Naval Facilities Engineering Command

Groundwater Sample Results, Combined Level 2 and Level 4 Laboratory Report, Electronic Data Deliverable, Data Validation Report, and the Sample Location Report, SDG 1800860

Naval Weapons Industrial Reserve Plant Bethpage
Bethpage, New York

August 2019

June 04, 2018

Vista Work Order No. 1800860

Ms. Kristi Francisco
Tetra Tech
5700 Lake Wright Drive, Suite 309
Norfolk, VA 23502

Dear Ms. Francisco,

Enclosed are the results for the sample set received at Vista Analytical Laboratory on May 02, 2018. This sample set was analyzed on a standard turn-around time, under your Project Name '112G08005-WE09'.

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

Vista Analytical Laboratory 1104 Windfield Way El Dorado Hills, CA 95762 ph: 916-673-1520 fx: 916-673-0106 www.vista-analytical.com

Vista Work Order No. 1800860
Case Narrative

Sample Condition on Receipt:

One surface water sample was received in good condition and within the method temperature requirements. The sample was received and stored securely in accordance with Vista standard operating procedures and EPA methodology. A sample ID discrepancy was resolved as directed: the sample listed as "BP-MH-SW4001-FRB-20170501" on the CoC has been reported as "BP-MH-SW4001-South-FRB-20180501".

Analytical Notes:

PFAS Isotope Dilution Method

The sample was extracted and analyzed for a selected list of PFAS using the PFAS Isotope Dilution Method (Modified EPA Method 537).

Holding Times

The sample was extracted and analyzed within the method hold times.

Quality Control

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

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

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

QC Anomalies

LabNumber	SampleName	Analysis	Analyte	Flag	%Rec
1800860-01	BP-MH-SW4001-South-FRB-20180501	PFAS Isotope Dilution Method	13C8-PFOSA	H	48.9

H = Recovery was outside laboratory acceptance criteria.

I AWLE (illegible), as the designated Quality Assurance Officer, hereby attest that all electronic deliverables have been thoroughly reviewed and are in agreement with the associated hardcopy data. The enclosed electronic files have been reviewed for accuracy (including significant figures), completeness and format. The laboratory will be responsible for any labor time necessary to correct enclosed electronic deliverables that have been found to be in error. I can be reached at (916) 673-1520 if there are any questions or problems with the enclosed electronic deliverables.

Signature: _____ Title: QA MANAGER Date: 04JUN18

Revision 8
ISG
08/10/10

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Sample Inventory Report

Vista Sample ID	Client Sample ID	Sampled	Received	Components/Containers
1800860-01	BP-MH-SW4001-South-FRB-20180501	01-May-18 07:50	02-May-18 10:02	HDPE Bottle, 125 mL HDPE Bottle, 125 mL

Vista Project: 1800860

Client Project: 112G08005-WE09

ANALYTICAL RESULTS

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: 112G08005-WE09
Matrix: Aqueous

Laboratory Data

Lab Sample: B8E0076-BLK1
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFPeA	2706-90-3	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFBS	375-73-5	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFHxA	307-24-4	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFHpA	375-85-9	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFHxS	355-46-4	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
6:2 FTS	27619-97-2	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFOA	335-67-1	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFHpS	375-92-8	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFOS	1763-23-1	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFNA	375-95-1	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFDA	335-76-2	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
8:2 FTS	39108-34-4	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFOSA	754-91-6	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
MeFOSAA	2355-31-9	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFDS	335-77-3	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFUnA	2058-94-8	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
EtFOSAA	2991-50-6	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFDoA	307-55-1	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFTrDA	72629-94-8	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
PFTeDA	376-06-7	ND	2.74	5.00	8.00	U	B8E0076	15-May-18	0.125 L	24-May-18 20:45	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	98.5	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C3-PFPeA	IS	89.6	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C3-PFBS	IS	114	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C2-PFHxA	IS	95.0	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C4-PFHpA	IS	92.8	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
18O2-PFHxS	IS	92.8	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C2-PFOA	IS	88.7	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C8-PFOS	IS	82.1	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C5-PFNA	IS	71.2	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C2-PFDA	IS	80.9	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C8-PFOSA	IS	55.1	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
d3-MeFOSAA	IS	78.7	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1

Sample ID: Method Blank

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: 112G08005-WE09
Matrix: Aqueous

Laboratory Data

Lab Sample: B8E0076-BLK1
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFUnA	IS	72.5	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
d5-EtFOSAA	IS	81.9	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C2-PFDoA	IS	74.3	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1
13C2-PFTeDA	IS	77.7	50 - 150		B8E0076	15-May-18	0.125 L	24-May-18 20:45	1

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

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: 112G08005-WE09
Matrix: Aqueous

Laboratory Data

Lab Sample: B8E0076-BS1
Column: BEH C18

Analyte	CAS Number	Amt Found (ng/L)	Spike Amt	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	88.7	80.0	111	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFPeA	2706-90-3	88.0	80.0	110	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFBS	375-73-5	85.1	80.0	106	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFHxA	307-24-4	85.8	80.0	107	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFHpA	375-85-9	91.7	80.0	115	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFHxS	355-46-4	80.7	80.0	101	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
6:2 FTS	27619-97-2	92.8	80.0	116	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFOA	335-67-1	95.3	80.0	119	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFHpS	375-92-8	102	80.0	127	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFOS	1763-23-1	101	80.0	126	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFNA	375-95-1	78.8	80.0	98.5	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFDA	335-76-2	83.8	80.0	105	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
8:2 FTS	39108-34-4	80.6	80.0	101	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFOSA	754-91-6	83.7	80.0	105	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
MeFOSAA	2355-31-9	95.8	80.0	120	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFDS	335-77-3	86.3	80.0	108	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFUnA	2058-94-8	81.2	80.0	101	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
EtFOSAA	2991-50-6	96.4	80.0	121	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFDoA	307-55-1	94.1	80.0	118	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFTrDA	72629-94-8	91.3	80.0	114	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
PFTeDA	376-06-7	80.1	80.0	100	70-130		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	95.3	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C3-PFPeA	IS	89.0	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C3-PFBS	IS	106	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C2-PFHxA	IS	93.3	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C4-PFHpA	IS	88.7	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
18O2-PFHxS	IS	94.5	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C2-PFOA	IS	84.9	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C8-PFOS	IS	84.5	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C5-PFNA	IS	91.4	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C2-PFDA	IS	78.9	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C8-PFOSA	IS	60.3	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
d3-MeFOSAA	IS	78.4	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C2-PFUnA	IS	82.3	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1

Sample ID: OPR

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: 112G08005-WE09
Matrix: Aqueous

Laboratory Data

Lab Sample: B8E0076-BS1
Column: BEH C18

Labeled Standards	Type	% Rec	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
d5-EtFOSAA	IS	80.5	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C2-PFDoA	IS	71.2	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1
13C2-PFTeDA	IS	80.1	50- 150		B8E0076	15-May-18	0.125 L	24-May-18 20:55	1

Sample ID: BP-MH-SW4001-South-FRB-20180501

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: 112G08005-WE09
Matrix: Surface Water
Date Collected: 01-May-18 07:50

Laboratory Data

Lab Sample: 1800860-01
Date Received: 02-May-18 10:02
Column: BEH C18

Analyte	CAS Number	Conc. (ng/L)	DL	LOD	LOQ	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
PFBA	375-22-4	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFPeA	2706-90-3	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFBS	375-73-5	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFHxA	307-24-4	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFHpA	375-85-9	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFHxS	355-46-4	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
6:2 FTS	27619-97-2	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFOA	335-67-1	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFHpS	375-92-8	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFOS	1763-23-1	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFNA	375-95-1	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFDA	335-76-2	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
8:2 FTS	39108-34-4	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFOSA	754-91-6	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
MeFOSAA	2355-31-9	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFDS	335-77-3	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFUnA	2058-94-8	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
EtFOSAA	2991-50-6	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFDoA	307-55-1	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFTrDA	72629-94-8	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
PFTeDA	376-06-7	ND	2.99	5.43	8.72	U	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C3-PFBA	IS	93.3	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C3-PFPeA	IS	96.0	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C3-PFBS	IS	102	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C2-PFHxA	IS	91.7	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C4-PFHpA	IS	93.6	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
18O2-PFHxS	IS	100	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C2-PFOA	IS	80.6	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C8-PFOS	IS	88.5	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C5-PFNA	IS	82.1	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C2-PFDA	IS	90.6	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C8-PFOSA	IS	48.9	50 - 150	H	B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
d3-MeFOSAA	IS	68.5	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1

Sample ID: BP-MH-SW4001-South-FRB-20180501

PFAS Isotope Dilution Method

Client Data

Name: Tetra Tech
Project: 112G08005-WE09
Matrix: Surface Water
Date Collected: 01-May-18 07:50

Laboratory Data

Lab Sample: 1800860-01
Date Received: 02-May-18 10:02
Column: BEH C18

Labeled Standards	Type	% Recovery	Limits	Qualifiers	Batch	Extracted	Samp Size	Analyzed	Dilution
13C2-PFUnA	IS	56.0	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
d5-EtFOSAA	IS	68.4	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C2-PFDoA	IS	77.4	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	1
13C2-PFTeDA	IS	62.0	50 - 150		B8E0076	15-May-18	0.115 L	24-May-18 23:53	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**
Conc.	**Concentration**
D	**Dilution**
DL	**Detection limit**
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**
LOD	**Limits of Detection**
LOQ	**Limits of Quantitation**
M	**Estimated Maximum Possible Concentration (CA Region 2 projects only)**
NA	**Not applicable**
ND	**Not Detected**
Q	**Ion ratio outside of 70-130% of Standard Ratio. (DOD PFAS projects only)**
TEQ	**Toxic Equivalency**
U	**Not Detected (specific projects only)**
*****	**See Cover Letter**

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.

EXACT COPY OF ORIGINAL
Init BLB 05/03/18

TETRA TECH

CHAIN OF CUSTODY

NO. 1800860 1.7°C

Project No: 112G08005-WE09	Facility: NWIRP Bethpage	Project Manger: Dave Brayack	Phone: 757-466-4909
Samplers: Jacob Birkett, Beau Benfield, Vince Shickora		Field Ops. Leader: Jacob Birkett	Phone: 757-814-9916
		Fed Ex Airbill Number: 8102-9107-0672	

Laboratory Name and Contact: Vista Analytical Labs Karen Volpendesta
Address: 1104 Windfield Way
City, State, Zip: El Dorado Hills, CA 95762

Year: Date 2018	Time	Sample ID	Location ID	Top Depth (FT)	Bottom Depth (FT)	Matrix (GW, SO, SW, QC)	Grab, Composite (G, C)	Total No. of Containers	ANALYSIS	PFAS (21 specific)								Comments
		Container Type: Plastic (P) or Glass (G)								P								
		Preservative Used:								--								
* 5/1	0750	BP-~~TT~~-MH-SW4001-20180501	SW4001	–	–	SW	G	2		2	--	--	--	--	--	--	--	
5/1	0750	BP-~~TT~~-MH-SW4001-FRB-20180501	SW4001	–	–	SW	G	2		2	--	--	--	--	--	--	--	FIELD REAGENT BLANK
* 5/1	0830	BP-TT-SW4002-20180501	SW4002	–	–	SW	G	6		2	--	--	--	--	--	--	--	
** 5/1	1200	BP-DUP06-20180501	–	–	–	SW	G	2		2	--	--	--	--	--	--	--	DUPLICATE
* 5/1	1040	BP-EB04-20180501	–	–	–	SW	G	2		2	--	--	--	--	--	--	--	RINSATE BLANK

5-1-18

1. Relinquished By: Jacob Birkett	Date: 05/01/18	Time: 1600	1. Received By: FedEx	Date:	Time:
2. Relinquished By: FedEx	Date: 05/02/18	Time: 1002	2. Received By: [illegible]	Date: 05/02/18	Time: 1057

Comments: * WO 1800859

Vista Analytical Laboratory

Sample Log-in Checklist

EXACT COPY OF ORIGINAL
Init BLB 05/03/18

Vista Work Order #: 1800860 **TAT** Std

Samples Arrival:	**Date/Time** 05/02/18 1002		**Initials:** JBLB		**Location:** WR-2 **Shelf/Rack:** NA		
Logged In:	**Date/Time** 05/03/18 1436		**Initials:** JBLB		**Location:** WR-2 **Shelf/Rack:** E7		
Delivered By:	FedEx	UPS	On Trac	GSO	DHL	Hand Delivered	Other
Preservation:	Ice		Blue Ice		Dry Ice		None
Temp °C: 1.8 (uncorrected)			**Time:** 1056		**Thermometer ID:** IR-4		
Temp °C: 1.7 (corrected)			**Probe used:** Yes☐ No☑				

	YES	NO	NA
Adequate Sample Volume Received?	✓		
Holding Time Acceptable?	✓		
Shipping Container(s) Intact?	✓		
Shipping Custody Seals Intact?	✓		
Shipping Documentation Present?	✓		
Airbill Trk # 8102 9107 0672	✓		
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: Label ID:
BP-MH-SW4001-SOCIE-FRB-20180501 (A&B)
COC ID:
BP-MH-SW4001-FRB-20180501

Chain of Custody Anomaly/Sample Acceptance Form

Vista Analytical Laboratory

Tetra Tech
Kristi Francisco
Kristi.Francisco@tetratech.com
(757) 466-4902

Workorder Number: 1800860
Date Received: 02-May-18 10:02
Documented by/date: B.Benedict 05/03/2018

Please review the following information and complete the Client Authorization section. To comply with NELAC regulations, we must receive authorization before proceeding with sample analysis.

