75-71-8""Freon 12"	"128"	"SC"	"Yes"	"Y"	"Y"	"0.2"	"1.000"	"1.000"	"Percent"
"Percent"	"10.00"	"128"	"128"	"43"	"142"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"74-87-3""Chloromethane"	"136"	"SC"	"Yes"	"Y"	"Q"	"Y"	"0.2"	"1.000"	"1.000"	"Percent"
"Percent"	"10.00"	"136"	"136"	"40"	"145"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"75-01-4""Vinyl Chloride"	"118"	"SC"	"Yes"	"Y"	"Y"	"0.2"	"0.5000"	"0.5000"	"Percent"
"Percent"	"10.00"	"118"	"118"	"63"	"138"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"74-83-9""Bromomethane"	"53"	"SC"	"Yes"	"Y"	"Q"	"Y"	"0.2"	"1.000"	"1.000"	"Percent"
"Percent"	"10.00"	"53"	"53"	"39"	"177"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"75-00-3""Chloroethane"	"121"	"SC"	"Yes"	"Y"	"Y"	"0.2"	"1.000"	"1.000"	"Percent"
"Percent"	"10.00"	"121"	"121"	"67"	"135"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"75-69-4""Trichlorofluoromethane"	"115"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"1.000"	"1.000"
"Percent"	"Percent"	"10.00"	"115"	"115"	"62"	"142"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"67-64-1""Acetone"	"108"	"SC"	"Yes"	"Y"	"Y"	"3.3"	"10.00"	"10.00"	"Percent"
"Percent"	"15.00"	"108"	"108"	"46"	"153"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"76-13-1""Freon 113"	"113"	"SC"	"Yes"	"Y"	"Y"	"0.2"	"2.000"	"2.000"	"Percent"
"Percent"	"15.00"	"113"	"113"	"62"	"145"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"75-35-4""1,1-Dichloroethene"	"107"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"107"	"107"	"66"	"127"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"75-09-2""Methylene Chloride"	"109"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"10.00"	"10.00"
"Percent"	"Percent"	"15.00"	"109"	"109"	"71"	"126"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"75-15-0""Carbon Disulfide"	"102"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"	"Percent"
"Percent"	"15.00"	"102"	"102"	"63"	"134"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"1634-04-4"	"MTBE"	"110"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"	"Percent"
"Percent"	"15.00"	"110"	"110"	"63"	"120"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"156-60-5"	"trans-1,2-Dichloroethene"	"114"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"114"	"114"	"67"	"120"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"108-05-4"	"Vinyl Acetate"	"114"	"SC"	"Yes"	"Y"	"Y"	"0.3"	"10.00"	"10.00"
"Percent"	"Percent"	"20.00"	"114"	"114"	"60"	"171"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"75-34-3""1,1-Dichloroethane"	"113"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"113"	"113"	"69"	"127"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"78-93-3""2-Butanone"	"118"	"SC"	"Yes"	"Y"	"Y"	"1.0"	"10.00"	"10.00"	"Percent"
"Percent"	"15.00"	"118"	"118"	"53"	"142"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"156-59-2"	"cis-1,2-Dichloroethene"	"115"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"115"	"115"	"75"	"129"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"594-20-7"	"2,2-Dichloropropane"	"134"	"SC"	"Yes"	"Y"	"Q"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"134"	"134"	"73"	"150"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"67-66-3""Chloroform"	"112"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"	"Percent"
"Percent"	"15.00"	"112"	"112"	"70"	"126"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"74-97-5""Bromochloromethane"	"110"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"110"	"110"	"75"	"126"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C""000"	"71-55-6""1,1,1-Trichloroethane"	"113"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"113"	"113"	"67"	"134"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C"	"000"	"563-58-6"	"1,1-Dichloropropene"	"107"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"107"	"107"	"71"	"121"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C"	"000"	"56-23-5"	"Carbon Tetrachloride"	"109"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"109"	"109"	"64"	"141"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C"	"000"	"107-06-2"	"1,2-Dichloroethane"	"108"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"108"	"108"	"66"	"130"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C"	"000"	"71-43-2"	"Benzene"	"105"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"	"Percent"
"Percent"	"15.00"	"105"	"105"	"78"	"123"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C"	"000"	"79-01-6"	"Trichloroethene"	"104"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"104"	"104"	"75"	"120"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C"	"000"	"78-87-5"	"1,2-Dichloropropane"	"110"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"110"	"110"	"73"	"122"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C"	"000"	"75-27-4"	"Bromodichloromethane"	"114"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"114"	"114"	"72"	"124"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C"	"000"	"74-95-3"	"Dibromomethane"	"109"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"	"0.5000"
"Percent"	"Percent"	"15.00"	"109"	"109"	"77"	"120"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C"	"000"	"108-10-1"	"4-Methyl-2-Pentanone"	"104"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"10.00"	"10.00"	"Percent"
"Percent"	"15.00"	"104"	"104"	"58"	"125"
"QC916876"	"8260C"	"01/18/18"	"09:54:00"	"N"	"1C"	"000"	"10061-01-5"	"cis-1,3-Dichloropropene"	"113"	"SC"	"Yes"	"Y"	"Y"	"0.1"	"0.5000"
"0.5000"	"Percent"	"Percent"	"15.00"	"113"	"113"	"80"	"130"
```

"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "108-88-3" "Toluene" "113" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000" "Percent"
"Percent" "15.00" "113" "113" "80" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "10061-02-6" "trans-1,3-Dichloropropene" "113" "SC" "Yes" "Y" "Y" "0.1" "0.5000"
"0.5000" "Percent" "Percent" "15.00" "113" "113" "73" "121"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "79-00-5" "1,1,2-Trichloroethane" "114" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "114" "114" "77" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "591-78-6" "2-Hexanone" "109" "SC" "Yes" "Y" "Y" "0.2" "10.00" "10.00" "Percent"
"Percent" "15.00" "109" "109" "56" "135"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "142-28-9" "1,3-Dichloropropane" "111" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "111" "111" "79" "122"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "127-18-4" "Tetrachloroethene" "115" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "115" "115" "76" "131"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "124-48-1" "Dibromochloromethane" "112" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "112" "112" "74" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "106-93-4" "1,2-Dibromoethane" "111" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "111" "111" "76" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "108-90-7" "Chlorobenzene" "112" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "112" "112" "80" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "630-20-6" "1,1,1,2-Tetrachloroethane" "114" "SC" "Yes" "Y" "Y" "0.1" "0.5000"
"0.5000" "Percent" "Percent" "15.00" "114" "114" "77" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "100-41-4" "Ethylbenzene" "114" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "114" "114" "80" "122"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "179601-23-1" "m,p-Xylenes" "119" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "30.00" "119" "119" "79" "123"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "95-47-6" "o-Xylene" "115" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000" "Percent"
"Percent" "15.00" "115" "115" "77" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "100-42-5" "Styrene" "115" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000" "Percent"
"Percent" "15.00" "115" "115" "78" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "75-25-2" "Bromoform" "109" "SC" "Yes" "Y" "Y" "0.1" "1.000" "1.000" "Percent"
"Percent" "15.00" "109" "109" "68" "122"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "98-82-8" "Isopropylbenzene" "113" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "113" "113" "76" "125"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "79-34-5" "1,1,2,2-Tetrachloroethane" "109" "SC" "Yes" "Y" "Y" "0.1" "0.5000"
"0.5000" "Percent" "Percent" "15.00" "109" "109" "73" "129"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "96-18-4" "1,2,3-Trichloropropane" "104" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "104" "104" "68" "126"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "103-65-1" "Propylbenzene" "112" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "112" "112" "76" "124"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "108-86-1" "Bromobenzene" "109" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "109" "109" "80" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "108-67-8" "1,3,5-Trimethylbenzene" "109" "SC" "Yes" "Y" "Y" "0.1" "0.5000"
"0.5000" "Percent" "Percent" "15.00" "109" "109" "78" "127"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "95-49-8" "2-Chlorotoluene" "112" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "112" "112" "77" "123"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "106-43-4" "4-Chlorotoluene" "113" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "113" "113" "78" "123"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "98-06-6" "tert-Butylbenzene" "107" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "107" "107" "75" "126"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "95-63-6" "1,2,4-Trimethylbenzene" "107" "SC" "Yes" "Y" "Y" "0.1" "0.5000"
"0.5000" "Percent" "Percent" "15.00" "107" "107" "77" "122"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "135-98-8" "sec-Butylbenzene" "108" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "108" "108" "76" "129"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "99-87-6" "para-Isopropyl Toluene" "107" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "107" "107" "76" "129"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "541-73-1" "1,3-Dichlorobenzene" "109" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "109" "109" "80" "121"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "106-46-7" "1,4-Dichlorobenzene" "109" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "109" "109" "80" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "104-51-8" "n-Butylbenzene" "100" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "100" "100" "78" "135"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "95-50-1" "1,2-Dichlorobenzene" "109" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "109" "109" "80" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "96-12-8" "1,2-Dibromo-3-Chloropropane" "103" "SC" "Yes" "Y" "Y" "0.3" "2.000" "2.000"
"Percent" "Percent" "15.00" "103" "103" "58" "123"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "120-82-1" "1,2,4-Trichlorobenzene" "91" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "91" "91" "72" "130"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "87-68-3" "Hexachlorobutadiene" "115" "SC" "Yes" "Y" "Y" "0.3" "2.000" "2.000" "Percent"
"Percent" "15.00" "115" "115" "69" "151"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "91-20-3" "Naphthalene" "82" "SC" "Yes" "Y" "Y" "0.3" "2.000" "2.000" "Percent"
"Percent" "15.00" "82" "82" "58" "137"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "87-61-6" "1,2,3-Trichlorobenzene" "82" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "82" "82" "64" "139"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "1868-53-7" "Dibromofluoromethane" "106" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "50.00" "106" "106" "80" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "17060-07-0" "1,2-Dichloroethane-d4" "102" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "50.00" "102" "102" "73" "136"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "2037-26-5" "Toluene-d8" "103" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"50.00" "103" "103" "80" "120"
"QC916876" "8260C" "01/18/18" "09:54:00" "N" "1C" "000" "460-00-4" "Bromofluorobenzene" "101" "SUR" "Yes" "Y" "Y" "Percent"

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"Percent"                    "50.00" "101"  "101"                        "80"   "120"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "75-71-8"    "Freon 12"    "113"       "SC"   "Yes"  "Y"         "Y"   "0.2"  "1.000" "1.000" "Percent"
"Percent"                                "10.00" "113"  "113"  "12"   "43"   "142"  "22"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "74-87-3"    "Chloromethane" "133"       "SC"   "Yes"  "Y"   "Q"   "Y"   "0.2"  "1.000" "1.000" "Percent"
"Percent"                                "10.00" "133"  "133"  "3"    "40"   "145"  "30"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "75-01-4"    "Vinyl Chloride"    "112"       "SC"   "Yes"  "Y"         "Y"   "0.2"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "10.00" "112"  "112"  "5"    "63"   "138"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "74-83-9"    "Bromomethane"  "52"        "SC"   "Yes"  "Y"   "Q"   "Y"   "0.2"  "1.000" "1.000" "Percent"
"Percent"                                "10.00" "52"   "52"   "2"    "39"   "177"  "26"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "75-00-3"    "Chloroethane"  "112"       "SC"   "Yes"  "Y"         "Y"   "0.2"  "1.000" "1.000" "Percent"
"Percent"                                "10.00" "112"  "112"  "8"    "67"   "135"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "75-69-4"    "Trichlorofluoromethane"    "106"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "1.000" "1.000"
"Percent"    "Percent"                   "10.00" "106"  "106"  "8"    "62"   "142"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "67-64-1"    "Acetone"     "109"       "SC"   "Yes"  "Y"         "Y"   "3.3"  "10.00" "10.00" "Percent"
"Percent"                                "15.00" "109"  "109"  "0"    "46"   "153"  "31"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "76-13-1"    "Freon 113"   "105"       "SC"   "Yes"  "Y"         "Y"   "0.2"  "2.000" "2.000" "Percent"
"Percent"                                "15.00" "105"  "105"  "7"    "62"   "145"  "21"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "75-35-4"    "1,1-Dichloroethene"   "100"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "100"  "100"  "7"    "66"   "127"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "75-09-2"    "Methylene Chloride"   "106"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "10.00" "10.00" "Percent"
"Percent"                                "15.00" "106"  "106"  "3"    "71"   "126"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "75-15-0"    "Carbon Disulfide"    "97"        "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "97"   "97"   "4"    "63"   "134"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "1634-04-4"   "MTBE"  "107"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"      "Percent"
"Percent"                                "15.00" "107"  "107"  "3"    "63"   "120"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "156-60-5"   "trans-1,2-Dichloroethene"    "110"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"