Thank you,

Martha Maier
mmaier@vista-analytical.com
916-673-1520

[X] Sample IDs on Chain of Custody do not match Sample Container Labels

Chain of Custody ID	Container Label ID
BP-MH-SW4001-FRB-20170501	BP-MH-SW4001-Socte-FRB-20170501

Client Authorization

Proceed with Analysis: (YES) NO Signature and Date [signature] 5/8/18

Client Comments/Instructions Proceed per Ernie Wu. Sample should read "South" instead of Socte

EXTRACTION INFORMATION

Process Sheet

Workorder: 1800860

Prep Expiration: 2018-May-15
Client: Tetra Tech

Workorder Due: 21-May-18 00:00

TAT: 19

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

Prep Batch: B8E0076

Prep Data Entered: AP 05/17/18
Date and Initials

Version: Bethpage (21 Analytes)
DoD: DoD QSM 5.1

Initial Sequence:

LabSampID	A/B	Prep Rec	Spike Rec	ClientSampleID	Comments	Location	Container
1800860-01	A	☑	☐	BP-MH-SW4001-FRB-20180501 "BP-MH-SW4001-Socte-FRB-20180501		WR-2 E-7	HDPE Bottle, 125 mL

WO Comments: **MS/MSD required for each batch.**
Internal COC
FRBs-Extract and Hold

Pre-Prep Check Out: DFS/11/18
Pre-Prep Check In: DF 5/11/18

Prep Check Out: JR 5/15/18
Prep Check In: N/A

Prep Reconciled Initals/Date: DFS/11/18
Spike Reconciled Initals/Date: JR 5/15/18
VialBoxID: Astro - Pop

Page 1 of 3

Internal Chain of Custody

1800860

Vista Analytical Laboratory

Client: Tetra Tech

Project Number: 112G08005-WE09

Received: 02-May-18 10:02

Received By: Bettina Benedict

		Sample				Extract	
Vista Sample ID	Bottle	Initials Date/Time New Location	Initials Date/Time New Location	Initials Date/Time New Location	Initials Date/Time New Location	Initials Date/Time New Location	Initials Date/Time New Location
1800860-01	A/B	~~YBB~~ 5/3/18 1552 WR-2 E7	JR DF 5/11/18 Prep Lab	DF 5/11/18 WR2 E7		JR 5/15/18 810 A Prep Lab	EL 5/15/18 1738 R-7 (Frig.)

DF 5/31/18

Note in grid if sample or extract are depleted. See Login Checlist for initial location.

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8E0076

Chemist: HN

Prep Date/Time: ~~08-May-18 14:59~~ HN 5/15/18 5/15/18 8:15

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: DF 5/11/18 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
☐	B8E0076-BLK1 (A) (B)	5	2	0	3	NA	NA	(0.125)	HN JR 5/15/18	JR 5/15/18	HN JR 5/15/18
☐	B8E0076-BS1 (A)	5	2	0	3	↓	↓	(0.125)	↓	↓	↓
☐	B8E0076-MS1 1800854-07	8	2	0	5	148.61	26.87	0.12174 ✓			
☐	B8E0076-MSD1 1800854-07	8	2	0	5	145.33	26.84	0.11849 ✓			
☐	1800854-01	8	2	0	4	148.07	26.75	0.12132			
☐	1800854-02	8	2	0	5	146.27	26.87	0.11940			
☐	1800854-03	8	2	0	5	148.54	26.76	0.12178			
☐	1800854-04	8	2	0	4	147.52	26.79	0.12073			
☐	1800854-05	7	2	0	4	145.90	26.87	0.11903			
☐	1800854-06	8	2	0	5	141.97	26.70	0.11527			
☐	1800854-07	7	2	0	5	149.90	26.89	0.12301			
☐	1800854-08	8	2	0	7	150.14	26.83	0.10331			
☐	1800854-09	8	2	0	4	150.29	26.66	0.10363			
☐	1800854-10	8	2	0	4	135.53	26.79	0.10874			
☐	1800854-11	8	2	0	4	149.47	26.85	0.11262			
☐	1800854-12	8	2	0	4	143.77	26.84	0.11693	↓	↓	↓

IS: ~~18D0004~~ 18D2004 JR 5/15/18, 10µL (V7)

IS SUP: N/A

NS: 18C1302, 10µL (V4)

RS: 18D2005, 10µL (V7) ~~JR 5/15/18~~

SPE Chem: Strata X-AW 33µm 200mg/6mL

Ele SOLV: MeOH/0.5% NH4OH in MeOH

Final Volume(s) 1mL

Notes: (A) 0.625 g of Trizma Added DF 5/11/18

(B) Supelco Envi-Carb used. Lot #10186602. JR 5/15/18

Comments: Assume 1 g = 1 mL JR 5/15/18

Cen = Centrifuged

PREPARATION BENCH SHEET

Matrix: Aqueous

Method: 537M PFAS DOD (LOQ as mRL)

B8E0076

Chemist: HN

Prep Date/Time: ~~08-May-18 14:59~~ HN ~~5/15/18~~ 5/31/18 5/15/18 8:15

Prepared using: LCMS - SPE Extraction-LCMS

Date/Initals: DF 5/11/18 BalanceID: HRWS-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
☐	1800860-01 (B)	5	2	0	4	141.66	27.01	0.114,5 ✓	HN JR 5/15/18	JR 5/15/18	HN JR 5/15/18

JR 5/15/18

IS: ~~18D0004~~ 18D2009, 10µL (V7)

IS SUP: N/A

NS: 18CB02, 10µL (V4)

RS: 18D2005, 10µL (V7)

SPE Chem: Strata X-AW 33µL 200mg/6mL

Ele SOLV: MeOH/0.5% NH_4OH in MeOH

Final Volume(s) 1mL

Notes: (B) Supelco Envi-carb used. Lot # 10186602. JR 5/15/18

Comments: Assume 1 g = 1 mL

Cen = Centrifuged

Batch: B8E0076

Matrix: Aqueous

LabNumber	WetWeight (Initial)	% Solids (Extraction Solids)	DryWeight	Final	Extracted	Ext By	Spike	SpikeAmount	ClientMatrix	Analysis
1800854-01	0.12132 ✓	N/A	N/A	1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-02	0.1194 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-03	0.12178 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-04	0.12073 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-05	0.11903 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-06	0.11527 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-07	0.12301 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-08	0.10331 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-09	0.10363 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-10	0.10874 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-11	0.11262 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800854-12	0.11693 ✓			1000	15-May-18 08:15	HN			Potable Water	537M PFAS DOD (LOQ as
1800860-01	0.11465 ✓			1000	15-May-18 08:15	HN			Surface Water	537M PFAS DOD (LOQ as
B8E0076-BLK1	0.125 ✓			1000	15-May-18 08:15	HN				QC
B8E0076-BS1	0.125 ✓			1000	15-May-18 08:15	HN	18C1302 ✓	10 ✓		QC
B8E0076-MS1	0.12174 ✓			1000	15-May-18 08:15	HN	18C1302 ✓	10 ✓		QC
B8E0076-MSD1	0.11849 ✓			1000	15-May-18 08:15	HN	18C1302 ✓	10 ✓		QC

HP 05/17/18

Printed: 5/17/2018 10:25:15AM

Sample Data – PFAS Isotope Dilution Method

Vista Analytical Laboratory

Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-40.qld

Last Altered: Saturday, May 26, 2018 13:10:29 Pacific Daylight Time
Printed: Monday, June 04, 2018 11:03:52 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052418.mdb 24 May 2018 18:42:02
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-24-18.cdb 24 May 2018 18:06:26

Name: 180524M1_40, Date: 24-May-2018, Time: 20:45:11, ID: B8E0076-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8		5.86e3	0.1250		1.38						
2	2	PFPeA	263.1 > 218.9		8.51e3	0.1250		2.38						
3	3	PFBS	299.0 > 79.7		1.32e3	0.1250		2.67						
4	4	4:2 FTS	327.2>307.2		1.32e3	0.1250		3.08						
5	5	PFHxA	313.2 > 268.9		3.03e3	0.1250		3.18						
6	6	PFPeS	349.1>80.1		1.32e3	0.1250		3.38						
7	7	PFHpA	363.0 > 318.9		7.90e3	0.1250		3.82						
8	8	L-PFHxS	398.9 > 79.6		9.51e2	0.1250		3.98						
9	9	Br-PFHxS	398.9 > 79.6		9.51e2	0.1250		4.01						
10	10	6:2 FTS	427.1 > 407	1.37e1	2.67e3	0.1250		4.34	4.30	0.0641	1.001		16.805	YES
11	11	L-PFOA	413 > 368.7	1.80e2	1.38e4	0.1250		4.40	4.36	0.162			3.843	NO
12	12	Br-PFOA	413 > 368.7		1.38e4	0.1250		4.39						
13	13	PFHpS	449 > 80.0		1.38e4	0.1250		4.51						
14	14	PFNA	463.0 > 418.8		8.52e3	0.1250		4.84						
15	15	PFOSA	498.2 > 77.9		1.72e3	0.1250		4.90						
16	16	L-PFOS	499.1 > 79.9	1.35e0	2.40e3	0.1250		4.92	4.78	0.00705			0.301	YES
17	17	Br-PFOS	499.1 > 79.9		2.40e3	0.1250		4.81						
18	18	PFDA	513 > 468.8		1.41e4	0.1250		5.22						
19	19	8:2 FTS	527 > 506.9		2.21e3	0.1250		5.19						
20	20	PFNS	549.1>80.1		2.40e3	0.1250		5.28						
21	21	N-MeFOSAA	570.1 > 419		2.20e3	0.1250		5.37						
22	22	N-EtFOSAA	584.2 > 419		2.20e3	0.1250		5.53						
23	23	PFUdA	563.0 > 518.9		1.39e4	0.1250		5.55						
24	24	PFDS	598.8 > 80		1.39e4	0.1250		5.59						
25	25	PFDoA	612.9 > 569.0		1.36e4	0.1250		5.83						
26	26	N-MeFOSA	512.1 > 168.9			0.1250		5.98						
27	27	PFTrDA	662.9 > 618.9		1.36e4	0.1250		6.08						
28	28	PFTeDA	712.9 > 668.8		1.36e4	0.1250		6.30						
29	29	N-EtFOSA	526.1 > 168.9			0.1250		6.38						
30	30	PFHxDA	813.1 > 768.6	7.49e1	6.71e3	0.1250		6.61	6.61	0.0558			161.127	YES
31	31	PFODA	913.1 > 868.8		6.71e3	0.1250		6.85						
32	32	N-MeFOSE	616.1 > 58.9			0.1250		6.51						