"0.5000"     "Percent"    "Percent"                  "15.00" "110"  "110"  "4"    "67"   "120"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "108-05-4"   "Vinyl Acetate" "109"       "SC"   "Yes"  "Y"         "Y"   "0.3"  "10.00" "10.00" "Percent"
"Percent"                                "20.00" "109"  "109"  "5"    "60"   "171"  "22"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "75-34-3"    "1,1-Dichloroethane"   "110"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "110"  "110"  "2"    "69"   "127"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "78-93-3"    "2-Butanone"   "112"       "SC"   "Yes"  "Y"         "Y"   "1.0"  "10.00" "10.00" "Percent"
"Percent"                                "15.00" "112"  "112"  "5"    "53"   "142"  "25"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "156-59-2"   "cis-1,2-Dichloroethene"    "113"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"
"0.5000"     "Percent"    "Percent"                  "15.00" "113"  "113"  "2"    "75"   "129"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "594-20-7"   "2,2-Dichloropropane"  "124"       "SC"   "Yes"  "Y"   "Q"   "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "124"  "124"  "8"    "73"   "150"  "21"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "67-66-3"    "Chloroform"   "110"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "110"  "110"  "2"    "70"   "126"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "74-97-5"    "Bromochloromethane"   "108"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "108"  "108"  "2"    "75"   "126"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "71-55-6"    "1,1,1-Trichloroethane" "105"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "105"  "105"  "7"    "67"   "134"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "563-58-6"   "1,1-Dichloropropene"  "103"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "103"  "103"  "4"    "71"   "121"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "56-23-5"    "Carbon Tetrachloride"  "103"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "103"  "103"  "5"    "64"   "141"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "107-06-2"   "1,2-Dichloroethane"   "108"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "108"  "108"  "0"    "66"   "130"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "71-43-2"    "Benzene"     "106"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"      "Percent"
"Percent"                                "15.00" "106"  "106"  "1"    "78"   "123"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "79-01-6"    "Trichloroethene"     "104"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "104"  "104"  "0"    "75"   "120"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "78-87-5"    "1,2-Dichloropropane"  "108"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00" "108"  "108"  "2"    "73"   "122"  "20"
"QC916877"   "8260C" "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "75-27-4"    "Bromodichloromethane"  "110"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00"   "110"    "110"    "3"   "72"   "124"    "20"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "74-95-3"   "Dibromomethane"   "108"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"      "Percent"
"Percent"                                "15.00"   "108"    "108"    "1"   "77"   "120"    "20"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "108-10-1"   "4-Methyl-2-Pentanone"   "101"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "10.00"       "10.00"
"Percent"    "Percent"                   "15.00"   "101"    "101"    "2"   "58"   "125"    "20"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "10061-01-5"   "cis-1,3-Dichloropropene"    "112"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00"   "112"    "112"    "1"   "80"   "130"    "20"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "108-88-3"   "Toluene"     "108"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"      "Percent"
"Percent"                                "15.00"   "108"    "108"    "5"   "80"   "120"    "20"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "10061-02-6"   "trans-1,3-Dichloropropene"  "108"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00"   "108"    "108"    "5"   "73"   "121"    "20"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "79-00-5"   "1,1,2-Trichloroethane"  "108"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00"   "108"    "108"    "6"   "77"   "120"    "20"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "591-78-6"   "2-Hexanone"  "110"       "SC"   "Yes"  "Y"         "Y"   "0.2"  "10.00"       "10.00"       "Percent"
"Percent"                                "15.00"   "110"    "110"    "1"   "56"   "135"    "24"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "142-28-9"   "1,3-Dichloropropane"  "108"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00"   "108"    "108"    "3"   "79"   "122"    "20"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "127-18-4"   "Tetrachloroethene"   "108"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00"   "108"    "108"    "6"   "76"   "131"    "20"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "124-48-1"   "Dibromochloromethane"   "106"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00"   "106"    "106"    "6"   "74"   "120"    "20"
"QC916877"   "8260C"   "01/18/18"   "10:30:00"   "N"   "1C"   "000"  "106-93-4"   "1,2-Dibromoethane"   "109"       "SC"   "Yes"  "Y"         "Y"   "0.1"  "0.5000"      "0.5000"
"Percent"    "Percent"                   "15.00"   "109"    "109"    "2"   "76"   "120"    "20"
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"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "108-90-7" "Chlorobenzene" "110" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "110" "110" "2" "80" "120" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "630-20-6" "1,1,1,2-Tetrachloroethane" "110" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "110" "110" "3" "77" "120" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "100-41-4" "Ethylbenzene" "110" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "110" "110" "4" "80" "122" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "179601-23-1""m,p-Xylenes""115" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000" "Percent"
"Percent" "30.00" "115" "115" "3" "79" "123" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "95-47-6""o-Xylene" "113" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000" "Percent"
"Percent" "15.00" "113" "113" "2" "77" "120" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "100-42-5" "Styrene" "112" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000" "Percent"
"Percent" "15.00" "112" "112" "3" "78" "120" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "75-25-2""Bromoform" "103" "SC" "Yes" "Y" "Y" "0.1" "1.000" "1.000" "Percent"
"Percent" "15.00" "103" "103" "6" "68" "122" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "98-82-8""Isopropylbenzene""110" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000" "Percent"
"Percent" "15.00" "110" "110" "3" "76" "125" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "79-34-5""1,1,2,2-Tetrachloroethane" "106" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "106" "106" "3" "73" "129" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "96-18-4""1,2,3-Trichloropropane" "103" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "103" "103" "1" "68" "126" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "103-65-1" "Propylbenzene" "109" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "109" "109" "3" "76" "124" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "108-86-1" "Bromobenzene" "109" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "109" "109" "0" "80" "120" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "108-67-8" "1,3,5-Trimethylbenzene" "107" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "107" "107" "3" "78" "127" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "95-49-8""2-Chlorotoluene" "108" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000" "Percent"
"Percent" "15.00" "108" "108" "3" "77" "123" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "106-43-4" "4-Chlorotoluene" "109" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "109" "109" "4" "78" "123" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "98-06-6""tert-Butylbenzene""104" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000" "Percent"
"Percent" "15.00" "104" "104" "3" "75" "126" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "95-63-6""1,2,4-Trimethylbenzene" "101" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "101" "101" "5" "77" "122" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "135-98-8" "sec-Butylbenzene""104" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "104" "104" "4" "76" "129" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "99-87-6""para-Isopropyl Toluene" "104" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "104" "104" "3" "76" "129" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "541-73-1" "1,3-Dichlorobenzene" "110" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "110" "110" "0" "80" "121" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "106-46-7" "1,4-Dichlorobenzene" "108" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "108" "108" "1" "80" "120" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "104-51-8" "n-Butylbenzene" "95" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000" "Percent"
"Percent" "15.00" "95" "95" "5" "78" "135" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "95-50-1""1,2-Dichlorobenzene" "109" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "109" "109" "0" "80" "120" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "96-12-8""1,2-Dibromo-3-Chloropropane" "99" "SC" "Yes" "Y" "Y" "0.3" "2.000" "2.000"
"Percent" "Percent" "15.00" "99" "99" "4" "58" "123" "21"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "120-82-1" "1,2,4-Trichlorobenzene" "81" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "81" "81" "12" "72" "130" "20"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "87-68-3""Hexachlorobutadiene" "97" "SC" "Yes" "Y" "Y" "0.3" "2.000" "2.000" "Percent"
"Percent" "15.00" "97" "97" "16" "69" "151" "22"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "91-20-3""Naphthalene" "77" "SC" "Yes" "Y" "Y" "0.3" "2.000" "2.000" "Percent" "Percent"
"15.00" "77" "77" "7" "58" "137" "21"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "87-61-6""1,2,3-Trichlorobenzene" "75" "SC" "Yes" "Y" "Y" "0.1" "0.5000" "0.5000"
"Percent" "Percent" "15.00" "75" "75" "9" "64" "139" "21"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "1868-53-7" "Dibromofluoromethane" "106" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "50.00" "106" "106" "80" "120"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "17060-07-0" "1,2-Dichloroethane-d4" "101" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "50.00" "101" "101" "73" "136"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "2037-26-5" "Toluene-d8" "99" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"50.00" "99" "99" "80" "120"
"QC916877" "8260C" "01/18/18" "10:30:00" "N" "1C""000" "460-00-4" "Bromofluorobenzene" "100" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "50.00" "100" "100" "80" "120"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "75-71-8""Freon 12" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "74-87-3""Chloromethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L"
"ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "75-01-4""Vinyl Chloride" "0.5" "TRG" "Yes" "N" "U" "Y" "0.2" "0.5" "0.5" "ug/L"
"ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "74-83-9""Bromomethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L"
"ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "75-00-3""Chloroethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.2" "1.0" "1.0" "ug/L"
"ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "75-69-4""Trichlorofluoromethane" "1.0" "TRG" "Yes" "N" "U" "Y" "0.1" "1.0" "1.0"
"ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "67-64-1""Acetone" "10" "TRG" "Yes" "N" "U" "Y" "3.3" "10" "10" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "76-13-1""Freon 113" "2.0" "TRG" "Yes" "N" "U" "Y" "0.2" "2.0" "2.0" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "75-35-4""1,1-Dichloroethene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L"
"ug/L"

"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "75-09-2""Methylene Chloride" "10" "TRG" "Yes" "N" "U" "Y" "0.1" "10" "10" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "75-15-0""Carbon Disulfide" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "1634-04-4" "MTBE" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "156-60-5" "trans-1,2-Dichloroethene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "108-05-4" "Vinyl Acetate" "10" "TRG" "Yes" "N" "U" "Y" "0.3" "10" "10" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "75-34-3""1,1-Dichloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "78-93-3""2-Butanone" "10" "TRG" "Yes" "N" "U" "Y" "1.0" "10" "10" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "156-59-2" "cis-1,2-Dichloroethene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "594-20-7" "2,2-Dichloropropane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "67-66-3""Chloroform" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "74-97-5""Bromochloromethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "71-55-6""1,1,1-Trichloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "563-58-6" "1,1-Dichloropropene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "56-23-5""Carbon Tetrachloride" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "107-06-2" "1,2-Dichloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "71-43-2""Benzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "79-01-6""Trichloroethene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "78-87-5""1,2-Dichloropropane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "75-27-4""Bromodichloromethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "74-95-3""Dibromomethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "108-10-1" "4-Methyl-2-Pentanone" "10" "TRG" "Yes" "N" "U" "Y" "0.1" "10" "10" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "10061-01-5" "cis-1,3-Dichloropropene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "108-88-3" "Toluene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "10061-02-6" "trans-1,3-Dichloropropene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "79-00-5""1,1,2-Trichloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "591-78-6" "2-Hexanone" "10" "TRG" "Yes" "N" "U" "Y" "0.2" "10" "10" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "142-28-9" "1,3-Dichloropropane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "127-18-4" "Tetrachloroethene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "124-48-1" "Dibromochloromethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "106-93-4" "1,2-Dibromoethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "108-90-7" "Chlorobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "630-20-6" "1,1,1,2-Tetrachloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "100-41-4" "Ethylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "179601-23-1""m,p-Xylenes" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "95-47-6""o-Xylene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "100-42-5" "Styrene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "75-25-2""Bromoform" "1.0" "TRG" "Yes" "N" "U" "Y" "0.1" "1.0" "1.0" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "98-82-8""Isopropylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "79-34-5""1,1,2,2-Tetrachloroethane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "96-18-4""1,2,3-Trichloropropane" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "103-65-1" "Propylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "108-86-1" "Bromobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "108-67-8" "1,3,5-Trimethylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "95-49-8""2-Chlorotoluene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "106-43-4" "4-Chlorotoluene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"