AR 5/31/18

Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-40.qld

Last Altered: Saturday, May 26, 2018 13:10:29 Pacific Daylight Time
Printed: Monday, June 04, 2018 11:03:52 Pacific Daylight Time

Name: 180524M1_40, Date: 24-May-2018, Time: 20:45:11, ID: B8E0076-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
33	33	N-EtFOSE	630.1 > 58.9			0.1250		6.65						
34	34	13C3-PFBA	216.1 > 171.8	5.86e3	6.67e3	0.1250	0.891	1.44	1.38	11.0	98.522	98.5		
35	35	13C3-PFPeA	266. > 221.8	8.51e3	1.07e4	0.1250	0.885	2.42	2.37	9.92	89.595	89.6		
36	36	13C3-PFBS	302. > 98.8	1.32e3	1.07e4	0.1250	0.108	2.72	2.67	1.54	113.991	114.0		
37	37	13C2-PFHxA	315 > 269.8	3.03e3	1.07e4	0.1250	0.743	3.22	3.18	3.53	38.005	95.0		
38	38	13C4-PFHpA	367.2 > 321.8	7.90e3	1.07e4	0.1250	0.794	3.86	3.82	9.21	92.813	92.8		
39	39	18O2-PFHxS	403.0 > 102.6	9.51e2	2.75e3	0.1250	0.373	4.01	3.98	4.33	92.841	92.8		
40	40	13C2-6:2 FTS	429.1 > 408.9	2.67e3	1.15e4	0.1250	0.232	4.33	4.30	2.91	100.226	100.2		
41	41	13C2-PFOA	414.9 > 369.7	1.38e4	1.15e4	0.1250	1.360	4.39	4.36	15.1	88.735	88.7		
42	42	13C5-PFNA	468.2 > 422.9	8.52e3	1.27e4	0.1250	0.943	4.84	4.81	8.39	71.204	71.2		
43	43	13C8-PFOSA	506.1 > 77.7	1.72e3	2.07e4	0.1250	0.150	4.90	4.88	1.03	55.093	55.1		
44	44	13C8-PFOS	507.0 > 79.9	2.40e3	2.81e3	0.1250	1.042	4.92	4.89	10.7	82.107	82.1		
45	45	13C2-PFDA	515.1 > 469.9	1.41e4	1.65e4	0.1250	1.055	5.22	5.20	10.7	80.879	80.9		
46	46	13C2-8:2 FTS	529.1 > 508.7	2.21e3	1.07e4	0.1250	0.228	5.19	5.16	2.57	90.131	90.1		
47	47	d3-N-MeFOSAA	573.3 > 419	2.20e3	2.07e4	0.1250	0.135	5.37	5.35	1.32	78.746	78.7		
48	48	d5-N-EtFOSAA	589.3 > 419	2.94e3	2.07e4	0.1250	0.173	5.53	5.51	1.77	81.944	81.9		
49	49	13C2-PFUdA	565 > 519.8	1.39e4	2.07e4	0.1250	0.924	5.55	5.53	8.37	72.460	72.5		
50	50	13C2-PFDoA	615.0 > 569.7	1.36e4	1.65e4	0.1250	1.111	5.83	5.81	10.3	74.258	74.3		
51	51	d3-N-MeFOSA	515.2 > 168.9		2.07e4	0.1250	0.051	6.01						
52	52	13C2-PFTeDA	714.8 > 669.6	1.36e4	2.07e4	0.1250	0.847	6.30	6.29	8.23	77.703	77.7		
53	53	d5-N-ETFOSA	531.1 > 168.9		2.07e4	0.1250	0.067	6.39						
54	54	13C2-PFHxDA	815 > 769.7	6.71e3	2.07e4	0.1250	1.104	6.62	6.61	4.05	29.322	73.3		
55	55	d7-N-MeFOSE	623.1 > 58.9		2.07e4	0.1250	0.043	6.50						
56	56	d9-N-EtFOSE	639.2 > 58.8		2.07e4	0.1250	0.037	6.64						
57	57	13C4-PFBA	217. > 171.8	6.67e3	6.67e3	0.1250	1.000	1.43	1.38	12.5	100.000	100.0		
58	58	13C5-PFHxA	318 > 272.9	1.07e4	1.07e4	0.1250	1.000	3.22	3.18	12.5	100.000	100.0		
59	59	13C3-PFHxS	401.9 > 79.9	2.75e3	2.75e3	0.1250	1.000	4.01	3.98	12.5	100.000	100.0		
60	60	13C8-PFOA	421.3 > 376	1.15e4	1.15e4	0.1250	1.000	4.39	4.36	12.5	100.000	100.0		
61	61	13C9-PFNA	472.2 > 426.9	1.27e4	1.27e4	0.1250	1.000	4.84	4.81	12.5	100.000	100.0		
62	62	13C4-PFOS	503 > 79.9	2.81e3	2.81e3	0.1250	1.000	4.92	4.90	12.5	100.000	100.0		
63	63	13C6-PFDA	519.1 > 473.7	1.65e4	1.65e4	0.1250	1.000	5.22	5.20	12.5	100.000	100.0		
64	64	13C7-PFUdA	570.1 > 524.8	2.07e4	2.07e4	0.1250	1.000	5.55	5.53	12.5	100.000	100.0		
65	65	Total PFHxS	398.9 > 79.6	0.00e0	9.51e2	0.1250		4.05		0.000				
66	66	Total PFOA	413 > 368.7	1.80e2	1.38e4	0.1250		4.30		0.000				
67	67	Total PFOS	499.1 > 79.9	1.35e0	2.40e3	0.1250		4.90		0.000				
68	68	Total N-MeFOSAA	570.1 > 419	0.00e0	2.20e3	0.1250		5.55		0.000				

AR 5/31/18

Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-40.qld

Last Altered: Saturday, May 26, 2018 13:10:29 Pacific Daylight Time
Printed: Monday, June 04, 2018 11:03:52 Pacific Daylight Time

Name: 180524M1_40, Date: 24-May-2018, Time: 20:45:11, ID: B8E0076-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
69	69	Total N-EtFOSAA	584.2 > 419	0.00e0	2.94e3	0.1250		5.70		0.000				
70	70	TCDA	498.3>106.9			0.1250		5.11						
71	71	Total PFOA+PFOS	499 > 79.9,41...											
72	72	13C2-4:2 FTS	329.2>308.9	2.41e3	1.07e4	0.1250	0.272	3.12	3.09	2.81	82.428			

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Vista Analytical Laboratory

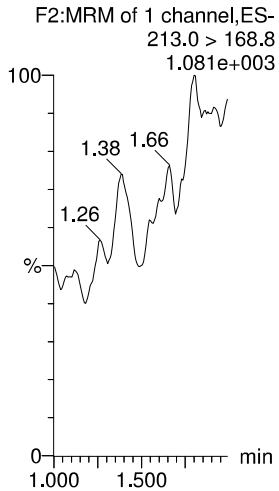
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-40.qld

Last Altered: Saturday, May 26, 2018 13:10:29 Pacific Daylight Time
Printed: Monday, June 04, 2018 11:03:52 Pacific Daylight Time

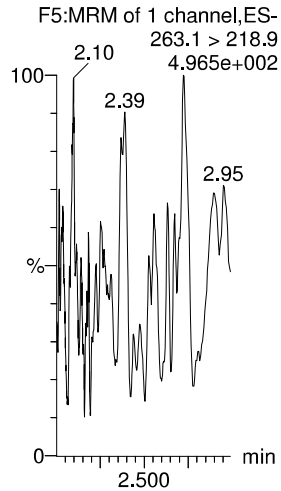
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052418.mdb 24 May 2018 18:42:02
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-24-18.cdb 24 May 2018 18:06:26

Name: 180524M1_40, Date: 24-May-2018, Time: 20:45:11, ID: B8E0076-BLK1 Method Blank 0.125, Description: Method Blank

PFBA



PFPeA



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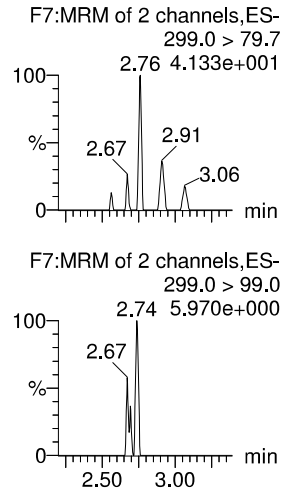
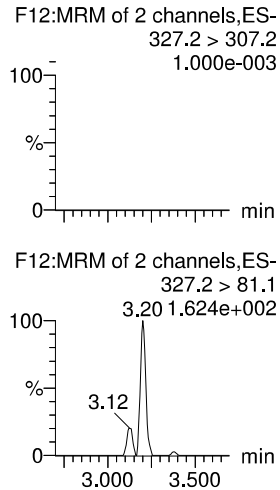
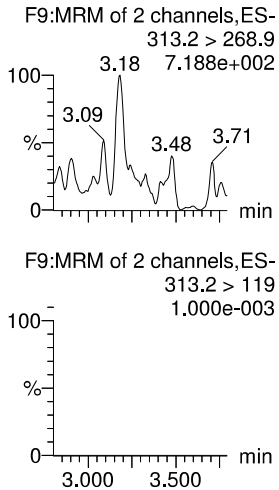


4:2 FTS



PFHxA



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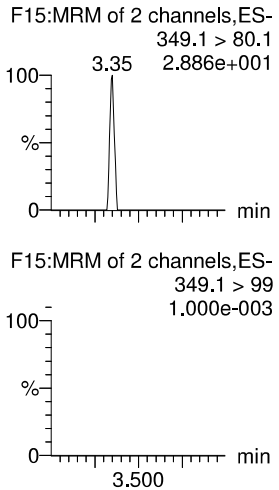
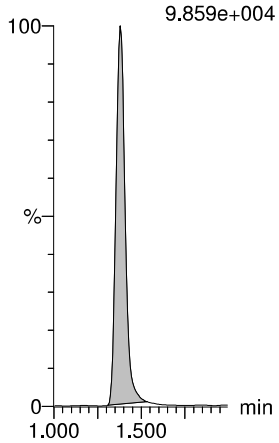


13C3-PFBA



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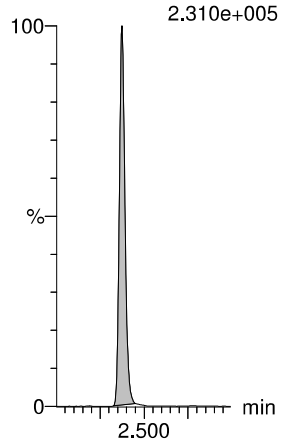

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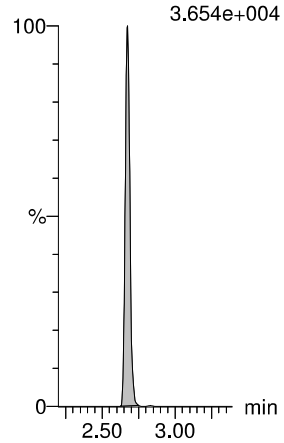
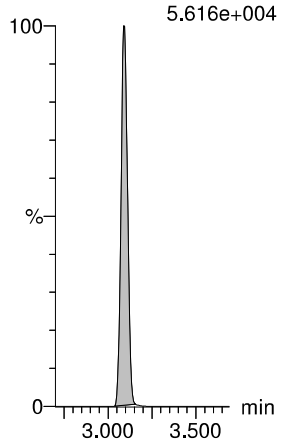