"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "98-06-6""tert-Butylbenzene""0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "95-63-6""1,2,4-Trimethylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "135-98-8" "sec-Butylbenzene""0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "99-87-6""para-Isopropyl Toluene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "541-73-1" "1,3-Dichlorobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "106-46-7" "1,4-Dichlorobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "104-51-8" "n-Butylbenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "95-50-1""1,2-Dichlorobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "96-12-8""1,2-Dibromo-3-Chloropropane" "2.0" "TRG" "Yes" "N" "U" "Y" "0.3" "2.0" "2.0" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "120-82-1" "1,2,4-Trichlorobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "87-68-3""Hexachlorobutadiene" "2.0" "TRG" "Yes" "N" "U" "Y" "0.3" "2.0" "2.0" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "91-20-3""Naphthalene" "2.0" "TRG" "Yes" "N" "U" "Y" "0.3" "2.0" "2.0" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "87-61-6""1,2,3-Trichlorobenzene" "0.5" "TRG" "Yes" "N" "U" "Y" "0.1" "0.5" "0.5" "ug/L" "ug/L"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "1868-53-7" "Dibromofluoromethane" "101" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "50.00" "101" "101" "80" "120"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "17060-07-0" "1,2-Dichloroethane-d4" "100" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "50.00" "100" "100" "73" "136"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "2037-26-5" "Toluene-d8" "106" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "50.00" "106" "106" "80" "120"
"QC916880" "8260C" "01/18/18" "13:06:00" "N" "1C""000" "460-00-4" "Bromofluorobenzene" "116" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "50.00" "116" "116" "80" "120"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "62-75-9""N-Nitrosodimethylamine" "9.8" "TRG" "Yes" "N" "U" "Y" "1.4" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "108-95-2" "Phenol" "9.8" "TRG" "Yes" "N" "U" "Y" "1.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "111-44-4" "bis(2-Chloroethyl)ether" "9.8" "TRG" "Yes" "N" "U" "Y" "1.2" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "95-57-8""2-Chlorophenol" "9.8" "TRG" "Yes" "N" "U" "Y" "0.80" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "541-73-1" "1,3-Dichlorobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "106-46-7" "1,4-Dichlorobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "100-51-6" "Benzyl alcohol" "9.8" "TRG" "Yes" "N" "U" "Y" "1.1" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "95-50-1""1,2-Dichlorobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "2.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "95-48-7""2-Methylphenol" "9.8" "TRG" "Yes" "N" "U" "Y" "2.1" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "108-60-1" "bis(2-Chloroisopropyl) ether" "9.8" "TRG" "Yes" "N" "U" "Y" "1.4" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "106-44-5" "4-Methylphenol" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "621-64-7" "N-Nitroso-di-n-propylamine" "9.8" "TRG" "Yes" "N" "U" "Y" "1.2" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "67-72-1""Hexachloroethane" "9.8" "TRG" "Yes" "N" "U" "Y" "1.1" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "98-95-3""Nitrobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.2" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "78-59-1""Isophorone" "9.8" "TRG" "Yes" "N" "U" "Y" "1.3" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "88-75-5""2-Nitrophenol" "20" "TRG" "Yes" "N" "U" "Y" "2.6" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "105-67-9" "2,4-Dimethylphenol" "9.8" "TRG" "Yes" "N" "U" "Y" "2.4" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "111-91-1" "bis(2-Chloroethoxy)methane" "9.8" "TRG" "Yes" "N" "U" "Y" "1.1" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "120-83-2" "2,4-Dichlorophenol" "9.8" "TRG" "Yes" "N" "U" "Y" "2.1" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "120-82-1" "1,2,4-Trichlorobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "2.2" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "91-20-3""Naphthalene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.9" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "106-47-8" "4-Chloroaniline" "9.8" "TRG" "Yes" "N" "U" "Y" "2.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "87-68-3""Hexachlorobutadiene" "9.8" "TRG" "Yes" "N" "U" "Y" "2.3" "9.8" "9.8" "ug/L" "ug/L"

"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "59-50-7""4-Chloro-3-methylphenol" "9.8" "TRG" "Yes" "N" "U" "Y" "1.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "91-57-6""2-Methylnaphthalene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "77-47-4""Hexachlorocyclopentadiene""20" "TRG" "Yes" "N" "U" "Y" "4.9" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "88-06-2""2,4,6-Trichlorophenol" "9.8" "TRG" "Yes" "N" "U" "Y" "0.90" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "95-95-4""2,4,5-Trichlorophenol" "9.8" "TRG" "Yes" "N" "U" "Y" "0.83" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "91-58-7""2-Chloronaphthalene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "88-74-4""2-Nitroaniline" "20" "TRG" "Yes" "N" "U" "Y" "1.2" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "131-11-3" "Dimethylphthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "2.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "208-96-8" "Acenaphthylene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "606-20-2" "2,6-Dinitrotoluene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "99-09-2""3-Nitroaniline" "20" "TRG" "Yes" "N" "U" "Y" "1.9" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "83-32-9""Acenaphthene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "51-28-5""2,4-Dinitrophenol" "20" "TRG" "Yes" "N" "U" "Y" "4.9" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "100-02-7" "4-Nitrophenol" "20" "TRG" "Yes" "N" "U" "Y" "4.9" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "132-64-9" "Dibenzofuran" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "121-14-2" "2,4-Dinitrotoluene" "9.8" "TRG" "Yes" "N" "U" "Y" "2.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "84-66-2""Diethylphthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "1.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "86-73-7""Fluorene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "7005-72-3" "4-Chlorophenyl-phenylether" "9.8" "TRG" "Yes" "N" "U" "Y" "1.6" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "100-01-6" "4-Nitroaniline" "20" "TRG" "Yes" "N" "U" "Y" "2.4" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "534-52-1" "4,6-Dinitro-2-methylphenol""20" "TRG" "Yes" "N" "U" "Y" "4.9" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "86-30-6""N-Nitrosodiphenylamine" "9.8" "TRG" "Yes" "N" "U" "Y" "1.6" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "103-33-3" "Azobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.1" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "101-55-3" "4-Bromophenyl-phenylether" "9.8" "TRG" "Yes" "N" "U" "Y" "2.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "118-74-1" "Hexachlorobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.9" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "87-86-5""Pentachlorophenol" "20" "TRG" "Yes" "N" "U" "Y" "1.9" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "85-01-8""Phenanthrene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.9" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "120-12-7" "Anthracene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "84-74-2""Di-n-butylphthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "1.2" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "206-44-0" "Fluoranthene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.9" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "129-00-0" "Pyrene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.6" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "85-68-7""Butylbenzylphthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "0.99" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "91-94-1""3,3'-Dichlorobenzidine" "20" "TRG" "Yes" "N" "U" "Y" "1.0" "20" "20" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "56-55-3""Benzo(a)anthracene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.6" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "218-01-9" "Chrysene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "117-81-7" "bis(2-Ethylhexyl)phthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "117-84-0" "Di-n-octylphthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "205-99-2" "Benzo(b)fluoranthene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "207-08-9" "Benzo(k)fluoranthene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.9" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "50-32-8""Benzo(a)pyrene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.5" "9.8" "9.8"

"ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "193-39-5" "Indeno(1,2,3-cd)pyrene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8"
"9.8" "9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "53-70-3""Dibenz(a,h)anthracene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "191-24-2" "Benzo(g,h,i)perylene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "367-12-4" "2-Fluorophenol" "78" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "39.22" "78" "78" "19" "119"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "4165-62-2" "Phenol-d5" "75" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "39.22" "75" "75" "33" "120"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "118-79-6" "2,4,6-Tribromophenol" "81" "SUR" "Yes" "Y" "Y"
"Percent" "Percent" "39.22" "81" "81" "43" "140"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "4165-60-0" "Nitrobenzene-d5" "81" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "39.22" "81" "81" "44" "120"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "321-60-8" "2-Fluorobiphenyl" "64" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "39.22" "64" "64" "44" "119"
"MINS-LW01-20180116" "8270D" "01/22/18" "15:35:00" "N" "1C""000" "1718-51-0" "Terphenyl-d14" "32" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "39.22" "32" "32" "50" "134" "*"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "62-75-9""N-Nitrosodimethylamine" "9.8" "TRG" "Yes" "N" "U" "Y" "1.4" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "108-95-2" "Phenol" "9.8" "TRG" "Yes" "N" "U" "Y" "1.0" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "111-44-4" "bis(2-Chloroethyl)ether" "9.8" "TRG" "Yes" "N" "U" "Y" "1.2"
"9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "95-57-8""2-Chlorophenol" "9.8" "TRG" "Yes" "N" "U" "Y" "0.80" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "541-73-1" "1,3-Dichlorobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.0" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "106-46-7" "1,4-Dichlorobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.0" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "100-51-6" "Benzyl alcohol" "9.8" "TRG" "Yes" "N" "U" "Y" "1.1" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "95-50-1""1,2-Dichlorobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "2.0" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "95-48-7""2-Methylphenol" "9.8" "TRG" "Yes" "N" "U" "Y" "2.1" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "108-60-1" "bis(2-Chloroisopropyl) ether" "9.8" "TRG" "Yes" "N" "U" "Y" "1.4"
"9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "106-44-5" "4-Methylphenol" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "621-64-7" "N-Nitroso-di-n-propylamine" "9.8" "TRG" "Yes" "N" "U" "Y" "1.2"
"9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "67-72-1""Hexachloroethane" "9.8" "TRG" "Yes" "N" "U" "Y" "1.1" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "98-95-3""Nitrobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.2" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "78-59-1""Isophorone" "9.8" "TRG" "Yes" "N" "U" "Y" "1.3" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "88-75-5""2-Nitrophenol" "20" "TRG" "Yes" "N" "U" "Y" "2.6" "20" "20" "ug/L"
"ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "105-67-9" "2,4-Dimethylphenol" "9.8" "TRG" "Yes" "N" "U" "Y" "2.4" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "111-91-1" "bis(2-Chloroethoxy)methane" "9.8" "TRG" "Yes" "N" "U" "Y" "1.1"
"9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C""000" "120-83-2" "2,4-Dichlorophenol" "9.8" "TRG" "Yes" "N" "U" "Y" "2.1" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "120-82-1" "1,2,4-Trichlorobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "2.2" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "91-20-3" "Naphthalene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.9" "9.8" "9.8" "ug/L"
"ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "106-47-8" "4-Chloroaniline" "9.8" "TRG" "Yes" "N" "U" "Y" "2.0" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "87-68-3" "Hexachlorobutadiene" "9.8" "TRG" "Yes" "N" "U" "Y" "2.3" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "59-50-7" "4-Chloro-3-methylphenol" "9.8" "TRG" "Yes" "N" "U" "Y" "1.0" "9.8"
"9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "91-57-6" "2-Methylnaphthalene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "77-47-4" "Hexachlorocyclopentadiene" "20" "TRG" "Yes" "N" "U" "Y" "4.9" "20"
"20" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "88-06-2" "2,4,6-Trichlorophenol" "9.8" "TRG" "Yes" "N" "U" "Y" "0.90" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "95-95-4" "2,4,5-Trichlorophenol" "9.8" "TRG" "Yes" "N" "U" "Y" "0.83" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "91-58-7" "2-Chloronaphthalene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8"
"ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "88-74-4" "2-Nitroaniline" "20" "TRG" "Yes" "N" "U" "Y" "1.2" "20" "20"