13C2-4:2 FTS



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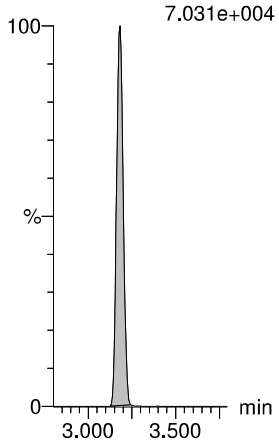

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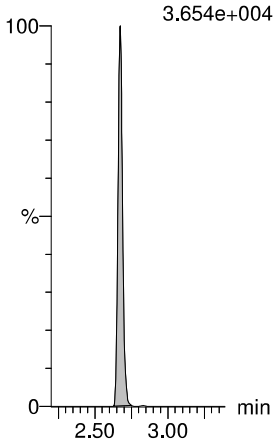

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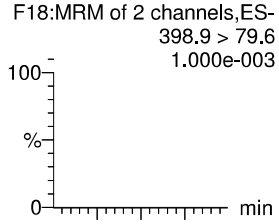
Vista Analytical Laboratory

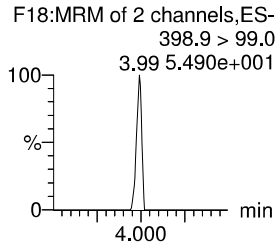
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-40.qld

Last Altered: Saturday, May 26, 2018 13:10:29 Pacific Daylight Time
Printed: Monday, June 04, 2018 11:03:52 Pacific Daylight Time

Name: 180524M1_40, Date: 24-May-2018, Time: 20:45:11, ID: B8E0076-BLK1 Method Blank 0.125, Description: Method Blank

L-PFHxS





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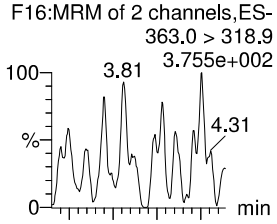
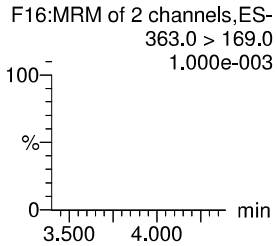
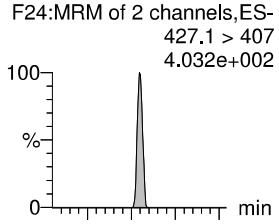
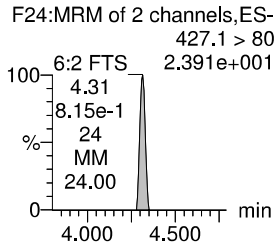


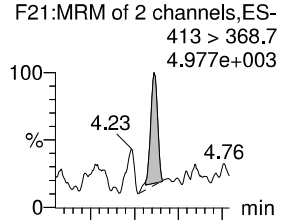


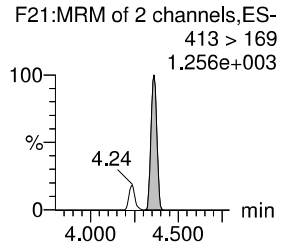
6:2 FTS





L-PFOA





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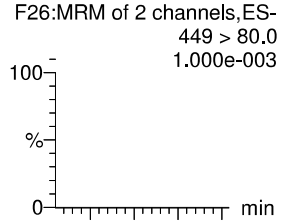

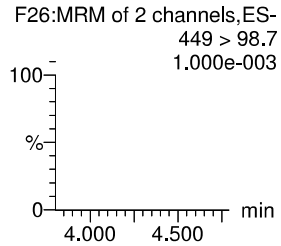

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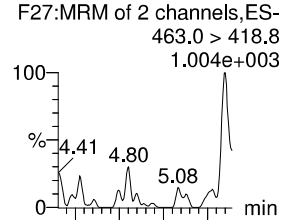
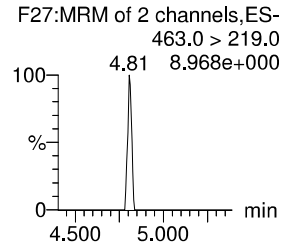
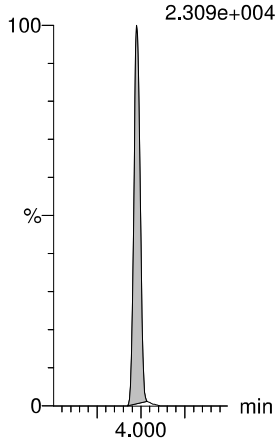
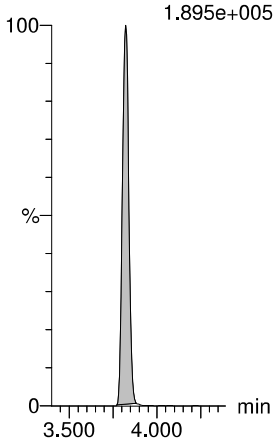




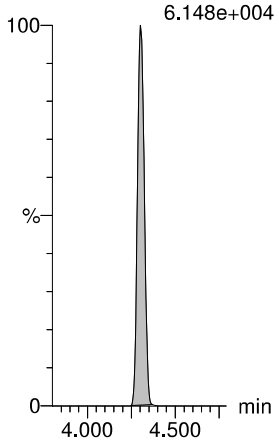
18O2-PFHxS



13C4-PFHpA



13C2-6:2 FTS



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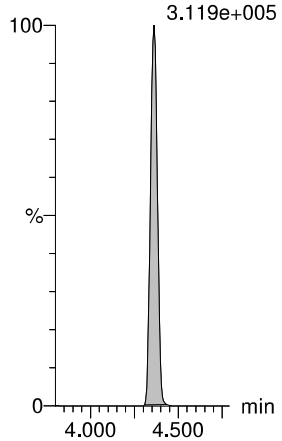

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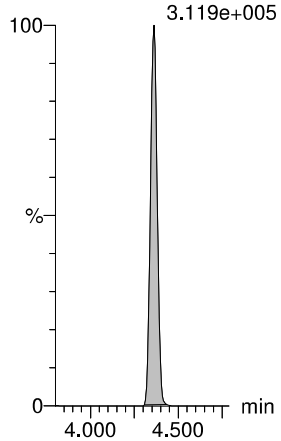
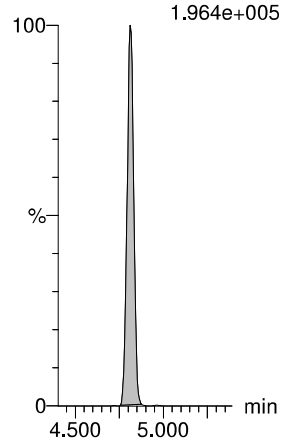


13C5-PFNA



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Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-40.qld

Last Altered: Saturday, May 26, 2018 13:10:29 Pacific Daylight Time
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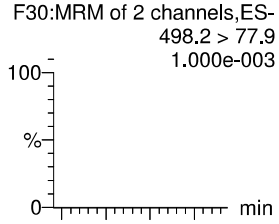
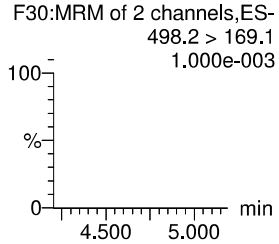
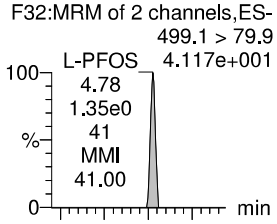
Name: 180524M1_40, Date: 24-May-2018, Time: 20:45:11, ID: B8E0076-BLK1 Method Blank 0.125, Description: Method Blank

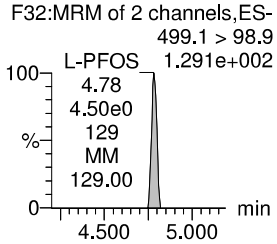
PFOSA





L-PFOS





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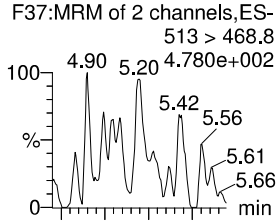
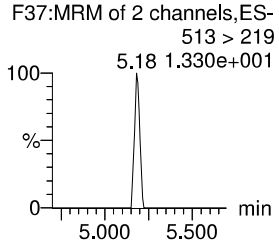
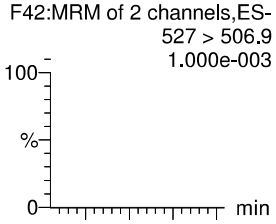
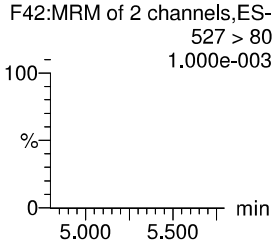




8:2 FTS





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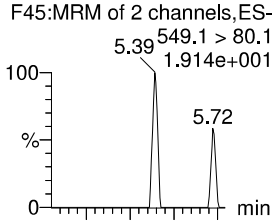
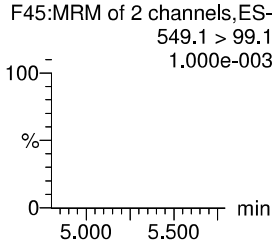
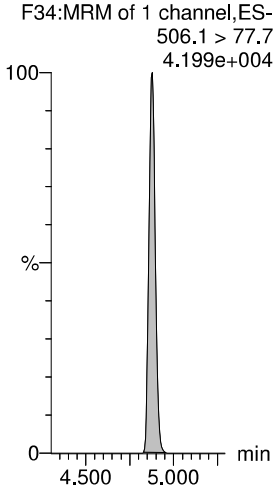




13C8-PFOSA



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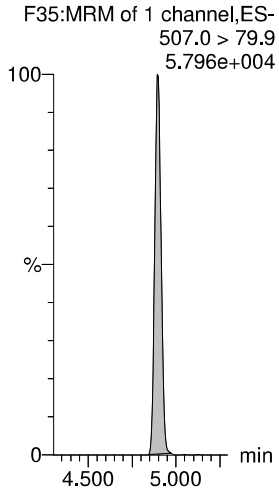

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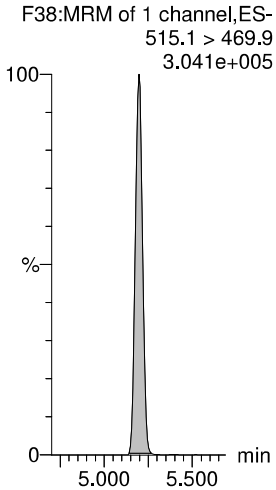
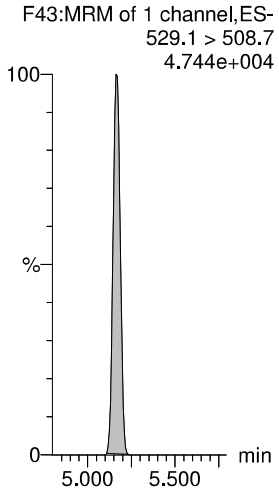


13C2-8:2 FTS



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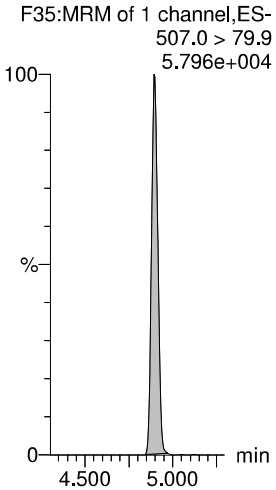
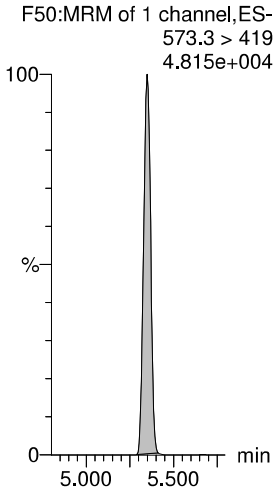


d3-N-MeFOSAA



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Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-40.qld

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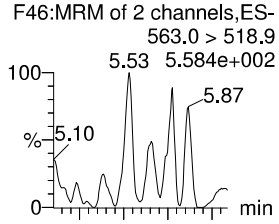
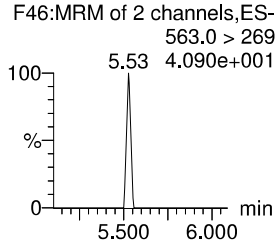
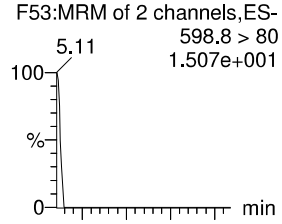
Name: 180524M1_40, Date: 24-May-2018, Time: 20:45:11, ID: B8E0076-BLK1 Method Blank 0.125, Description: Method Blank

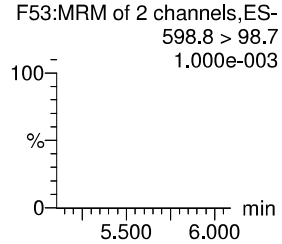
PFUdA



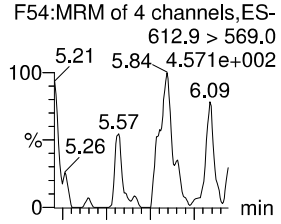


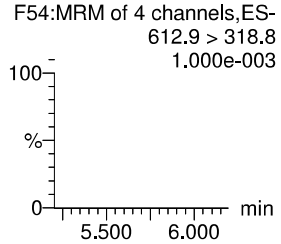
PFDS



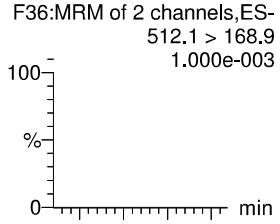


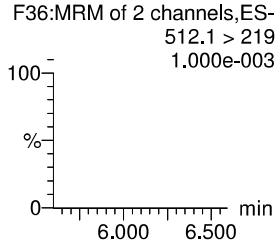
PFDoA



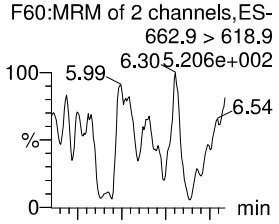


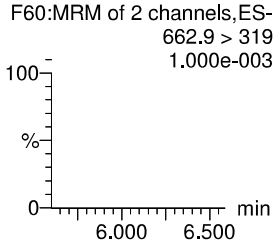
N-MeFOSA



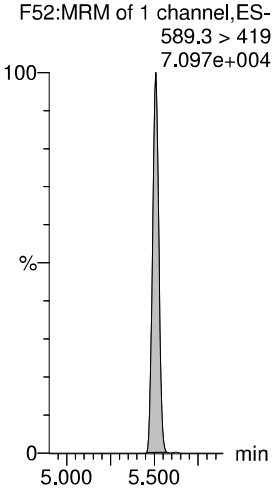


PFTrDA

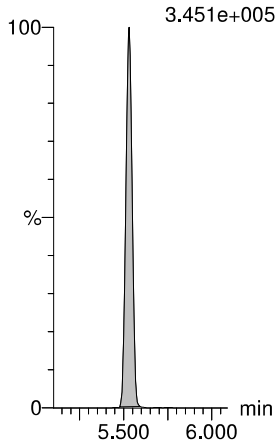




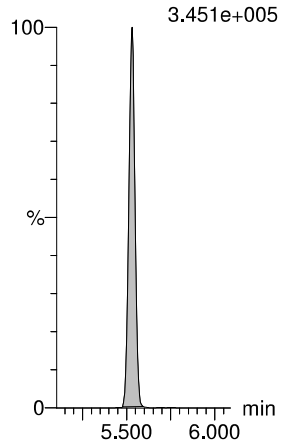
d5-N-EtFOSAA



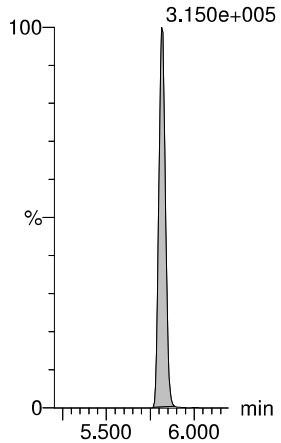
13C2-PFUdA



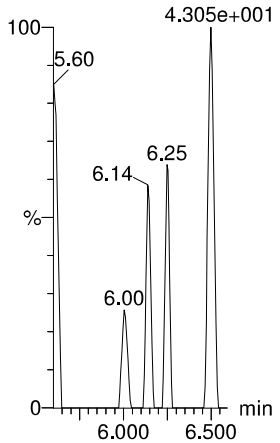
13C2-PFUdA



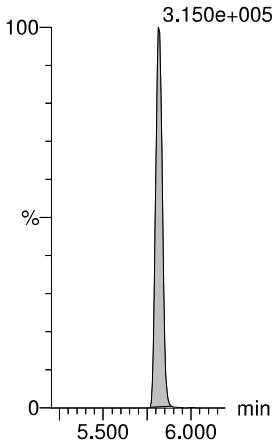
13C2-PFDoA



d3-N-MeFOSA



13C2-PFDoA



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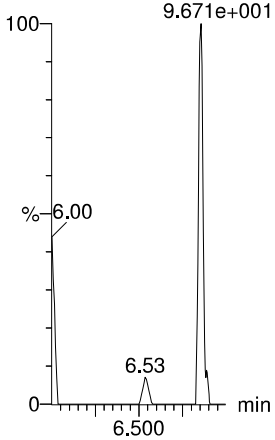
Vista Analytical Laboratory

Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-40.qld

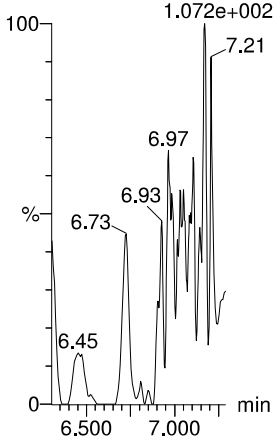
Last Altered: Saturday, May 26, 2018 13:10:29 Pacific Daylight Time
Printed: Monday, June 04, 2018 11:03:52 Pacific Daylight Time

Name: 180524M1_40, Date: 24-May-2018, Time: 20:45:11, ID: B8E0076-BLK1 Method Blank 0.125, Description: Method Blank

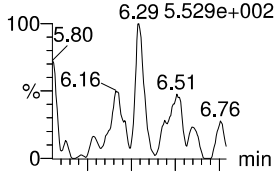
N-MeFOSE
F56:MRM of 1 channel,ES-
616.1 > 58.9
9.671e+001



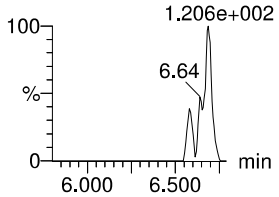
N-EtFOSE
F58:MRM of 1 channel,ES-
630.1 > 58.9
1.072e+002



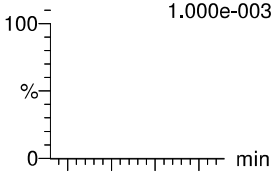
PFTeDA
F61:MRM of 2 channels,ES-
712.9 > 668.8
6.29 5.529e+002



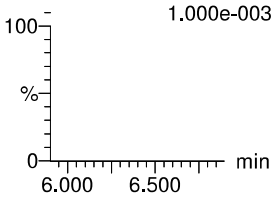
F61:MRM of 2 channels,ES-
712.9 > 369
1.206e+002



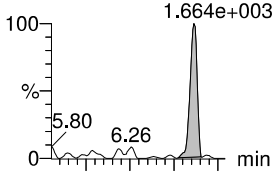
N-EtFOSA
F41:MRM of 2 channels,ES-
526.1 > 168.9
1.000e-003



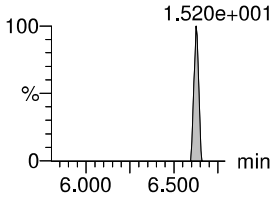
F41:MRM of 2 channels,ES-
526.1 > 219
1.000e-003



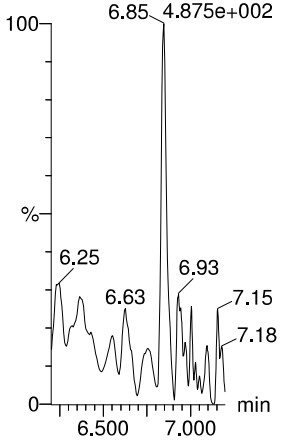
PFHxDA
F63:MRM of 2 channels,ES-
813.1 > 768.6
1.664e+003



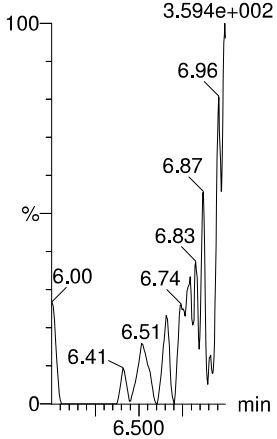
F63:MRM of 2 channels,ES-
813.1 > 219
1.520e+001



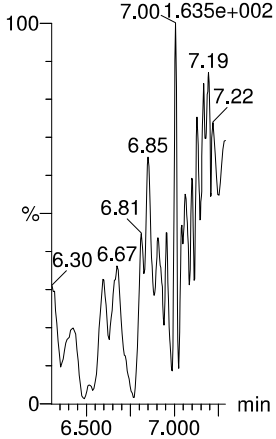
PFODA
F65:MRM of 1 channel,ES-
913.1 > 868.8
6.85 4.875e+002



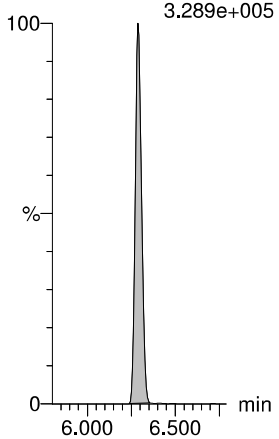
d7-N-MeFOSE
F57:MRM of 1 channel,ES-
623.1 > 58.9
3.594e+002



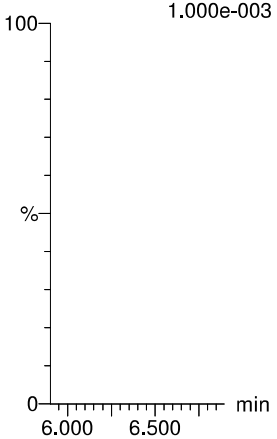
d9-N-EtFOSE
F59:MRM of 1 channel,ES-
639.2 > 58.8
7.00 1.635e+002



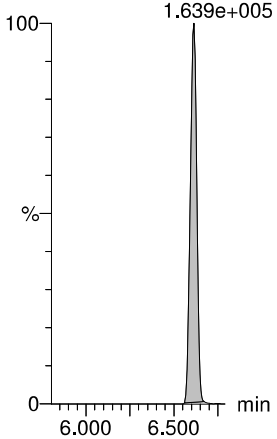
13C2-PFTeDA
F62:MRM of 2 channels,ES-
714.8 > 669.6
3.289e+005



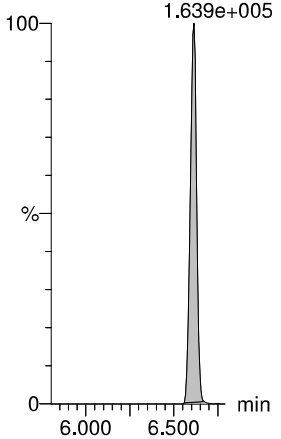
d5-N-ETFOSA
F44:MRM of 1 channel,ES-
531.1 > 168.9
1.000e-003