"ug/L" "ug/L"

"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "131-11-3" "Dimethylphthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "2.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "208-96-8" "Acenaphthylene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "606-20-2" "2,6-Dinitrotoluene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "99-09-2" "3-Nitroaniline" "20" "TRG" "Yes" "N" "U" "Y" "1.9" "20" "20" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "83-32-9" "Acenaphthene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "51-28-5" "2,4-Dinitrophenol" "20" "TRG" "Yes" "N" "U" "Y" "4.9" "20" "20" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "100-02-7" "4-Nitrophenol" "20" "TRG" "Yes" "N" "U" "Y" "4.9" "20" "20" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "132-64-9" "Dibenzofuran" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "121-14-2" "2,4-Dinitrotoluene" "9.8" "TRG" "Yes" "N" "U" "Y" "2.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "84-66-2" "Diethylphthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "1.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "86-73-7" "Fluorene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "7005-72-3" "4-Chlorophenyl-phenylether" "9.8" "TRG" "Yes" "N" "U" "Y" "1.6" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "100-01-6" "4-Nitroaniline" "20" "TRG" "Yes" "N" "U" "Y" "2.4" "20" "20" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "534-52-1" "4,6-Dinitro-2-methylphenol" "20" "TRG" "Yes" "N" "U" "Y" "4.9" "20" "20" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "86-30-6" "N-Nitrosodiphenylamine" "9.8" "TRG" "Yes" "N" "U" "Y" "1.6" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "103-33-3" "Azobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.1" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "101-55-3" "4-Bromophenyl-phenylether" "9.8" "TRG" "Yes" "N" "U" "Y" "2.0" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "118-74-1" "Hexachlorobenzene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.9" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "87-86-5" "Pentachlorophenol" "20" "TRG" "Yes" "N" "U" "Y" "1.9" "20" "20" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "85-01-8" "Phenanthrene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.9" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "120-12-7" "Anthracene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "84-74-2" "Di-n-butylphthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "1.2" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "206-44-0" "Fluoranthene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.9" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "129-00-0" "Pyrene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.6" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "85-68-7" "Butylbenzylphthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "0.99" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "91-94-1" "3,3'-Dichlorobenzidine" "20" "TRG" "Yes" "N" "U" "Y" "1.0" "20" "20" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "56-55-3" "Benzo(a)anthracene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.6" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "218-01-9" "Chrysene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "117-81-7" "bis(2-Ethylhexyl)phthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "117-84-0" "Di-n-octylphthalate" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "205-99-2" "Benzo(b)fluoranthene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "207-08-9" "Benzo(k)fluoranthene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.9" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "50-32-8" "Benzo(a)pyrene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.5" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "193-39-5" "Indeno(1,2,3-cd)pyrene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "53-70-3" "Dibenz(a,h)anthracene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.7" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "191-24-2" "Benzo(g,h,i)perylene" "9.8" "TRG" "Yes" "N" "U" "Y" "1.8" "9.8" "9.8" "ug/L" "ug/L"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "367-12-4" "2-Fluorophenol" "89" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "39.22" "89" "89" "19" "119"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "4165-62-2" "Phenol-d5" "80" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "39.22" "80" "80" "33" "120"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "118-79-6" "2,4,6-Tribromophenol" "95" "SUR" "Yes" "Y" "Y" "Percent" "Percent" "39.22" "95" "95" "43" "140"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "4165-60-0" "Nitrobenzene-d5" "85" "SUR" "Yes" "Y" "Y"

"Percent" "Percent" "39.22" "85" "85" "44" "120"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "321-60-8" "2-Fluorobiphenyl" "86" "SUR" "Yes" "Y" "Y"
"Percent" "Percent" "39.22" "86" "86" "44" "119"
"MINS-LW02-20180116" "8270D" "01/22/18" "16:04:00" "N" "1C" "000" "1718-51-0" "Terphenyl-d14" "45" "SUR" "Yes" "Y" "Y" "Percent"
"Percent" "39.22" "45" "45" "50" "134" "*"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "62-75-9" "N-Nitrosodimethylamine" "10" "TRG" "Yes" "N" "U" "Y" "0.76" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "108-95-2" "Phenol" "10" "TRG" "Yes" "N" "U" "Y" "0.98" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "111-44-4" "bis(2-Chloroethyl)ether" "10" "TRG" "Yes" "N" "U" "Y" "1.8" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "95-57-8" "2-Chlorophenol" "10" "TRG" "Yes" "N" "U" "Y" "1.0" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "541-73-1" "1,3-Dichlorobenzene" "10" "TRG" "Yes" "N" "U" "Y" "0.67" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "106-46-7" "1,4-Dichlorobenzene" "10" "TRG" "Yes" "N" "U" "Y" "0.65" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "100-51-6" "Benzyl alcohol" "10" "TRG" "Yes" "N" "U" "Y" "0.59" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "95-50-1" "1,2-Dichlorobenzene" "10" "TRG" "Yes" "N" "U" "Y" "0.69" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "95-48-7" "2-Methylphenol" "10" "TRG" "Yes" "N" "U" "Y" "0.63" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "108-60-1" "bis(2-Chloroisopropyl) ether" "10" "TRG" "Yes" "N" "U" "Y" "0.81" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "106-44-5" "4-Methylphenol" "10" "TRG" "Yes" "N" "U" "Y" "0.60" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "621-64-7" "N-Nitroso-di-n-propylamine" "10" "TRG" "Yes" "N" "U" "Y" "0.84" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "67-72-1" "Hexachloroethane" "10" "TRG" "Yes" "N" "U" "Y" "2.0" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "98-95-3" "Nitrobenzene" "10" "TRG" "Yes" "N" "U" "Y" "0.60" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "78-59-1" "Isophorone" "10" "TRG" "Yes" "N" "U" "Y" "0.67" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "88-75-5" "2-Nitrophenol" "20" "TRG" "Yes" "N" "U" "Y" "3.1" "20" "20" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "105-67-9" "2,4-Dimethylphenol" "10" "TRG" "Yes" "N" "U" "Y" "0.69" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "111-91-1" "bis(2-Chloroethoxy)methane" "10" "TRG" "Yes" "N" "U" "Y" "0.70" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "120-83-2" "2,4-Dichlorophenol" "10" "TRG" "Yes" "N" "U" "Y" "0.73" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "120-82-1" "1,2,4-Trichlorobenzene" "10" "TRG" "Yes" "N" "U" "Y" "0.61" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "91-20-3" "Naphthalene" "10" "TRG" "Yes" "N" "U" "Y" "0.58" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "106-47-8" "4-Chloroaniline" "10" "TRG" "Yes" "N" "U" "Y" "0.65" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "87-68-3" "Hexachlorobutadiene" "10" "TRG" "Yes" "N" "U" "Y" "1.0" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "59-50-7" "4-Chloro-3-methylphenol" "10" "TRG" "Yes" "N" "U" "Y" "0.82" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "91-57-6" "2-Methylnaphthalene" "10" "TRG" "Yes" "N" "U" "Y" "0.70" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "77-47-4" "Hexachlorocyclopentadiene" "20" "TRG" "Yes" "N" "U" "Y" "6.7" "20" "20" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "88-06-2" "2,4,6-Trichlorophenol" "10" "TRG" "Yes" "N" "U" "Y" "1.1" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "95-95-4" "2,4,5-Trichlorophenol" "10" "TRG" "Yes" "N" "U" "Y" "1.1" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "91-58-7" "2-Chloronaphthalene" "10" "TRG" "Yes" "N" "U" "Y" "0.70" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "88-74-4" "2-Nitroaniline" "20" "TRG" "Yes" "N" "U" "Y" "2.6" "20" "20" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "131-11-3" "Dimethylphthalate" "10" "TRG" "Yes" "N" "U" "Y" "0.66" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "208-96-8" "Acenaphthylene" "10" "TRG" "Yes" "N" "U" "Y" "0.58" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "606-20-2" "2,6-Dinitrotoluene" "10" "TRG" "Yes" "N" "U" "Y" "0.67" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "99-09-2" "3-Nitroaniline" "20" "TRG" "Yes" "N" "U" "Y" "0.84" "20" "20" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "83-32-9" "Acenaphthene" "10" "TRG" "Yes" "N" "U" "Y" "0.70" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "51-28-5" "2,4-Dinitrophenol" "20" "TRG" "Yes" "N" "U" "Y" "6.7" "20" "20" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "100-02-7" "4-Nitrophenol" "20" "TRG" "Yes" "N" "U" "Y" "2.0" "20" "20" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "132-64-9" "Dibenzofuran" "10" "TRG" "Yes" "N" "U" "Y" "0.70" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "121-14-2" "2,4-Dinitrotoluene" "10" "TRG" "Yes" "N" "U" "Y" "0.65" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "84-66-2" "Diethylphthalate" "10" "TRG" "Yes" "N" "U" "Y" "0.68" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "86-73-7" "Fluorene" "10" "TRG" "Yes" "N" "U" "Y" "0.57" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "7005-72-3" "4-Chlorophenyl-phenylether" "10" "TRG" "Yes" "N" "U" "Y" "1.0" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "100-01-6" "4-Nitroaniline" "20" "TRG" "Yes" "N" "U" "Y" "3.3" "20" "20" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "534-52-1" "4,6-Dinitro-2-methylphenol" "20" "TRG" "Yes" "N" "U" "Y" "2.5" "20" "20" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "86-30-6" "N-Nitrosodiphenylamine" "10" "TRG" "Yes" "N" "U" "Y" "1.9" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "103-33-3" "Azobenzene" "10" "TRG" "Yes" "N" "U" "Y" "0.65" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "101-55-3" "4-Bromophenyl-phenylether" "10" "TRG" "Yes" "N" "U" "Y" "1.0" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "118-74-1" "Hexachlorobenzene" "10" "TRG" "Yes" "N" "U" "Y" "0.68" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "87-86-5" "Pentachlorophenol" "20" "TRG" "Yes" "N" "U" "Y" "2.0" "20" "20" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "85-01-8" "Phenanthrene" "10" "TRG" "Yes" "N" "U" "Y" "0.71" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "120-12-7" "Anthracene" "10" "TRG" "Yes" "N" "U" "Y" "0.62" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "84-74-2" "Di-n-butylphthalate" "10" "TRG" "Yes" "N" "U" "Y" "1.4" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "206-44-0" "Fluoranthene" "10" "TRG" "Yes" "N" "U" "Y" "0.77" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "129-00-0" "Pyrene" "10" "TRG" "Yes" "N" "U" "Y" "0.74" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "85-68-7" "Butylbenzylphthalate" "10" "TRG" "Yes" "N" "U" "Y" "0.82" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "91-94-1" "3,3'-Dichlorobenzidine" "20" "TRG" "Yes" "N" "U" "Y" "2.5" "20" "20" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C" "000" "56-55-3" "Benzo(a)anthracene" "10" "TRG" "Yes" "N" "U" "Y" "0.75" "10" "10" "ug/L" "ug/L"

"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "218-01-9" "Chrysene" "10" "TRG" "Yes" "N" "U" "Y" "0.70" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "117-81-7" "bis(2-Ethylhexyl)phthalate" "10" "TRG" "Yes" "N" "U" "Y" "1.6" "10" "10" "ug/L"
"ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "117-84-0" "Di-n-octylphthalate" "10" "TRG" "Yes" "N" "U" "Y" "0.63" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "205-99-2" "Benzo(b)fluoranthene" "10" "TRG" "Yes" "N" "U" "Y" "0.71" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "207-08-9" "Benzo(k)fluoranthene" "10" "TRG" "Yes" "N" "U" "Y" "0.66" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "50-32-8""Benzo(a)pyrene" "10" "TRG" "Yes" "N" "U" "Y" "0.57" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "193-39-5" "Indeno(1,2,3-cd)pyrene" "10" "TRG" "Yes" "N" "U" "Y" "0.77" "10" "10" "ug/L"
"ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "53-70-3""Dibenz(a,h)anthracene" "10" "TRG" "Yes" "N" "U" "Y" "0.79" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "191-24-2" "Benzo(g,h,i)perylene" "10" "TRG" "Yes" "N" "U" "Y" "0.87" "10" "10" "ug/L" "ug/L"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "367-12-4" "2-Fluorophenol" "97" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"40.00" "97" "97" "19" "119"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "4165-62-2" "Phenol-d5" "101" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"40.00" "101" "101" "33" "120"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "118-79-6" "2,4,6-Tribromophenol" "85" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"40.00" "85" "85" "43" "140"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "4165-60-0" "Nitrobenzene-d5" "112" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"40.00" "112" "112" "44" "120"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "321-60-8" "2-Fluorobiphenyl" "98" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"40.00" "98" "98" "44" "119"
"QC916959" "8270D" "01/19/18" "17:03:00" "N" "1C""000" "1718-51-0" "Terphenyl-d14" "97" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"40.00" "97" "97" "50" "134"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "62-75-9""N-Nitrosodimethylamine" "81" "SC" "Yes" "Y" "Y" "0.76" "10.00" "10.00"
"Percent" "Percent" "80.00" "81" "81" "40" "120"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "108-95-2" "Phenol" "90" "SC" "Yes" "Y" "Y" "0.98" "10.00" "10.00" "Percent" "Percent"
"80.00" "90" "90" "56" "120"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "111-44-4" "bis(2-Chloroethyl)ether" "93" "SC" "Yes" "Y" "Y" "1.8" "10.00" "10.00"
"Percent" "Percent" "80.00" "93" "93" "43" "118"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "95-57-8""2-Chlorophenol" "89" "SC" "Yes" "Y" "Y" "1.0" "10.00" "10.00" "Percent"
"Percent" "80.00" "89" "89" "38" "117"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "541-73-1" "1,3-Dichlorobenzene" "75" "SC" "Yes" "Y" "Y" "0.67" "10.00" "10.00"
"Percent" "Percent" "80.00" "75" "75" "28" "110"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "106-46-7" "1,4-Dichlorobenzene" "75" "SC" "Yes" "Y" "Y" "0.65" "10.00" "10.00"