13C2-PFHxDA
F64:MRM of 1 channel,ES-
815 > 769.7
1.639e+005



13C2-PFHxDA
F64:MRM of 1 channel,ES-
815 > 769.7
1.639e+005



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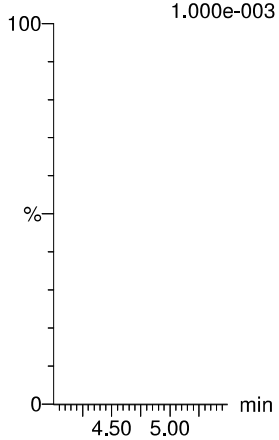
Vista Analytical Laboratory

Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-40.qld

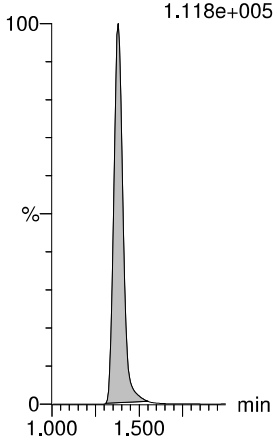
Last Altered: Saturday, May 26, 2018 13:10:29 Pacific Daylight Time
Printed: Monday, June 04, 2018 11:03:52 Pacific Daylight Time

Name: 180524M1_40, Date: 24-May-2018, Time: 20:45:11, ID: B8E0076-BLK1 Method Blank 0.125, Description: Method Blank

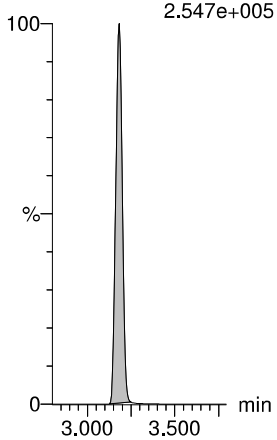
TCDA
F31:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



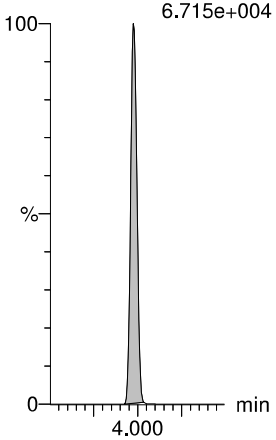
13C4-PFBA
F4:MRM of 1 channel,ES-
217. > 171.8
1.118e+005



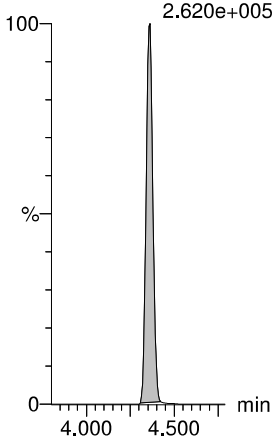
13C5-PFHxA
F11:MRM of 1 channel,ES-
318 > 272.9
2.547e+005



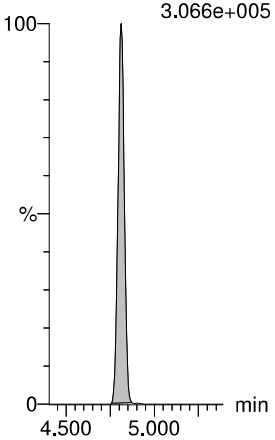
13C3-PFHxS
F19:MRM of 1 channel,ES-
401.9 > 79.9
6.715e+004



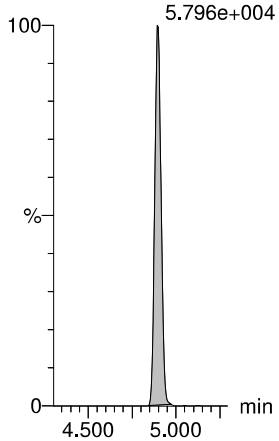
13C8-PFOA
F23:MRM of 1 channel,ES-
421.3 > 376
2.620e+005



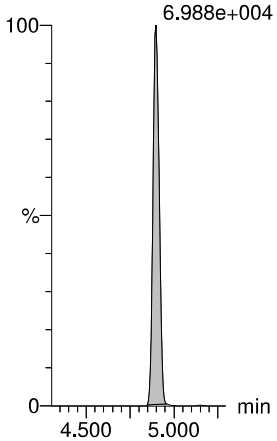
13C9-PFNA
F29:MRM of 1 channel,ES-
472.2 > 426.9
3.066e+005



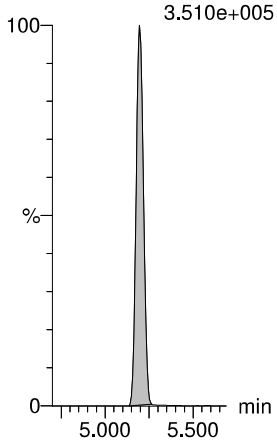
13C8-PFOS
F35:MRM of 1 channel,ES-
507.0 > 79.9
5.796e+004



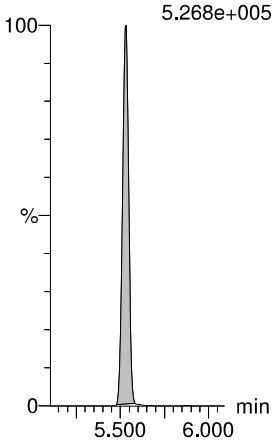
13C4-PFOS
F33:MRM of 1 channel,ES-
503 > 79.9
6.988e+004



13C6-PFDA
F40:MRM of 1 channel,ES-
519.1 > 473.7
3.510e+005



13C7-PFUdA
F49:MRM of 1 channel,ES-
570.1 > 524.8
5.268e+005



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Vista Analytical Laboratory

Rev'd: MM 5/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-41.qld

Last Altered: Saturday, May 26, 2018 13:14:57 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 19:14:24 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052418.mdb 24 May 2018 18:42:02
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-24-18.cdb 24 May 2018 18:06:26

Name: 180524M1_41, Date: 24-May-2018, Time: 20:55:42, ID: B8E0076-BS1 OPR 0.125, Description: OPR

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8	7.12e3	7.01e3	0.1250		1.38	1.38	12.7	88.686	110.9		
2	2	PFPeA	263.1 > 218.9	8.85e3	9.91e3	0.1250		2.37	2.37	11.2	87.966	110.0		
3	3	PFBS	299.0 > 79.7	2.39e3	1.44e3	0.1250		2.67	2.67	20.7	85.102	106.4	2.496	NO
4	4	4:2 FTS	327.2>307.2	2.85e3	1.44e3	0.1250		3.08	3.09	24.7	77.584	97.0	1.850	NO
5	5	PFHxA	313.2 > 268.9	1.23e4	3.48e3	0.1250		3.18	3.18	17.6	85.845	107.3	224.811	NO
6	6	PFPeS	349.1>80.1	2.43e3	1.44e3	0.1250		3.38	3.39	21.0	85.848	107.3	1.623	NO
7	7	PFHpA	363.0 > 318.9	9.87e3	8.85e3	0.1250		3.82	3.82	13.9	91.735	114.7	12.710	NO
8	8	L-PFHxS	398.9 > 79.6	1.71e3	1.07e3	0.1250		3.98	3.98	20.0	80.742	100.9	1.452	NO
9	10	6:2 FTS	427.1 > 407	3.38e3	2.47e3	0.1250		4.34	4.30	17.1	92.813	116.0	2.622	NO
10	11	L-PFOA	413 > 368.7	1.31e4	1.51e4	0.1250		4.40	4.36	10.8	95.289	119.1	3.868	NO
11	13	PFHpS	449 > 80.0	2.47e3	1.51e4	0.1250		4.51	4.48	2.04	101.680	127.1	2.052	NO
12	14	PFNA	463.0 > 418.8	1.31e4	1.17e4	0.1250		4.84	4.81	14.1	78.814	98.5	4.230	NO
13	15	PFOSA	498.2 > 77.9	1.60e3	2.04e3	0.1250		4.90	4.88	9.80	83.698	104.6	14.503	NO
14	16	L-PFOS	499.1 > 79.9	2.38e3	2.68e3	0.1250		4.92	4.90	11.1	100.724	125.9	2.106	NO
15	18	PFDA	513 > 468.8	1.42e4	1.58e4	0.1250		5.22	5.20	11.3	83.788	104.7	5.525	NO
16	19	8:2 FTS	527 > 506.9	3.08e3	2.42e3	0.1250		5.19	5.16	15.9	80.598	100.7	2.365	NO
17	20	PFNS	549.1>80.1	2.12e3	2.68e3	0.1250		5.28	5.27	9.90	98.409	123.0	1.973	NO
18	21	N-MeFOSAA	570.1 > 419	5.48e3	2.38e3	0.1250		5.37	5.35	28.7	95.811	119.8	26.949	NO
19	22	N-EtFOSAA	584.2 > 419	3.99e3	2.38e3	0.1250		5.53	5.51	20.9	96.441	120.6	28.934	YES
20	23	PFUdA	563.0 > 518.9	1.39e4	1.72e4	0.1250		5.55	5.53	10.1	81.165	101.5	9.695	NO
21	24	PFDS	598.8 > 80	2.38e3	1.72e4	0.1250		5.59	5.58	1.73	86.315	107.9	2.058	NO
22	25	PFDoA	612.9 > 569.0	1.63e4	1.50e4	0.1250		5.83	5.82	13.5	94.126	117.7	8.693	NO
23	26	N-MeFOSA	512.1 > 168.9	1.37e3		0.1250		5.98	5.97				1.374	NO
24	27	PFTrDA	662.9 > 618.9	1.83e4	1.50e4	0.1250		6.08	6.07	15.2	91.333	114.2	26.546	NO
25	28	PFTeDA	712.9 > 668.8	1.53e4	1.53e4	0.1250		6.30	6.29	12.5	80.072	100.1	11.729	NO
26	29	N-EtFOSA	526.1 > 168.9	1.56e3		0.1250		6.38	6.38				1.474	NO
27	30	PFHxDA	813.1 > 768.6	8.44e3	7.25e3	0.1250		6.61	6.61	5.82	85.810	107.3	26.251	NO
28	31	PFODA	913.1 > 868.8	8.83e2	7.25e3	0.1250		6.85	6.84	0.610	7.633	9.5		
29	32	N-MeFOSE	616.1 > 58.9	1.64e3		0.1250		6.51	6.52					
30	33	N-EtFOSE	630.1 > 58.9	1.93e3		0.1250		6.65	6.67					
31	34	13C3-PFBA	216.1 > 171.8	7.01e3	8.26e3	0.1250	0.891	1.44	1.38	10.6	95.321	95.3		
32	35	13C3-PFPeA	266. > 221.8	9.91e3	1.26e4	0.1250	0.885	2.42	2.37	9.85	89.030	89.0		AR 5/30/2018

Rev'd: MM 5/31/2018

Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-41.qld

Last Altered: Saturday, May 26, 2018 13:14:57 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 19:14:24 Pacific Daylight Time

Name: 180524M1_41, Date: 24-May-2018, Time: 20:55:42, ID: B8E0076-BS1 OPR 0.125, Description: OPR