"Percent" "Percent" "80.00" "75" "75" "29" "112"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "100-51-6" "Benzyl alcohol" "97" "SC" "Yes" "Y" "Y" "0.59" "10.00" "10.00" "Percent"
"Percent" "80.00" "97" "97" "31" "112"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "95-50-1""1,2-Dichlorobenzene" "78" "SC" "Yes" "Y" "Y" "0.69" "10.00" "10.00" "Percent"
"Percent" "80.00" "78" "78" "32" "111"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "95-48-7""2-Methylphenol" "84" "SC" "Yes" "Y" "Y" "0.63" "10.00" "10.00" "Percent"
"Percent" "80.00" "84" "84" "30" "117"
"QC916960" "8270D" "01/19/18" "15:21:00" "N" "1C""RA0" "108-60-1" "bis(2-Chloroisopropyl) ether" "72" "SC" "Yes" "Y" "Y" "1.4" "10.00" "10.00"
"Percent" "Percent" "80.00" "72" "72" "37" "130"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "106-44-5" "4-Methylphenol" "91" "SC" "Yes" "Y" "Y" "0.60" "10.00" "10.00" "Percent"
"Percent" "80.00" "91" "91" "25" "120"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "621-64-7" "N-Nitroso-di-n-propylamine" "80" "SC" "Yes" "Y" "Y" "0.84" "10.00" "10.00"
"Percent" "Percent" "80.00" "80" "80" "49" "119"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "67-72-1""Hexachloroethane" "76" "SC" "Yes" "Y" "Y" "2.0" "10.00" "10.00" "Percent"
"Percent" "80.00" "76" "76" "21" "115"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "98-95-3""Nitrobenzene" "97" "SC" "Yes" "Y" "Y" "0.60" "10.00" "10.00" "Percent"
"Percent" "80.00" "97" "97" "45" "121"
"QC916960" "8270D" "01/19/18" "15:21:00" "N" "1C""RA0" "78-59-1""Isophorone" "83" "SC" "Yes" "Y" "Y" "1.3" "10.00" "10.00" "Percent" "Percent"
"80.00" "83" "83" "42" "124"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "88-75-5""2-Nitrophenol" "100" "SC" "Yes" "Y" "Y" "3.1" "20.00" "20.00" "Percent"
"Percent" "80.00" "100" "100" "47" "123"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "105-67-9" "2,4-Dimethylphenol" "82" "SC" "Yes" "Y" "Y" "0.69" "10.00" "10.00"
"Percent" "Percent" "80.00" "82" "82" "31" "124"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "111-91-1" "bis(2-Chloroethoxy)methane" "102" "SC" "Yes" "Y" "Y" "0.70" "10.00"
"10.00" "Percent" "Percent" "30.00" "102" "102" "48" "120"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "120-83-2" "2,4-Dichlorophenol" "93" "SC" "Yes" "Y" "Y" "0.73" "10.00" "10.00"
"Percent" "Percent" "80.00" "93" "93" "47" "121"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "120-82-1" "1,2,4-Trichlorobenzene" "83" "SC" "Yes" "Y" "Y" "0.61" "10.00" "10.00"
"Percent" "Percent" "80.00" "83" "83" "29" "116"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "91-20-3""Naphthalene" "88" "SC" "Yes" "Y" "Y" "0.58" "10.00" "10.00" "Percent" "Percent"
"30.00" "88" "88" "40" "121"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "106-47-8" "4-Chloroaniline" "58" "SC" "Yes" "Y" "Y" "0.65" "10.00" "10.00" "Percent"
"Percent" "80.00" "58" "58" "33" "117"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "87-68-3""Hexachlorobutadiene" "74" "SC" "Yes" "Y" "Y" "1.0" "10.00" "10.00" "Percent"
"Percent" "80.00" "74" "74" "22" "124"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "59-50-7""4-Chloro-3-methylphenol" "95" "SC" "Yes" "Y" "Y" "0.82" "10.00" "10.00"
"Percent" "Percent" "80.00" "95" "95" "52" "119"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "91-57-6""2-Methylnaphthalene" "87" "SC" "Yes" "Y" "Y" "0.70" "10.00" "10.00" "Percent"
"Percent" "30.00" "87" "87" "40" "121"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "77-47-4""Hexachlorocyclopentadiene" "44" "SC" "Yes" "Y" "Y" "6.7" "20.00" "20.00"
"Percent" "Percent" "80.00" "44" "44" "3" "120"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "88-06-2""2,4,6-Trichlorophenol" "94" "SC" "Yes" "Y" "Y" "1.1" "10.00" "10.00" "Percent"
"Percent" "80.00" "94" "94" "43" "140"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "95-95-4""2,4,5-Trichlorophenol" "97" "SC" "Yes" "Y" "Y" "1.1" "10.00" "10.00" "Percent"
"Percent" "80.00" "97" "97" "53" "123"

"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "91-58-7""2-Chloronaphthalene" "85" "SC" "Yes" "Y" "Y" "0.70" "10.00" "10.00" "Percent"
"Percent" "30.00" "85" "85" "40" "116"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "88-74-4""2-Nitroaniline" "99" "SC" "Yes" "Y" "Y" "2.6" "20.00" "20.00" "Percent"
"Percent" "80.00" "99" "99" "55" "127"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "131-11-3" "Dimethylphthalate" "91" "SC" "Yes" "Y" "Y" "0.66" "10.00" "10.00"
"Percent" "Percent" "80.00" "91" "91" "45" "127"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "208-96-8" "Acenaphthylene" "87" "SC" "Yes" "Y" "Y" "0.58" "10.00" "10.00" "Percent"
"Percent" "30.00" "87" "87" "41" "130"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "606-20-2" "2,6-Dinitrotoluene" "97" "SC" "Yes" "Y" "Y" "0.67" "10.00" "10.00"
"Percent" "Percent" "80.00" "97" "97" "57" "124"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "99-09-2""3-Nitroaniline" "95" "SC" "Yes" "Y" "Y" "0.84" "20.00" "20.00" "Percent"
"Percent" "80.00" "95" "95" "41" "128"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "83-32-9""Acenaphthene" "88" "SC" "Yes" "Y" "Y" "0.70" "10.00" "10.00" "Percent"
"Percent" "30.00" "88" "88" "47" "122"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "51-28-5""2,4-Dinitrophenol" "84" "SC" "Yes" "Y" "Y" "6.7" "20.00" "20.00" "Percent"
"Percent" "80.00" "84" "84" "23" "143"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "100-02-7" "4-Nitrophenol" "95" "SC" "Yes" "Y" "Y" "2.0" "20.00" "20.00" "Percent"
"Percent" "80.00" "95" "95" "52" "120"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "132-64-9" "Dibenzofuran" "85" "SC" "Yes" "Y" "Y" "0.70" "10.00" "10.00" "Percent"
"Percent" "30.00" "85" "85" "53" "118"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "121-14-2" "2,4-Dinitrotoluene" "96" "SC" "Yes" "Y" "Y" "0.65" "10.00" "10.00"
"Percent" "Percent" "80.00" "96" "96" "57" "128"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "84-66-2""Diethylphthalate" "95" "SC" "Yes" "Y" "Y" "0.68" "10.00" "10.00" "Percent"
"Percent" "30.00" "95" "95" "56" "125"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "86-73-7""Fluorene" "90" "SC" "Yes" "Y" "Y" "0.57" "10.00" "10.00" "Percent" "Percent"
"30.00" "90" "90" "52" "124"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "7005-72-3" "4-Chlorophenyl-phenylether" "89" "SC" "Yes" "Y" "Y" "1.0" "10.00" "10.00"
"Percent" "Percent" "30.00" "89" "89" "53" "121"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "100-01-6" "4-Nitroaniline" "92" "SC" "Yes" "Y" "Y" "3.3" "20.00" "20.00" "Percent"
"Percent" "80.00" "92" "92" "42" "120"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "534-52-1" "4,6-Dinitro-2-methylphenol""98" "SC" "Yes" "Y" "Y" "2.5" "20.00" "20.00"
"Percent" "Percent" "80.00" "98" "98" "44" "137"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "86-30-6""N-Nitrosodiphenylamine" "82" "SC" "Yes" "Y" "Y" "1.9" "10.00" "10.00"
"Percent" "Percent" "30.00" "82" "82" "51" "123"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "103-33-3" "Azobenzene" "93" "SC" "Yes" "Y" "Y" "0.65" "10.00" "10.00" "Percent"
"Percent" "30.00" "93" "93" "61" "116"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "101-55-3" "4-Bromophenyl-phenylether" "87" "SC" "Yes" "Y" "Y" "1.0" "10.00" "10.00"
"Percent" "Percent" "30.00" "87" "87" "55" "124"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "118-74-1" "Hexachlorobenzene" "94" "SC" "Yes" "Y" "Y" "0.68" "10.00" "10.00"
"Percent" "Percent" "80.00" "94" "94" "53" "125"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "87-86-5""Pentachlorophenol" "95" "SC" "Yes" "Y" "Y" "2.0" "20.00" "20.00" "Percent"
"Percent" "80.00" "95" "95" "35" "138"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "85-01-8""Phenanthrene" "87" "SC" "Yes" "Y" "Y" "0.71" "10.00" "10.00" "Percent"
"Percent" "30.00" "87" "87" "59" "120"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "120-12-7" "Anthracene" "86" "SC" "Yes" "Y" "Y" "0.62" "10.00" "10.00" "Percent"
"Percent" "30.00" "86" "86" "57" "123"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "84-74-2""Di-n-butylphthalate" "89" "SC" "Yes" "Y" "Y" "1.4" "10.00" "10.00" "Percent"
"Percent" "30.00" "89" "89" "59" "127"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "206-44-0" "Fluoranthene" "88" "SC" "Yes" "Y" "Y" "0.77" "10.00" "10.00" "Percent"
"Percent" "30.00" "88" "88" "57" "128"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "129-00-0" "Pyrene" "90" "SC" "Yes" "Y" "Y" "0.74" "10.00" "10.00" "Percent" "Percent"
"30.00" "90" "90" "57" "126"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "85-68-7""Butylbenzylphthalate" "90" "SC" "Yes" "Y" "Y" "0.82" "10.00" "10.00" "Percent"
"Percent" "30.00" "90" "90" "53" "134"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "91-94-1""3,3'-Dichlorobenzidine" "74" "SC" "Yes" "Y" "Y" "2.5" "20.00" "20.00"
"Percent" "Percent" "80.00" "74" "74" "27" "129"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "56-55-3""Benzo(a)anthracene" "88" "SC" "Yes" "Y" "Y" "0.75" "10.00" "10.00" "Percent"
"Percent" "30.00" "88" "88" "58" "125"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "218-01-9" "Chrysene" "88" "SC" "Yes" "Y" "Y" "0.70" "10.00" "10.00" "Percent"
"Percent" "30.00" "88" "88" "59" "123"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "117-81-7" "bis(2-Ethylhexyl)phthalate" "95" "SC" "Yes" "Y" "Y" "1.6" "10.00" "10.00"
"Percent" "Percent" "30.00" "95" "95" "55" "135"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "117-84-0" "Di-n-octylphthalate" "91" "SC" "Yes" "Y" "Y" "0.63" "10.00" "10.00"
"Percent" "Percent" "30.00" "91" "91" "51" "140"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "205-99-2" "Benzo(b)fluoranthene" "88" "SC" "Yes" "Y" "Y" "0.71" "10.00" "10.00"
"Percent" "Percent" "30.00" "88" "88" "53" "131"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "207-08-9" "Benzo(k)fluoranthene" "90" "SC" "Yes" "Y" "Y" "0.66" "10.00" "10.00"
"Percent" "Percent" "30.00" "90" "90" "57" "129"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "50-32-8""Benzo(a)pyrene" "84" "SC" "Yes" "Y" "Y" "0.57" "10.00" "10.00" "Percent"
"Percent" "30.00" "84" "84" "54" "128"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "193-39-5" "Indeno(1,2,3-cd)pyrene" "92" "SC" "Yes" "Y" "Y" "0.77" "10.00" "10.00"
"Percent" "Percent" "30.00" "92" "92" "52" "134"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "53-70-3""Dibenz(a,h)anthracene" "93" "SC" "Yes" "Y" "Y" "0.79" "10.00" "10.00" "Percent"
"Percent" "30.00" "93" "93" "51" "134"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "191-24-2" "Benzo(g,h,i)perylene" "94" "SC" "Yes" "Y" "Y" "0.87" "10.00" "10.00"
"Percent" "Percent" "30.00" "94" "94" "50" "134"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "367-12-4" "2-Fluorophenol" "87" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"40.00" "87" "87" "19" "119"
"QC916960" "8270D" "01/19/18" "17:39:00" "N" "1C""000" "4165-62-2" "Phenol-d5" "89" "SUR" "Yes" "Y" "Y" "Percent" "Percent"

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"40.00"  "89" "89"                    "33" "120"
"QC916960"  "8270D"  "01/19/18"  "17:39:00"  "N"  "1C""000"  "118-79-6"  "2,4,6-Tribromophenol" "90"  "SUR"  "Yes"  "Y"  "Y"  "Percent" "Percent"
"40.00"  "90" "90"                    "43" "140"
"QC916960"  "8270D"  "01/19/18"  "17:39:00"  "N"  "1C""000"  "4165-60-0"  "Nitrobenzene-d5" "98"  "SUR"  "Yes"  "Y"  "Y"  "Percent" "Percent"
"40.00"  "98" "98"                    "44" "120"
"QC916960"  "8270D"  "01/19/18"  "17:39:00"  "N"  "1C""000"  "321-60-8"  "2-Fluorobiphenyl" "87"  "SUR"  "Yes"  "Y"  "Y"  "Percent" "Percent"
"40.00"  "87" "87"                    "44" "119"
"QC916960"  "8270D"  "01/19/18"  "17:39:00"  "N"  "1C""000"  "1718-51-0"  "Terphenyl-d14"  "94"  "SUR"  "Yes"  "Y"  "Y"  "Percent" "Percent"
"40.00"  "94" "94"                    "50" "134"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "62-75-9""N-Nitrosodimethylamine"  "92"  "SC"  "Yes"  "Y"  "Y"  "0.76"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "92" "92" "13" "40" "120"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "108-95-2"  "Phenol"  "102"  "SC"  "Yes"  "Y"  "Y"  "0.98"  "10.00"  "10.00"  "Percent"
"Percent"                             "80.00"  "102"  "102"  "13" "56" "120"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "111-44-4"  "bis(2-Chloroethyl)ether"  "104"  "SC"  "Yes"  "Y"  "Y"  "1.8"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "104"  "104"  "11" "43" "118"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "95-57-8""2-Chlorophenol"  "100"  "SC"  "Yes"  "Y"  "Y"  "1.0"  "10.00"  "10.00"  "Percent"
"Percent"                             "80.00"  "100"  "100"  "12" "38" "117"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "541-73-1"  "1,3-Dichlorobenzene"  "83"  "SC"  "Yes"  "Y"  "Y"  "0.67"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "83" "83" "11" "28" "110"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "106-46-7"  "1,4-Dichlorobenzene"  "83"  "SC"  "Yes"  "Y"  "Y"  "0.65"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "83" "83" "11" "29" "112"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "100-51-6"  "Benzyl alcohol"  "111"  "SC"  "Yes"  "Y"  "Y"  "0.59"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "111"  "111"  "13" "31" "112"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "95-50-1""1,2-Dichlorobenzene"  "86"  "SC"  "Yes"  "Y"  "Y"  "0.69"  "10.00"  "10.00"  "Percent"
"Percent"                             "80.00"  "86" "86" "9"  "32" "111"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "95-48-7""2-Methylphenol"  "95"  "SC"  "Yes"  "Y"  "Y"  "0.63"  "10.00"  "10.00"  "Percent"
"Percent"                             "80.00"  "95" "95" "11" "30" "117"  "20"
"QC916961"  "8270D"  "01/19/18"  "15:51:00"  "N"  "1C""RA0"  "108-60-1"  "bis(2-Chloroisopropyl) ether"  "88"  "SC"  "Yes"  "Y"  "Y"  "1.4"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "88" "88" "20" "37" "130"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "106-44-5"  "4-Methylphenol"  "103"  "SC"  "Yes"  "Y"  "Y"  "0.60"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "103"  "103"  "13" "25" "120"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "621-64-7"  "N-Nitroso-di-n-propylamine"  "87"  "SC"  "Yes"  "Y"  "Y"  "0.84"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "87" "87" "9"  "49" "119"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "67-72-1""Hexachloroethane"  "86"  "SC"  "Yes"  "Y"  "Y"  "2.0"  "10.00"  "10.00"  "Percent"
"Percent"                             "80.00"  "86" "86" "12" "21" "115"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "98-95-3""Nitrobenzene"  "109"  "SC"  "Yes"  "Y"  "Y"  "0.60"  "10.00"  "10.00"  "Percent"
"Percent"                             "80.00"  "109"  "109"  "12" "45" "121"  "20"
"QC916961"  "8270D"  "01/19/18"  "15:51:00"  "N"  "1C""RA0"  "78-59-1""Isophorone"  "102"  "SC"  "Yes"  "Y"  "Y"  "1.3"  "10.00"  "10.00"  "Percent"
"Percent"                             "80.00"  "102"  "102"  "20" "42" "124"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "88-75-5""2-Nitrophenol"  "113"  "SC"  "Yes"  "Y"  "Y"  "3.1"  "20.00"  "20.00"  "Percent"
"Percent"                             "80.00"  "113"  "113"  "12" "47" "123"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "105-67-9"  "2,4-Dimethylphenol"  "91"  "SC"  "Yes"  "Y"  "Y"  "0.69"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "91" "91" "11" "31" "124"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "111-91-1"  "bis(2-Chloroethoxy)methane"  "116"  "SC"  "Yes"  "Y"  "Y"  "0.70"  "10.00"
"10.00"  "Percent" "Percent"                  "30.00"  "116"  "116"  "13" "48" "120"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "120-83-2"  "2,4-Dichlorophenol"  "103"  "SC"  "Yes"  "Y"  "Y"  "0.73"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "103"  "103"  "10" "47" "121"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "120-82-1"  "1,2,4-Trichlorobenzene"  "92"  "SC"  "Yes"  "Y"  "Y"  "0.61"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "92" "92" "11" "29" "116"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "91-20-3""Naphthalene" "99"  "SC"  "Yes"  "Y"  "Y"  "0.58"  "10.00"  "10.00"  "Percent" "Percent"
"30.00"  "99" "99" "12" "40" "121"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "106-47-8"  "4-Chloroaniline"  "86"  "SC"  "Yes"  "Y"  "Y"  "0.65"  "10.00"  "10.00"  "Percent"
"Percent"                             "80.00"  "86" "86" "38" "33" "117"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "87-68-3""Hexachlorobutadiene"  "82"  "SC"  "Yes"  "Y"  "Y"  "1.0"  "10.00"  "10.00"  "Percent"
"Percent"                             "80.00"  "82" "82" "11" "22" "124"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "59-50-7""4-Chloro-3-methylphenol"  "106"  "SC"  "Yes"  "Y"  "Y"  "0.82"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "106"  "106"  "11" "52" "119"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "91-57-6""2-Methylnaphthalene"  "99"  "SC"  "Yes"  "Y"  "Y"  "0.70"  "10.00"  "10.00"  "Percent"
"Percent"                             "30.00"  "99" "99" "13" "40" "121"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "77-47-4""Hexachlorocyclopentadiene""46"  "SC"  "Yes"  "Y"  "Y"  "6.7"  "20.00"  "20.00"
"Percent" "Percent"                   "80.00"  "46" "46" "6"  "3"  "120"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "88-06-2""2,4,6-Trichlorophenol" "107"  "SC"  "Yes"  "Y"  "Y"  "1.1"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "107"  "107"  "13" "43" "140"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "95-95-4""2,4,5-Trichlorophenol" "110"  "SC"  "Yes"  "Y"  "Y"  "1.1"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "110"  "110"  "12" "53" "123"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "91-58-7""2-Chloronaphthalene"  "99"  "SC"  "Yes"  "Y"  "Y"  "0.70"  "10.00"  "10.00"  "Percent"
"Percent"                             "30.00"  "99" "99" "15" "40" "116"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "88-74-4""2-Nitroaniline"  "114"  "SC"  "Yes"  "Y"  "Y"  "2.6"  "20.00"  "20.00"  "Percent"
"Percent"                             "80.00"  "114"  "114"  "14" "55" "127"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "131-11-3"  "Dimethylphthalate"  "103"  "SC"  "Yes"  "Y"  "Y"  "0.66"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "103"  "103"  "12" "45" "127"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "208-96-8"  "Acenaphthylene"  "100"  "SC"  "Yes"  "Y"  "Y"  "0.58"  "10.00"  "10.00"
"Percent" "Percent"                   "30.00"  "100"  "100"  "14" "41" "130"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "606-20-2"  "2,6-Dinitrotoluene"  "111"  "SC"  "Yes"  "Y"  "Y"  "0.67"  "10.00"  "10.00"
"Percent" "Percent"                   "80.00"  "111"  "111"  "13" "57" "124"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "99-09-2""3-Nitroaniline"  "108"  "SC"  "Yes"  "Y"  "Y"  "0.84"  "20.00"  "20.00"  "Percent"
"Percent"                             "80.00"  "108"  "108"  "12" "41" "128"  "20"
"QC916961"  "8270D"  "01/19/18"  "18:17:00"  "N"  "1C""000"  "83-32-9""Acenaphthene"  "102"  "SC"  "Yes"  "Y"  "Y"  "0.70"  "10.00"  "10.00"  "Percent"
"Percent"                             "30.00"  "102"  "102"  "15" "47" "122"  "20"
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"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "51-28-5""2,4-Dinitrophenol" "97" "SC" "Yes" "Y" "Y" "6.7" "20.00" "20.00" "Percent"
"Percent" "80.00" "97" "97" "14" "23" "143" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "100-02-7" "4-Nitrophenol" "111" "SC" "Yes" "Y" "Y" "2.0" "20.00" "20.00"
"Percent" "Percent" "80.00" "111" "111" "15" "52" "120" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "132-64-9" "Dibenzofuran" "97" "SC" "Yes" "Y" "Y" "Y" "0.70" "10.00" "10.00" "Percent"
"Percent" "30.00" "97" "97" "13" "53" "118" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "121-14-2" "2,4-Dinitrotoluene" "108" "SC" "Yes" "Y" "Y" "0.65" "10.00" "10.00"
"Percent" "Percent" "80.00" "108" "108" "12" "57" "128" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "84-66-2""Diethylphthalate" "108" "SC" "Yes" "Y" "Y" "0.68" "10.00" "10.00" "Percent"
"Percent" "30.00" "108" "108" "13" "56" "125" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "86-73-7""Fluorene" "105" "SC" "Yes" "Y" "Y" "0.57" "10.00" "10.00" "Percent"
"Percent" "30.00" "105" "105" "15" "52" "124" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "7005-72-3" "4-Chlorophenyl-phenylether" "106" "SC" "Yes" "Y" "Y" "1.0" "10.00"
"10.00" "Percent" "Percent" "30.00" "106" "106" "17" "53" "121" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "100-01-6" "4-Nitroaniline" "108" "SC" "Yes" "Y" "Y" "3.3" "20.00" "20.00"
"Percent" "Percent" "80.00" "108" "108" "16" "42" "120" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "534-52-1" "4,6-Dinitro-2-methylphenol" "115" "SC" "Yes" "Y" "Y" "2.5" "20.00" "20.00"
"Percent" "Percent" "80.00" "115" "115" "16" "44" "137" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "86-30-6""N-Nitrosodiphenylamine" "95" "SC" "Yes" "Y" "Y" "1.9" "10.00" "10.00"
"Percent" "Percent" "30.00" "95" "95" "14" "51" "123" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "103-33-3" "Azobenzene" "109" "SC" "Yes" "Y" "Y" "0.65" "10.00" "10.00" "Percent"
"Percent" "30.00" "109" "109" "16" "61" "116" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "101-55-3" "4-Bromophenyl-phenylether" "105" "SC" "Yes" "Y" "Y" "1.0" "10.00"
"10.00" "Percent" "Percent" "30.00" "105" "105" "19" "55" "124" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "118-74-1" "Hexachlorobenzene" "110" "SC" "Yes" "Y" "Y" "0.68" "10.00" "10.00"
"Percent" "Percent" "80.00" "110" "110" "16" "53" "125" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "87-86-5""Pentachlorophenol" "114" "SC" "Yes" "Y" "Y" "2.0" "20.00" "20.00"
"Percent" "Percent" "80.00" "114" "114" "18" "35" "138" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "85-01-8""Phenanthrene" "101" "SC" "Yes" "Y" "Y" "0.71" "10.00" "10.00" "Percent"
"Percent" "30.00" "101" "101" "15" "59" "120" "20"
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"Percent" "30.00" "102" "102" "18" "57" "123" "20"
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"Percent" "Percent" "30.00" "105" "105" "16" "59" "127" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "206-44-0" "Fluoranthene" "103" "SC" "Yes" "Y" "Y" "0.77" "10.00" "10.00"
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"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "129-00-0" "Pyrene" "108" "SC" "Yes" "Y" "Y" "0.74" "10.00" "10.00" "Percent"
"Percent" "30.00" "108" "108" "18" "57" "126" "20"
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"Percent" "Percent" "30.00" "106" "106" "17" "53" "134" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "91-94-1""3,3'-Dichlorobenzidine" "87" "SC" "Yes" "Y" "Y" "2.5" "20.00" "20.00"
"Percent" "Percent" "80.00" "87" "87" "16" "27" "129" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "56-55-3""Benzo(a)anthracene" "105" "SC" "Yes" "Y" "Y" "0.75" "10.00" "10.00"
"Percent" "Percent" "30.00" "105" "105" "17" "58" "125" "20"
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"Percent" "Percent" "30.00" "110" "110" "19" "51" "140" "20"
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"Percent" "Percent" "30.00" "107" "107" "19" "53" "131" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "207-08-9" "Benzo(k)fluoranthene" "108" "SC" "Yes" "Y" "Y" "0.66" "10.00" "10.00"
"Percent" "Percent" "30.00" "108" "108" "19" "57" "129" "20"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "50-32-8""Benzo(a)pyrene" "103" "SC" "Yes" "Y" "Y" "0.57" "10.00" "10.00" "Percent"
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"Percent" "Percent" "30.00" "114" "114" "20" "51" "134" "20"
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"40.00" "101" "101" "19" "119"
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"40.00" "101" "101" "33" "120"
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"40.00" "111" "111" "44" "120"
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"40.00" "98" "98" "44" "119"
"QC916961" "8270D" "01/19/18" "18:17:00" "N" "1C""000" "1718-51-0" "Terphenyl-d14" "108" "SUR" "Yes" "Y" "Y" "Percent" "Percent"
"40.00" "108" "108" "50" "134"
"QC919197" "7470A" "02/08/18" "08:33:00" "T" "NA" "000" "7439-97-6" "Mercury" "0.13" "TRG" "Yes" "Y" "J" "N" "0.040" "0.20" "0.20" "ug/L"
"ug/L"
"QC919198" "7470A" "02/07/18" "15:42:00" "T" "NA" "000" "7439-97-6" "Mercury" "99" "SC" "Yes" "Y" "N" "0.040" "0.2000" "0.2000" "Percent"
"Percent" "2.000" "99" "99" "80" "120"
"QC919199" "7470A" "02/07/18" "15:43:00" "T" "NA" "000" "7439-97-6" "Mercury" "106" "SC" "Yes" "Y" "N" "0.040" "0.2000" "0.2000"

"Percent" "Percent" "2.000" "106" "106" "6" "80" "120" "20"
"QC919283" "6020A" "02/08/18" "22:14:00" "T" "NA" "000" "7440-36-0" "Antimony" "1.0" "TRG" "Yes" "N" "U" "N" "0.048" "1.0" "1.0" "ug/L" "ug/L"
"QC919283" "6020A" "02/08/18" "22:14:00" "T" "NA" "000" "7440-38-2" "Arsenic" "1.0" "TRG" "Yes" "N" "U" "N" "0.21" "1.0" "1.0" "ug/L" "ug/L"
"QC919283" "6020A" "02/08/18" "22:14:00" "T" "NA" "000" "7440-39-3" "Barium" "1.0" "TRG" "Yes" "N" "U" "N" "0.10" "1.0" "1.0" "ug/L" "ug/L"
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"QC919283" "6020A" "02/08/18" "22:14:00" "T" "NA" "000" "7440-02-0" "Nickel" "1.0" "TRG" "Yes" "N" "U" "N" "0.042" "1.0" "1.0" "ug/L" "ug/L"
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"Percent" "100.0" "100" "100" "0" "74" "127" "23"
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"ug/L"
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"ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7440-39-3" "Barium" "1400" "TRG" "Yes" "Y" "N" "2.5" "13" "13" "ug/L"
"ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7440-41-7" "Beryllium" "13" "TRG" "Yes" "N" "U" "N" "0.84" "13" "13"
"ug/L" "ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7440-43-9" "Cadmium" "3.9" "TRG" "Yes" "Y" "J" "N" "2.1" "13" "13"
"ug/L" "ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7440-47-3" "Chromium" "36" "TRG" "Yes" "Y" "N" "8.3" "25" "25" "ug/L"
"ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7440-48-4" "Cobalt" "6.3" "TRG" "Yes" "Y" "J" "N" "0.40" "13" "13" "ug/L"
"ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7440-50-8" "Copper" "160" "TRG" "Yes" "Y" "Q" "N" "4.3" "13" "13"
"ug/L" "ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7439-92-1" "Lead" "300" "TRG" "Yes" "Y" "N" "1.3" "13" "13" "ug/L"
"ug/L"
"MINS-LW01-20180116" "7470A" "02/08/18" "08:43:00" "D" "NA" "000" "7439-97-6" "Mercury" "1.7" "TRG" "Yes" "Y" "Q" "N" "0.040" "0.20"
"0.20" "ug/L" "ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7439-98-7" "Molybdenum" "25" "TRG" "Yes" "Y" "N" "5.0" "15" "15"
"ug/L" "ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:34:00" "D" "NA" "DL1" "7440-02-0" "Nickel" "250" "TRG" "Yes" "Y" "Q" "N" "0.21" "2.5" "2.5"
"ug/L" "ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7782-49-2" "Selenium" "13" "TRG" "Yes" "N" "U" "N" "1.4" "13" "13" "ug/L"
"ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7440-22-4" "Silver" "13" "TRG" "Yes" "N" "U" "N" "0.57" "13" "13" "ug/L"
"ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7440-28-0" "Thallium" "6.3" "TRG" "Yes" "N" "U" "N" "0.54" "6.3"
"6.3" "ug/L" "ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7440-62-2" "Vanadium" "26" "TRG" "Yes" "Y" "N" "5.4" "16" "16" "ug/L"
"ug/L"
"MINS-LW01-20180116" "6020A" "02/09/18" "13:29:00" "D" "NA" "DL1" "7440-66-6" "Zinc" "1300" "TRG" "Yes" "Y" "N" "19" "57" "57" "ug/L"
"ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:45:00" "D" "NA" "000" "7440-36-0" "Antimony" "3.3" "TRG" "Yes" "Y" "N" "0.048" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:39:00" "D" "NA" "DL1" "7440-38-2" "Arsenic" "34" "TRG" "Yes" "Y" "N" "1.1" "3.2" "3.2"
"ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "14:39:00" "D" "NA" "DL1" "7440-39-3" "Barium" "300" "TRG" "Yes" "Y" "N" "0.50" "2.5" "2.5"
"ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:39:00" "D" "NA" "DL1" "7440-41-7" "Beryllium" "2.5" "TRG" "Yes" "N" "U" "N" "0.17" "2.5"
"2.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:39:00" "D" "NA" "DL1" "7440-43-9" "Cadmium" "13" "TRG" "Yes" "Y" "N" "0.41" "2.5" "2.5"
"ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:39:00" "D" "NA" "DL1" "7440-47-3" "Chromium" "23" "TRG" "Yes" "Y" "N" "1.7" "5.0" "5.0"
"ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:39:00" "D" "NA" "DL1" "7440-48-4" "Cobalt" "51" "TRG" "Yes" "Y" "N" "0.079" "2.5" "2.5"
"ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:45:00" "D" "NA" "000" "7440-50-8" "Copper" "30" "TRG" "Yes" "Y" "Q" "N" "0.17" "1.0" "1.0"
"ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "14:39:00" "D" "NA" "DL1" "7439-92-1" "Lead" "8.1" "TRG" "Yes" "Y" "N" "0.25" "2.5" "2.5"
"ug/L" "ug/L"
"MINS-LW02-20180116" "7470A" "02/08/18" "08:44:00" "D" "NA" "000" "7439-97-6" "Mercury" "0.20" "TRG" "Yes" "N" "U" "N" "0.040" "0.20"
"0.20" "ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:45:00" "D" "NA" "000" "7439-98-7" "Molybdenum" "2.1" "TRG" "Yes" "Y" "N" "0.20" "1.0"
"1.0" "ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "14:39:00" "D" "NA" "DL1" "7440-02-0" "Nickel" "230" "TRG" "Yes" "Y" "Q" "N" "0.21" "2.5" "2.5"
"ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:39:00" "D" "NA" "DL1" "7782-49-2" "Selenium" "0.57" "TRG" "Yes" "Y" "J" "N" "0.29" "2.5"
"2.5" "ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:39:00" "D" "NA" "DL1" "7440-22-4" "Silver" "2.5" "TRG" "Yes" "N" "U" "N" "0.11" "2.5" "2.5"
"ug/L" "ug/L"

"MINS-LW02-20180116" "6020A" "02/09/18" "14:39:00" "D" "NA" "DL1" "7440-28-0" "Thallium" "1.3" "TRG" "Yes" "N" "U" "N" "0.11" "1.3" "1.3" "ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "13:45:00" "D" "NA" "000" "7440-62-2" "Vanadium" "17" "TRG" "Yes" "Y" "N" "0.21" "1.0" "1.0" "ug/L" "ug/L"
"MINS-LW02-20180116" "6020A" "02/09/18" "14:39:00" "D" "NA" "DL1" "7440-66-6" "Zinc" "720" "TRG" "Yes" "Y" "N" "3.8" "11" "11" "ug/L" "ug/L"

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

KMEA
2423 Hoover Ave.
National City, CA 91950
ATTN: Kimberly Shiroodi

March 2, 2018

SUBJECT: Mare Island, TO 008, Data Validation

Dear Ms. Shiroodi,

Enclosed are the final validation reports for the fraction listed below. These SDGs were received on February 13, 2018. Attachment 1 is a summary of the samples that were reviewed for analysis.