	#	Name	Trace	Area	IS Area	wt/vol	RRF	Pred.RT	RT	y Axis Resp.	Conc.	%Rec	Ion Ratio	Ratio Out?
33	36	13C3-PFBS	302. > 98.8	1.44e3	1.26e4	0.1250	0.108	2.72	2.67	1.43	106.094	106.1		
34	37	13C2-PFHxA	315 > 269.8	3.48e3	1.26e4	0.1250	0.743	3.22	3.18	3.46	37.302	93.3		
35	38	13C4-PFHpA	367.2 > 321.8	8.85e3	1.26e4	0.1250	0.794	3.86	3.82	8.80	88.679	88.7		
36	39	18O2-PFHxS	403.0 > 102.6	1.07e3	3.03e3	0.1250	0.373	4.01	3.98	4.40	94.457	94.5		
37	40	13C2-6:2 FTS	429.1 > 408.9	2.47e3	1.31e4	0.1250	0.232	4.33	4.30	2.36	81.340	81.3		
38	41	13C2-PFOA	414.9 > 369.7	1.51e4	1.31e4	0.1250	1.360	4.39	4.36	14.4	84.863	84.9		
39	42	13C5-PFNA	468.2 > 422.9	1.17e4	1.35e4	0.1250	0.943	4.84	4.81	10.8	91.433	91.4		
40	43	13C8-PFOSA	506.1 > 77.7	2.04e3	2.26e4	0.1250	0.150	4.90	4.88	1.13	60.252	60.3		
41	44	13C8-PFOS	507.0 > 79.9	2.68e3	3.04e3	0.1250	1.042	4.92	4.89	11.0	84.502	84.5		
42	45	13C2-PFDA	515.1 > 469.9	1.58e4	1.90e4	0.1250	1.055	5.22	5.20	10.4	78.901	78.9		
43	46	13C2-8:2 FTS	529.1 > 508.7	2.42e3	1.26e4	0.1250	0.228	5.19	5.16	2.40	84.259	84.3		
44	47	d3-N-MeFOSAA	573.3 > 419	2.38e3	2.26e4	0.1250	0.135	5.37	5.35	1.32	78.413	78.4		
45	48	d5-N-EtFOSAA	589.3 > 419	3.14e3	2.26e4	0.1250	0.173	5.53	5.51	1.74	80.533	80.5		
46	49	13C2-PFUdA	565 > 519.8	1.72e4	2.26e4	0.1250	0.924	5.55	5.53	9.50	82.297	82.3		
47	50	13C2-PFDoA	615.0 > 569.7	1.50e4	1.90e4	0.1250	1.111	5.83	5.81	9.89	71.227	71.2		
48	51	d3-N-MeFOSA	515.2 > 168.9		2.26e4	0.1250	0.051	6.01						
49	52	13C2-PFTeDA	714.8 > 669.6	1.53e4	2.26e4	0.1250	0.847	6.30	6.29	8.48	80.114	80.1		
50	53	d5-N-ETFOSA	531.1 > 168.9		2.26e4	0.1250	0.067	6.39						
51	54	13C2-PFHxDA	815 > 769.7	7.25e3	2.26e4	0.1250	1.104	6.62	6.61	4.01	29.062	72.7		
52	55	d7-N-MeFOSE	623.1 > 58.9		2.26e4	0.1250	0.043	6.50						
53	56	d9-N-EtFOSE	639.2 > 58.8		2.26e4	0.1250	0.037	6.64						
54	57	13C4-PFBA	217. > 171.8	8.26e3	8.26e3	0.1250	1.000	1.43	1.38	12.5	100.000	100.0		
55	58	13C5-PFHxA	318 > 272.9	1.26e4	1.26e4	0.1250	1.000	3.22	3.18	12.5	100.000	100.0		
56	59	13C3-PFHxS	401.9 > 79.9	3.03e3	3.03e3	0.1250	1.000	4.01	3.98	12.5	100.000	100.0		
57	60	13C8-PFOA	421.3 > 376	1.31e4	1.31e4	0.1250	1.000	4.39	4.36	12.5	100.000	100.0		
58	61	13C9-PFNA	472.2 > 426.9	1.35e4	1.35e4	0.1250	1.000	4.84	4.81	12.5	100.000	100.0		
59	62	13C4-PFOS	503 > 79.9	3.04e3	3.04e3	0.1250	1.000	4.92	4.90	12.5	100.000	100.0		
60	63	13C6-PFDA	519.1 > 473.7	1.90e4	1.90e4	0.1250	1.000	5.22	5.20	12.5	100.000	100.0		
61	64	13C7-PFUdA	570.1 > 524.8	2.26e4	2.26e4	0.1250	1.000	5.55	5.53	12.5	100.000	100.0		
62	65	Total PFHxS	398.9 > 79.6	1.71e3	1.07e3	0.1250		4.05		20.0	80.742			
63	66	Total PFOA	413 > 368.7	1.31e4	1.51e4	0.1250		4.30		10.8	95.289			
64	67	Total PFOS	499.1 > 79.9	2.38e3	2.68e3	0.1250		4.90		11.1	100.724			
65	68	Total N-MeFOSAA	570.1 > 419	5.48e3	2.38e3	0.1250		5.55		28.7	95.811			
66	69	Total N-EtFOSAA	584.2 > 419	3.99e3	3.14e3	0.1250		5.70		20.9	96.441			

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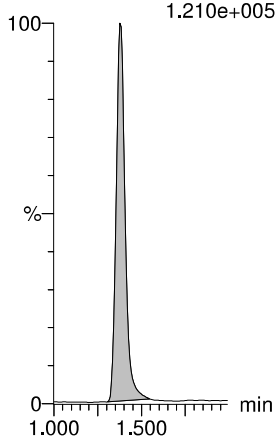
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-41.qld

Last Altered: Saturday, May 26, 2018 13:14:57 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 19:14:24 Pacific Daylight Time

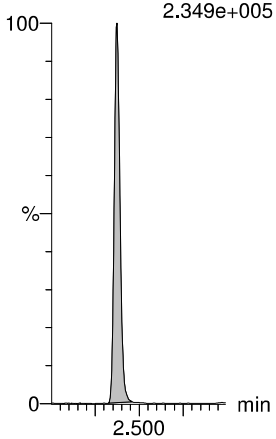
Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052418.mdb 24 May 2018 18:42:02
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-24-18.cdb 24 May 2018 18:06:26

Name: 180524M1_41, Date: 24-May-2018, Time: 20:55:42, ID: B8E0076-BS1 OPR 0.125, Description: OPR

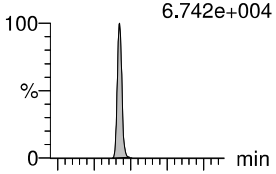
PFBA
F2:MRM of 1 channel,ES-
213.0 > 168.8
1.210e+005



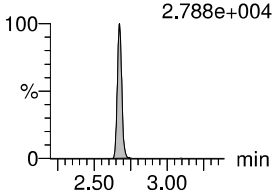
PFPeA
F5:MRM of 1 channel,ES-
263.1 > 218.9
2.349e+005



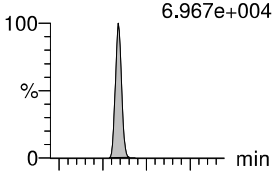
PFBS
F7:MRM of 2 channels,ES-
299.0 > 79.7
6.742e+004



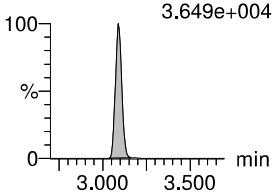
F7:MRM of 2 channels,ES-
299.0 > 99.0
2.788e+004



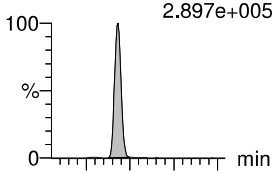
4:2 FTS
F12:MRM of 2 channels,ES-
327.2 > 307.2
6.967e+004



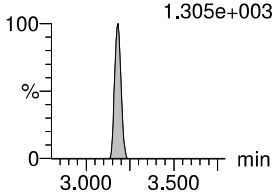
F12:MRM of 2 channels,ES-
327.2 > 81.1
3.649e+004



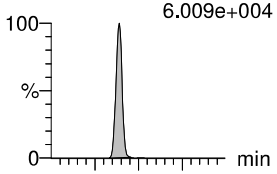
PFHxA
F9:MRM of 2 channels,ES-
313.2 > 268.9
2.897e+005



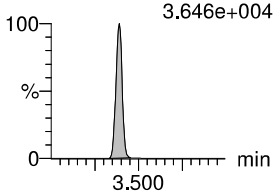
F9:MRM of 2 channels,ES-
313.2 > 119
1.305e+003



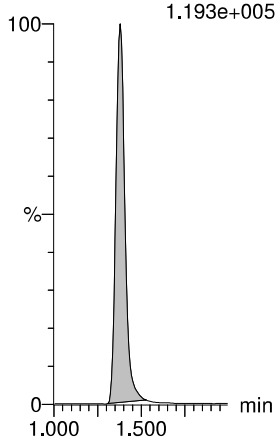
PFPeS
F15:MRM of 2 channels,ES-
349.1 > 80.1
6.009e+004



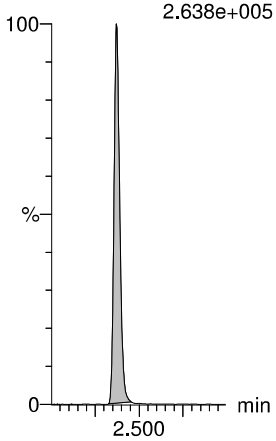
F15:MRM of 2 channels,ES-
349.1 > 99
3.646e+004



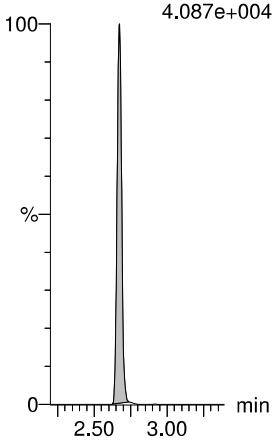
13C3-PFBA
F3:MRM of 1 channel,ES-
216.1 > 171.8
1.193e+005



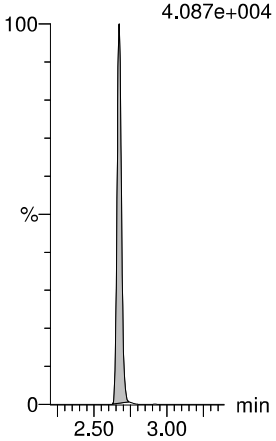
13C3-PFPeA
F6:MRM of 1 channel,ES-
266. > 221.8
2.638e+005



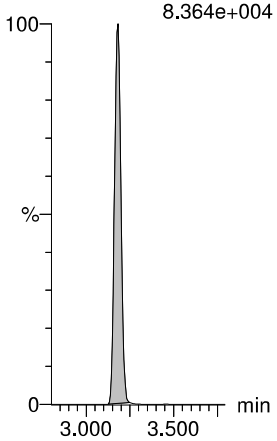
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
4.087e+004



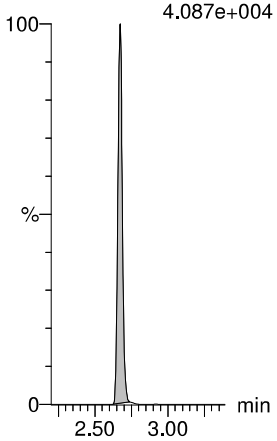
13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
4.087e+004



13C2-PFHxA
F10:MRM of 1 channel,ES-
315 > 269.8
8.364e+004



13C3-PFBS
F8:MRM of 1 channel,ES-
302. > 98.8
4.087e+004



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Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-41.qld

Last Altered: Saturday, May 26, 2018 13:14:57 Pacific Daylight Time
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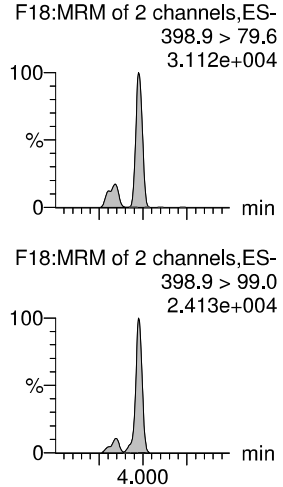
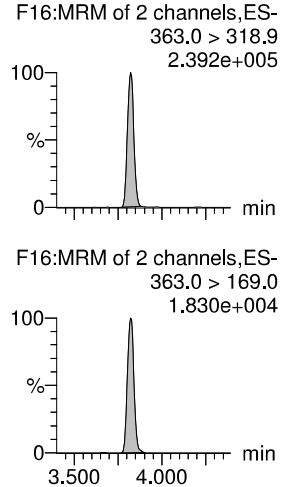
Name: 180524M1_41, Date: 24-May-2018, Time: 20:55:42, ID: B8E0076-BS1 OPR 0.125, Description: OPR