LDC Project #40693:

SDG #	Fraction
1800121, 1800127	Perfluorinated Alkyl Acids

The data validation was performed under Stage 2B & 4 validation guidelines. The analyses were validated using the following documents and variances, as applicable to each method:

- Final Sampling and Analysis Plan for Initial Assessment of Perfluorinated Compounds (PFCs) or Per- and Polyfluoroalkyl Substances (PFAS) Sites at Various Base Realignment and Closure (BRAC) Installations, Former Mare Island Naval Shipyard, Vallejo, California, November 2017
- Final Sampling and Analysis Plan for Initial Assessment of Perfluorinated Compounds (PFCs) or Per- and Polyfluoroalkyl Substances (PFAS) Sites at Various Base Realignment and Closure (BRAC) Installations, March 2017
- U.S. Department of Defense Quality Systems Manual for Environmental Laboratories, Version 5.1, 2017
- USEPA, Program National Functional Guidelines for Superfund Organic Methods Data Review, August 2014

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist

868 pages-ADV

Attachment 1

90/10 (client select) EDD

LDC #40693 (KMEA San Diego, CA / Mare Island, TO 008)

LDC	SDG#	DATE REC'D	(2) 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	1800121	02/13/18	02/28/18	11	0																																
A	1800121	02/13/18	02/28/18	1	0																																
B	1800127	02/13/18	02/28/18	7	0																																
B	1800127	02/13/18	02/28/18	1	0																																
Total	T/PG			20	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	20

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\KMEA\Mare Island\40693ST.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mare Island, TO 008

LDC Report Date: March 1, 2018

Parameters: Perfluorinated Alkyl Acids

Validation Level: Stage 2B & 4

Laboratory: Vista Analytical Laboratory

Sample Delivery Group (SDG): 1800121

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
IRSite5-GW-05W07-20180115**	1800121-03**	Water	01/15/18
IRSite5-GW-05W06-20180115	1800121-04	Water	01/15/18
IRSite5-GW-05W08-20180115	1800121-05	Water	01/15/18
IRSite5-GW-05W01-20180115	1800121-06	Water	01/15/18
IRSite5-GW-05W03-20180115	1800121-07	Water	01/15/18
UXOSite14-GW-DPW79A-20180115	1800121-08	Water	01/15/18
UXOSite14-GW-DPW78A-20180115	1800121-09	Water	01/15/18
UXOSite14-GW-DPW77A-20180115	1800121-10	Water	01/15/18
IRSite1-GW-01W48A-20180115	1800121-11	Water	01/15/18
IRSite1-GW-01W49A-20180115	1800121-12	Water	01/15/18
IRSite1-GW-01W13A-20180115	1800121-13	Water	01/15/18
DUP01-20180115	1800121-14	Water	01/15/18
IRSite1-GW-01W48A-20180115MS	1800121-11MS	Water	01/15/18
IRSite1-GW-01W48A-20180115MSD	1800121-11MSD	Water	01/15/18

**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 Perfluorinated Compounds (PFCs) or Per- and Polyfluoroalkyl Substances (PFAS) Sites at Various Base Realignment and Closure (BRAC) Installations, Former Mare Island Naval Shipyard, Vallejo, California, (November 2017), the Final Sampling and Analysis Plan for the Initial Assessment of Per-Fluorinated Compounds (PFCS) or Per- and Polyfluoroalkyl Substances (PFAS) Sites at Various Base Realignment and Closure (BRAC) Installations (March 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 Superfund Organic Methods Data Review (August 2014). 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 at 12 hour intervals.

III. Initial Calibration and Initial Calibration Verification

An 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) of its 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 the required frequencies.

The percent differences (%D) were less than or equal to 30.0% for all compounds with the following exceptions:

Date	Compound	%D	Associated Samples	Flag	A or P
01/29/18	PFTeDA	+34.2	IRSite5-GW-05W07-20180115** IRSite5-GW-05W08-20180115	NA	-

V. Laboratory Blanks

Laboratory blanks were analyzed as required by the method. No contaminants were found in the laboratory blanks.

VI. Field Blanks

Sample EB01-20180115 was identified as an equipment blank. No contaminants were found.

Sample SB01-20180115 was identified as a source blank. No contaminants were found.

VII. 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
IRSite1-GW-01W48A-20180115MS/MSD (IRSite1-GW-01W48A-20180115)	PFHxS	135 (70-130)	-	J (all detects)	A
IRSite1-GW-01W48A-20180115MS/MSD (IRSite1-GW-01W48A-20180115)	PFDoA	145 (70-130)	-	NA	-

Relative percent differences (RPD) were within QC limits.

VIII. Laboratory Control Samples/Ongoing Precision Recovery

Laboratory control samples (LCS) were analyzed as required by the method. Percent recoveries (%R) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	%R (Limits)	Flag	A or P
BSA0115-BS1 (All samples in SDG 1800121)	PFUnA	159 (70-130)	NA	-

Ongoing precision recovery (OPR) samples were analyzed as required by the method. Percent recoveries (%R) were within QC limits.

IX. Field Duplicates

Samples IRSite1-GW-01W13A-20180115 and DUP01-20180115 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ng/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
	IRSite1-GW-01W13A-20180115	DUP01-20180115				
PFBS	38.9	42.4	9 (≤30)	-	-	-
PFHxA	135	127	6 (≤30)	-	-	-
PFHpA	89.1	82.6	8 (≤30)	-	-	-

Compound	Concentration (ng/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
	IRSite1-GW-01W13A-20180115	DUP01-20180115				
PFHxS	102	95.5	7 (≤30)	-	-	-
PFOA	113	105	7 (≤30)	-	-	-
PFOS	11.6	11.1	-	0.5 (≤4.04)	-	-
PFNA	0.801	2.35U	-	1.549 (≤4.04)	-	-

X. Internal Standards

All internal standard recoveries (%R) were within QC limits with the following exceptions:

Sample	Internal Standards	%R (Limits)	Affected Compound	Flag	A or P
IRSite5-GW-05W07-20180115**	13C2-PFTeDA	44.9 (50-150)	PFTeDA	NA	-
IRSite5-GW-05W08-20180115	13C2-PFDoA	48.6 (50-150)	PFDoA PFTrDA	NA	-
IRSite1-GW-01W48A-20180115	13C2-PFTeDA	49.6 (50-15)	PFTeDA	NA	-

XI. Compound Quantitation

All compound quantitations met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

XII. 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.

XIII. System Performance

The system performance was acceptable for samples which underwent Stage 4 validation. 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.

Due to MS/MSD %R, data were qualified as estimated in one sample.

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.

Mare Island, TO 008
Perfluorinated Alkyl Acids - Data Qualification Summary - SDG 1800121

Sample	Compound	Flag	A or P	Reason
IRSite1-GW-01W48A-20180115	PFHxS	J (all detects)	A	Matrix spike/Matrix spike duplicate (%R)

Mare Island, TO 008
Perfluorinated Alkyl Acids - Laboratory Blank Data Qualification Summary - SDG 1800121

No Sample Data Qualified in this SDG

Mare Island, TO 008
Perfluorinated Alkyl Acids - Field Blank Data Qualification Summary - SDG 1800121

No Sample Data Qualified in this SDG

LDC #: 40693A96 **VALIDATION COMPLETENESS WORKSHEET** Date: 2/1/18
SDG #: 1800121 Stage 2B/4 Page: 1 of 2
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%, r², True %D≤30%, ICV≤30%
IV.	Continuing calibration	SW	CCV≤30%
V.	Laboratory Blanks	A	
VI.	Field blanks	ND	SB=1, EB=2
~~VII.~~	~~Surrogate spikes~~	N	
VIII.	Matrix spike/Matrix spike duplicates	SW	
IX.	Laboratory control samples	SW	~~LCS~~ OPR
X.	Field duplicates	SW	D=13+14
XI.	Internal standards	SW	
XII.	Compound quantitation RL/LOQ/LODs	A	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; 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:

** Indicates sample underwent Stage 4 validation

	Client ID	Lab ID	Matrix	Date
~~1~~	~~SB01-20180115~~	~~1800121-01~~	~~Water~~	~~01/15/18~~
~~2~~	~~EB01-20180115~~	~~1800121-02~~	~~Water~~	~~01/15/18~~
3	IRSite5-GW-05W07-20180115**	1800121-03**	Water	01/15/18
4	IRSite5-GW-05W06-20180115	1800121-04	Water	01/15/18
5	IRSite5-GW-05W08-20180115	1800121-05	Water	01/15/18
6	IRSite5-GW-05W01-20180115	1800121-06	Water	01/15/18
7	IRSite5-GW-05W03-20180115	1800121-07	Water	01/15/18
8	UXOSite14-GW-DPW79A-20180115	1800121-08	Water	01/15/18
9	UXOSite14-GW-DPW78A-20180115	1800121-09	Water	01/15/18
10	UXOSite14-GW-DPW77A-20180115	1800121-10	Water	01/15/18
11	IRSite1-GW-01W48A-20180115	1800121-11	Water	01/15/18
12	IRSite1-GW-01W49A-20180115	1800121-12	Water	01/15/18
13	IRSite1-GW-01W13A-20180115	1800121-13	Water	01/15/18
14	DUP01-20180115	1800121-14	Water	01/15/18

LDC #: 40693A96 **VALIDATION COMPLETENESS WORKSHEET** Date: 2/24/18
SDG #: 1800121 Stage 2B/4 Page: 2 of 2
Laboratory: Vista Analytical Laboratory Reviewer:
2nd Reviewer: KK

METHOD: LC/MS Perfluorinated Alkyl Acids (EPA Method 537)

	Client ID	Lab ID	Matrix	Date
15	IRSite1-GW-01W48A-20180115MS	1800121-11MS	Water	01/15/18
16	IRSite1-GW-01W48A-20180115MSD	1800121-11MSD	Water	01/15/18
17				
18				
19				
20				
21				

Notes:

LDC #: 40693A96

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: Q
2nd Reviewer: KK

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 #: 40693A96

VALIDATION FINDINGS CHECKLIST

Reviewer: 9
2nd Reviewer: KK

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.	✓			

LDC #: 40693A96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a continuing calibration standard analyzed after every 10 injections for each instrument?

Y (N) N/A Were all continuing calibration percent differences (%D) ≤30 %?

#	Date	Standard ID	Compound	Finding %D (Limit: ≤30.0%)	Finding RRF (Limit:)	Associated Samples	Qualifications
	1/29/18	180129M1_63	PFTeDA	+34.2		3.5.MB (ND)	~~J dets~~ A P

LDC #: 40693A96

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates/Duplicates

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

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) or duplicate sample analyzed for each matrix in this SDG?
Y N N/A Was a MS/MSD analyzed every 20 samples of each matrix?
Y N N/A Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?
Y N N/A Were all duplicate sample relative percent differences (RPD) or differences within QC limits?

#	Date	MS/MSD/DUP ID	Compound	MS %R (Limits)	MSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
		15/16	PFHxS	135 (70-130)			11 (dets)	J dets/A
			PFDoA	145 (↓)			(ND)	↓

LDC #: ~~40693~~ A96

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y N N/A Was a LCS required?

Y N N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	B8A0115-BS1	PFUnA	159 (70-130)	( )	( )	All (ND)	~~J dets/P~~
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC#: 10693A96

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: 9
2nd Reviewer: KK

METHOD: PFCs (Method 537 mod)

Compound	Concentration (ng/L)		(≤30) RPD	Difference	Limits	Qual
	13	14				
PFBS	38.9	42.4	9			
PFHxA	135	127	6			
PFHpA	89.1	82.6	8			
PFHxS	102	95.5	7			
PFOA	113	105	7			
PFOS	11.6	11.1		0.5	≤4.04	
PFNA	0.801	2.35U		1.549	≤4.04	

LDC #: 40693A96

VALIDATION FINDINGS WORKSHEET
Internal Standards

Reviewer: 9
2nd Reviewer: MV

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
		3	13C2-PFTeDA	44.9 (50-150)		bldg/FD (ND)
		5	13C2-PFDoA	48.5		
		11	13C2-PFTeDA	49.6		
			13C2-PFTeDA - qual PFTeDA			
			13C2-PFDoA - qual PFDoA and PFTrDA			

LDC #: 40693A96

Validation Findings Worksheet
Initial Calibration Calculation Verification

Reviewer: 9
2nd Reviewer: KW

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X^2) Conc.
1/29/2018	BEH C18	PFBS	0	0.4837462	0.25	0.0625
			s1	0.8794175	0.5	0.25
			s2	1.9982625	1	1
			s3	4.0481712	2	4
			s4	10.079743	5	25
			s5	16.94854	10	100
			s6	97.772696	50	2500
			s7	177.57803	100	10000
			s8	434.64233	250	62500
			s9	835.87851	500	250000

Regression Output	Calculated		*Reported*	
Constant	c	0.82382	c	0.05476
Std Err of Y Est				
R Squared		0.9999114		0.9994570
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	1.811986433	-0.00028509	1.84707	-0.000360578
Std Err of Coef.				
Correlation Coefficient		0.999956		
Coefficient of Determination (r^2)		0.999911		

LDC #: 40693A96

Validation Findings Worksheet
Initial Calibration Calculation Verification

Reviewer: Q
2nd Reviewer: VW

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X^2) Conc.
1/29/2018	BEH C18	PFOA	0	0.3566287	0.25	0.0625
			s1	0.4854025	0.5	0.25
			s2	1.1304175	1	1
			s3	2.0884037	2	4
			s4	4.8831687	5	25
			s5	10.109767	10	100
			s6	55.583367	50	2500
			s7	90.000046	100	10000
			s8	231.56901	250	62500
			s9	440.49005	500	250000

Regression Output	Calculated		*Reported*	
Constant	c	0.63824	c	0.09079
Std Err of Y Est				
R Squared		0.9995683		0.9981670
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	0.96171836	-0.000163826	0.986693	-0.000217563
Std Err of Coef.				
Correlation Coefficient		0.999784		
Coefficient of Determination (r^2)		0.999568		

LDC #: ~~10693A96~~

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer:
2nd Reviewer:

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	180PFMLCS	1/29/18	~~PFBS~~ (1st internal standard)	1.00	0.861	0.862	13.9	13.8
			~~PFOA~~ (2nd internal standard)	1.0	1.25	1.25	25.0	25.1
			(3rd internalstandard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internalstandard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internalstandard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internalstandard)					

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 #: 40693A96

VALIDATION FINDINGS WORKSHEET
Matrix Spike/Matrix Spike Duplicates Results Verification

Reviewer: 9
2nd Reviewer: VW

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

The percent recoveries (%R) and Relative Percent Difference (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; SA = Spike added; SC = Sample concentation

RPD = | MSC - MSC | * 2/(MSC + MSDC) MSC = Matrix spike concentration MSDC = Matrix spike duplicate concentration

MS/MSD samples: 15/16

Compound	Spike Added (NG/L)		Sample Concentration (NG/A	Spiked Sample Concentration (NG/L)		Matrix Spike Percent Recovery		Matrix Spike Duplicate Percent Recovery		MS/MSD RPD	
	MS	MSD	------	MS	MSD	Reported	Recalc	Reported	Recalc	Reported	Recalculated
PFBS	39.0	39.9	6.81	44.2	47.5	95.8	95.8	102	102	6.2T	6.2T
PFOA	↓	↓	36.5	67.T	T0.1	T9.8	80.0	84.2	84.2	5.3T	5.12

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 #: 46BA96

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: 9
2nd Reviewer: VM

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

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 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = I LCSC - LCSDC I * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: BBA0115-BS1

Compound	Spike Added (NG/L)		Spike Concentration (NG/L)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
PFBS	40.0	NA	38.4	NA	96.0	96.0				
PFOA	↓	↓	40.2	↓	101	101				

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: ~~4049~~ 42096

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: Q
2nd Reviewer: W

METHOD: __ GC ✓ ~~HPLC~~ / LC 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 agree within 10% of the reported results?

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs\ or\ Ws)(\%S/100)}$

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. 3 Compound Name PFOA

Concentration = (2.34 + 0.2306) = 2.57 ng/L

$$Conc\ 1 = \frac{-(0.986693)+\sqrt{(0.986693)^2-[4\times(-0.000217 6)(-\frac{5775\times 10^{-5}}{9990}+0.09079)]}}{2\times(-0.0002176)(0.273)} = 2.34$$

#	Sample ID	Compound	Reported Concentrations	Recalculated Results Concentrations	Qualifications
		Con2 = $\frac{-(0.986693)+\sqrt{(0.986693)^2-[4\times(-0.0002176)(-\frac{(699-577)\times 10^{-5}}{9990}+0.09079)]}}{2\times(-0.0002176)(0.273)}$			
		= 0.2306			

Comments: ____________________

SAMPCALew.wpd

Laboratory Data Consultants, Inc.
Data Validation Report

Project/Site Name: Mare Island, TO 008

LDC Report Date: March 1, 2018

Parameters: Perfluorinated Alkyl Acids

Validation Level: Stage 2B & 4

Laboratory: Vista Analytical Laboratory

Sample Delivery Group (SDG): 1800127

Sample Identification	Laboratory Sample Identification	Matrix	Collection Date
IRSite1-GW-01W53A-20180116	1800127-02	Water	01/16/18
IRSite1-GW-MW80A-20180116	1800127-03	Water	01/16/18
IRSite1-GW-01W28B-20180116	1800127-04	Water	01/16/18
IRSite1-GW-01W38AR-20180116**	1800127-05**	Water	01/16/18
IRSite1-GW-MW86A-20180116	1800127-06	Water	01/16/18
IRSite1-GW-MW85A-20180116	1800127-07	Water	01/16/18
DUP02-20180116	1800127-08	Water	01/16/18
IRSite1-GW-MW82A-20180116	1800127-09	Water	01/16/18

**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 Perfluorinated Compounds (PFCs) or Per- and Polyfluoroalkyl Substances (PFAS) Sites at Various Base Realignment and Closure (BRAC) Installations, Former Mare Island Naval Shipyard, Vallejo, California, (November 2017), the Final Sampling and Analysis Plan for the Initial Assessment of Per-Fluorinated Compounds (PFCS) or Per- and Polyfluoroalkyl Substances (PFAS) Sites at Various Base Realignment and Closure (BRAC) Installations (March 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 Superfund Organic Methods Data Review (August 2014). 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 at 12 hour intervals.

III. Initial Calibration and Initial Calibration Verification

An 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) of its 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 the 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 EB02-20180116 was identified as an equipment blank. No contaminants were found.

Sample SB01-20180115 (from SDG 1800121) was identified as a source blank. 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 with the following exceptions:

LCS ID (Associated Samples)	Compound	LCS %R (Limits)	LCSD %R (Limits)	Flag	A or P
B8A0140-BS1/BSD1 (All samples in SDG 1800127)	PFTrDA PFTeDA	- -	132 (70-130) 143 (70-130)	NA	-

Relative percent differences (RPD) were within QC limits with the following exceptions:

LCS ID (Associated Samples)	Compound	RPD (Limits)	Flag	A or P
B8A0140-BS1/BSD1 (All samples in SDG 1800127)	PFTeDA	30.7 (≤30)	NA	-

IX. Field Duplicates

Samples IRSite1-GW-MW85A-20180116 and DUP02-20180116 were identified as field duplicates. No results were detected in any of the samples with the following exceptions:

Compound	Concentration (ng/L)		RPD (Limits)	Difference (Limits)	Flag	A or P
	IRSite1-GW-MW85A-20180116	DUP02-20180116				
PFHxA	22.6	21.5	5 (≤30)	-	-	-
PFHpA	7.37	7.45	-	0.08 (≤4.19)	-	-
PFOA	10.6	11.5	-	0.9 (≤4.19)	-	-

X. Internal Standards

All internal standard recoveries (%R) were within QC limits.

XI. Compound Quantitation

All compound quantitations met validation criteria for samples which underwent Stage 4 validation. Raw data were not reviewed for Stage 2B validation.

XII. 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.

XIII. System Performance

The system performance was acceptable for samples which underwent Stage 4 validation. 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.

Mare Island, TO 008
Perfluorinated Alkyl Acids - Data Qualification Summary - SDG 1800127

No Sample Data Qualified in this SDG

Mare Island, TO 008
Perfluorinated Alkyl Acids - Laboratory Blank Data Qualification Summary - SDG 1800127

No Sample Data Qualified in this SDG

Mare Island, TO 008
Perfluorinated Alkyl Acids - Field Blank Data Qualification Summary - SDG 1800127

No Sample Data Qualified in this SDG

LDC #: 40693B96

SDG #: 1800127

Laboratory: Vista Analytical Laboratory

VALIDATION COMPLETENESS WORKSHEET

Stage 2B/4

Date: 2/1/18

Page: 1 of 1

Reviewer: CT

2nd Reviewer: KK

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	A	
VI.	Field blanks	ND	EB=1. SB=SB01-20180115 (1800121)
~~VII.~~	~~Surrogate spikes~~	N	
VIII.	Matrix spike/Matrix spike duplicates	A	CS
IX.	Laboratory control samples	SW	LCS/D
X.	Field duplicates	SW	D = 7+8
XI.	Internal standards	A	
XII.	Compound quantitation RL/LOQ/LODs	A	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~~	~~EB02-20180116~~	~~1800127-01~~	~~Water~~	~~01/16/18~~
2	IRSite1-GW-01W53A-20180116	1800127-02	Water	01/16/18
3	IRSite1-GW-MW80A-20180116	1800127-03	Water	01/16/18
4	IRSite1-GW-01W28B-20180116	1800127-04	Water	01/16/18
5	IRSite1-GW-01W38AR-20180116**	1800127-05**	Water	01/16/18
6	IRSite1-GW-MW86A-20180116	1800127-06	Water	01/16/18
7	IRSite1-GW-MW85A-20180116	1800127-07	Water	01/16/18
8	DUP02-20180116	1800127-08	Water	01/16/18
9	IRSite1-GW-MW82A-20180116	1800127-09	Water	01/16/18
10				
11				

Notes:

LDC #: 40693B96

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: 8
2nd Reviewer: KK

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 #: 40693B96

VALIDATION FINDINGS CHECKLIST

Reviewer: CT
2nd Reviewer: KK

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.				

LDC #: 40693B96

VALIDATION FINDINGS WORKSHEET
Laboratory Control Samples (LCS)

Reviewer: Q
2nd Reviewer: Ku

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Was a LCS required?

Y (N) N/A Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?

#	LCS/LCSD ID	Compound	LCS %R (Limits)	LCSD %R (Limits)	RPD (Limits)	Associated Samples	Qualifications
	B3A0140-BS1/	PFTrDA	( )	132 (70-130)	( )	All (ND)	J dets/P
	-BSD1	PFTeDA	( )	143 (↓)	( )		↓
		PFTeDA	( )	( )	30.7 (≤30)		↓
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
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			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		
			( )	( )	( )		

LDC#: 40693B96

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: Q
2nd Reviewer: RR

METHOD: PFCs (Method 537 mod)

Compound	Concentration (ng/L)		(≤30) RPD	Difference	Limits	Qual
	7	8				
PFHxA	22.6	21.5	5			
PFHpA	7.37	7.45		0.08	≤4.19	
PFOA	10.6	11.5		0.9	≤4.19	

LDC #: 40693B96

Validation Findings Worksheet
Initial Calibration Calculation Verification

Reviewer: Q
2nd Reviewer: [signature]

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X^2) Conc.
1/30/2018	BEH C18	PFBS	0	0.539625	0.25	0.0625
			s1	0.9971025	0.5	0.25
			s2	1.7713525	1	1
			s3	3.62805	2	4
			s4	8.82137	5	25
			s5	18.671726	10	100
			s6	90.643272	50	2500
			s7	183.57103	100	10000
			s8	426.34695	250	62500
			s9	855.71767	500	250000

Regression Output	**Calculated**		***Reported***	
Constant	c	1.27043	c	0.07978
Std Err of Y Est				
R Squared		0.9998186		0.9996480
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	1.744350548	-7.57181E-05	1.79867	-0.000192588
Std Err of Coef.				
Correlation Coefficient		0.999909		
Coefficient of Determination (r^2)		0.999819		

LDC #: 40692B96

Validation Findings Worksheet
Initial Calibration Calculation Verification

Reviewer: CK
2nd Reviewer: KM

Method: PFCs (EPA Method 537)

Calibration Date	Instrument/Column	Compound	Standard	(Y) Response	(X) Conc.	(X^2) Conc.
1/30/2018	BEH C18	PFOA	0	0.2712962	0.25	0.0625
			s1	0.6150987	0.5	0.25
			s2	1.2008337	1	1
			s3	2.4685425	2	4
			s4	5.09554	5	25
			s5	11.171891	10	100
			s6	51.106577	50	2500
			s7	95.486935	100	10000
			s8	211.0761	250	62500
			s9	495.78483	500	250000

Regression Output	Calculated		*Reported*	
Constant	c	3.04538	c	0.07171
Std Err of Y Est				
R Squared		0.9984411		0.9995660
Degrees of Freedom				
	b	a	b	a
X Coefficient(s)	0.766038111	0.000430677	1.05615	-0.000857391
Std Err of Coef.				
Correlation Coefficient		0.999220		
Coefficient of Determination (r^2)		0.998441		

LDC #: 40693B96

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: [illegible]
2nd Reviewer: [illegible]

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

The percent difference (%D) of the initial calibration average Relative Response Factors (RRFs) and the continuing calibration RRFs were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. RRF - RRF)/ave. RRF
$RRF = (A_x)(C_{is})/(A_{is})(C_x)$

Where: ave. RRF = initial calibration average RRF
RRF = continuing calibration RRF
A_x = Area of compound, A_{is} = Area of associated internal standard
C_x = Concentration of compound, C_{is} = Concentration of internal standard

#	Standard ID	Calibration Date	Compound (Reference Internal Standard)	Average RRF (initial)	Reported RRF (CC)	Recalculated RRF (CC)	Reported %D	Recalculated %D
1	180 BOH2-40	1/30/18	PFBS (1st internal standard)	10.0	10.35	10.33	3.5	3.3
			PFOA (2nd internal standard)	↓	9.875	9.93	1.2	0.7
			(3rd internalstandard)					
2			(1st internal standard)					
			(2nd internal standard)					
			(3rd internalstandard)					
3			(1st internal standard)					
			(2nd internal standard)					
			(3rd internalstandard)					
4			(1st internal standard)					
			(2nd internal standard)					
			(3rd internalstandard)					

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 #: 20693B96

VALIDATION FINDINGS WORKSHEET
Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: 9
2nd Reviewer: VM

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

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 * (SC/SA Where: SSC = Spike concentration
SA = Spike added

RPD = | LCSC - LCSDC | * 2/(LCSC + LCSDC) LCSC = Laboratory control sample concentration LCSDC = Laboratory control sample duplicate concentration

LCS/LCSD samples: BBA0H0-BS1/BSD1

Compound	Spike Added (NS/A)		Spike Concentration (NS/D)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalculated
PFBS	40.0	40.0	37.8	41.5	94.5	94.5	104	104	9.39	9.33
PFOA	V	V	32.9	36.8	82.3	82.3	92.0	92.0	11.2	11.2

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicates findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 40693B9L

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: 9
2nd reviewer: KK

METHOD: LC/MS PFOS/PFOAs (EPA Method 537M)

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 agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 5 , PFBS:

Conc. = $\frac{(-1.798+\sqrt{(1.798)^2-[4(-0.000196)(-\frac{53.9\times 12.5}{100.0}+0.0798)]})}{(2)(-0.000196)(0.266)(\quad)}$

= 12.52 ng/L

#	Sample ID	Compound	Reported Concentration (ng/L)	Calculated Concentration ( )	Qualification
	5	PFBS	12.5		

LDC #: 40693

EDD POPULATION COMPLETENESS WORKSHEET

Date: 3/1
Page: 1 of 1
2nd Reviewer: BA

The LDC job number listed above was entered by DE.

	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?	+	
IIIe.	- Do blank concentrations in report match EDD where data was qualified due to blank contamination?	—	
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_MATRIX	SAMPLE_MATRIX_DESC	COLLECT_DATE	ANALYTICAL_METHOD_GRP_DESC	SDG
MARE_ISLAND_NSY	*IR Site 1*	01W28B	WLM	Monitoring well	6478760.421300	1798364.708320	WG	Groundwater	16-Jan-18	Perfluoroalkyl Compounds	1800127
MARE_ISLAND_NSY	*IR Site 1*	01W38AR	WLM	Monitoring well	6478855.579660	1798005.769520	WG	Groundwater	16-Jan-18	Perfluoroalkyl Compounds	1800127
MARE_ISLAND_NSY	*IR Site 1*	01W53A	WLM	Monitoring well	6479343.819540	1798589.589050	WG	Groundwater	16-Jan-18	Perfluoroalkyl Compounds	1800127
MARE_ISLAND_NSY	*IR Site 1*	MW80A	WLM	Monitoring well	6479377.959970	1798372.838850	WG	Groundwater	16-Jan-18	Perfluoroalkyl Compounds	1800127
MARE_ISLAND_NSY	*IR Site 1*	MW82A	WLM	Monitoring well	6480143.686900	1798133.381490	WG	Groundwater	16-Jan-18	Perfluoroalkyl Compounds	1800127
MARE_ISLAND_NSY	*IR Site 1*	MW85A	WLM	Monitoring well	6480000.451870	1797128.649550	WG	Groundwater	16-Jan-18	Perfluoroalkyl Compounds	1800127
MARE_ISLAND_NSY	*IR Site 1*	MW86A	WLM	Monitoring well	6478040.327030	1796614.628610	WG	Groundwater	16-Jan-18	Perfluoroalkyl Compounds	1800127