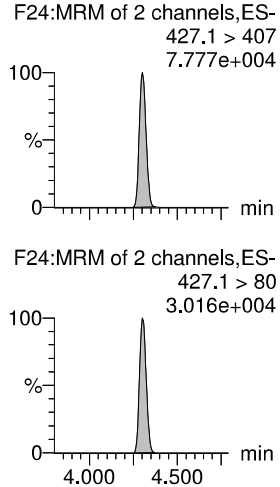
L-PFHxS



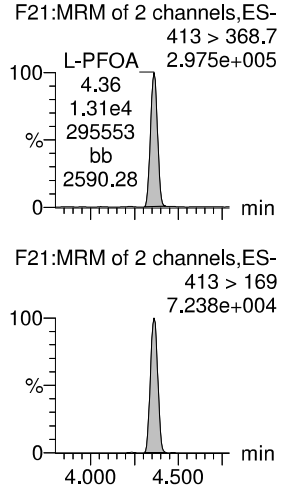
PFHpA



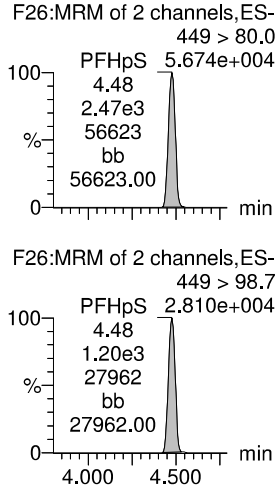
6:2 FTS



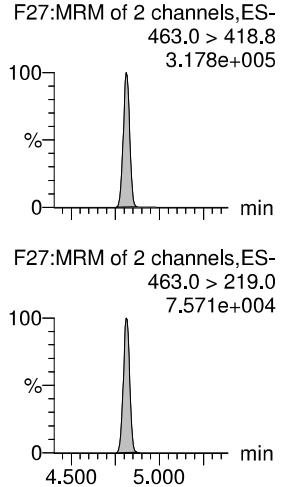
L-PFOA



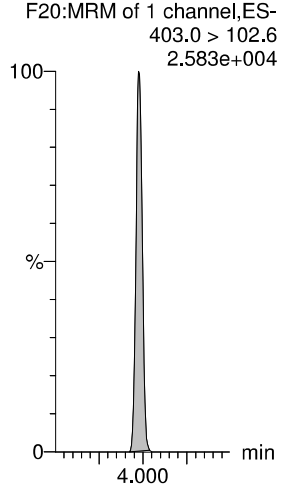
PFHpS



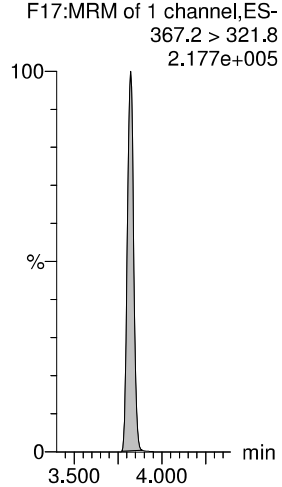
PFNA



18O2-PFHxS



13C4-PFHpA



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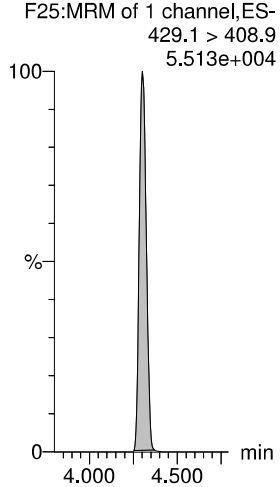

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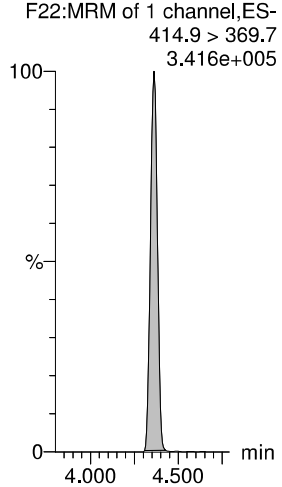

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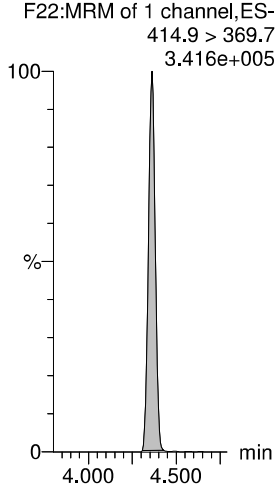
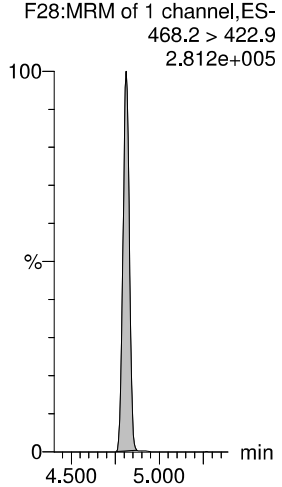


13C5-PFNA



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Vista Analytical Laboratory

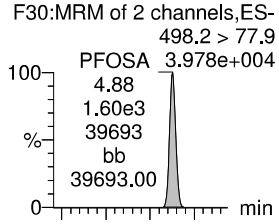
Rev'd: MM 5/31/2018

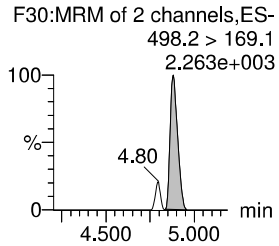
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-41.qld

Last Altered: Saturday, May 26, 2018 13:14:57 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 19:14:24 Pacific Daylight Time

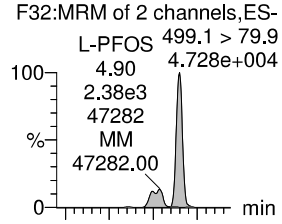
Name: 180524M1_41, Date: 24-May-2018, Time: 20:55:42, ID: B8E0076-BS1 OPR 0.125, Description: OPR

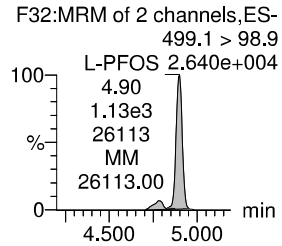
PFOSA





L-PFOS





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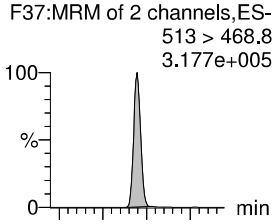
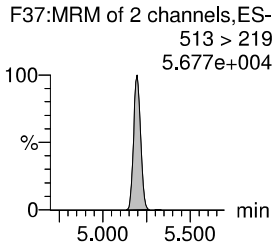
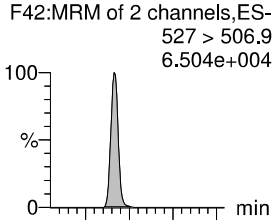
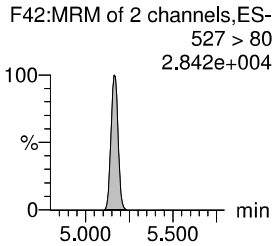


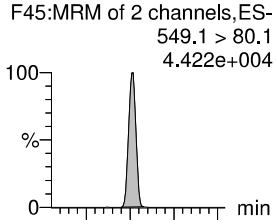


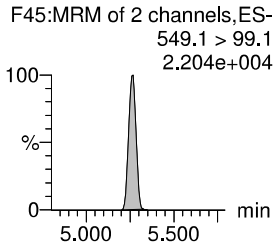
8:2 FTS



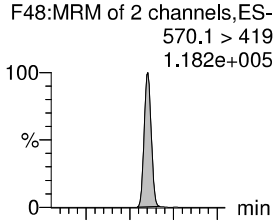


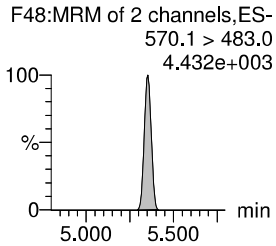
PFNS



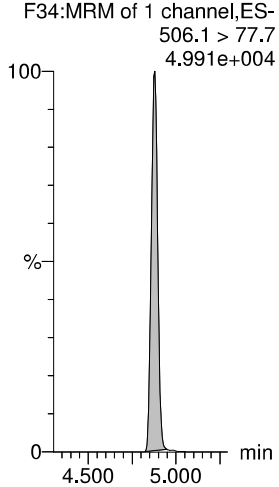


N-MeFOSAA

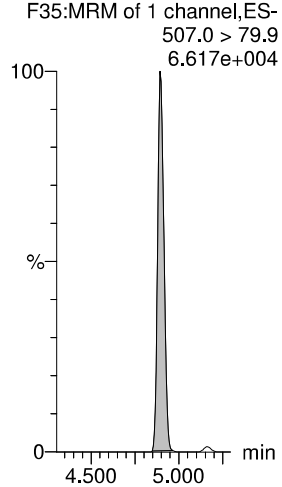




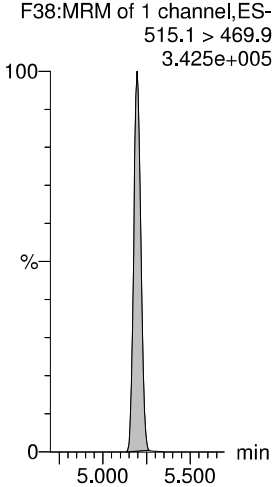
13C8-PFOSA



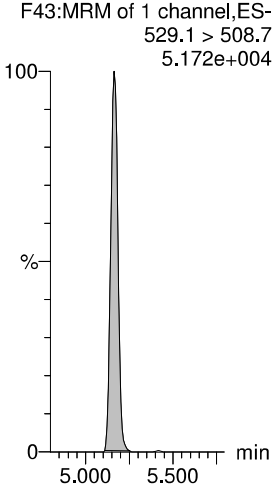
13C8-PFOS



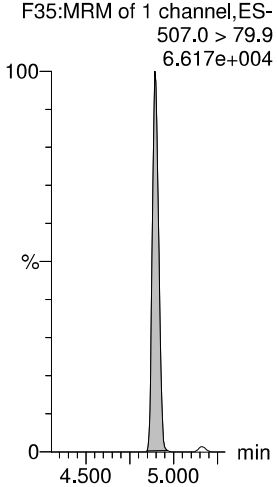
13C2-PFDA



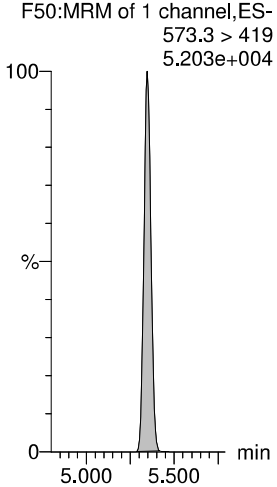
13C2-8:2 FTS



13C8-PFOS



d3-N-MeFOSAA



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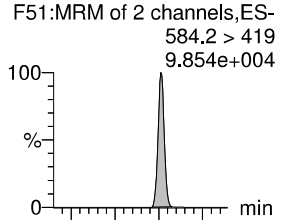
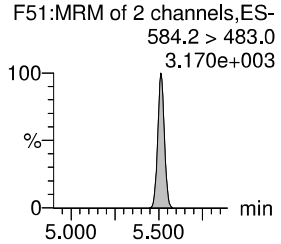
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-41.qld

Last Altered: Saturday, May 26, 2018 13:14:57 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 19:14:24 Pacific Daylight Time

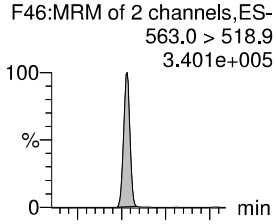
Name: 180524M1_41, Date: 24-May-2018, Time: 20:55:42, ID: B8E0076-BS1 OPR 0.125, Description: OPR

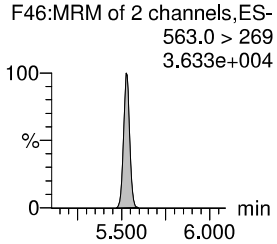
N-EtFOSAA



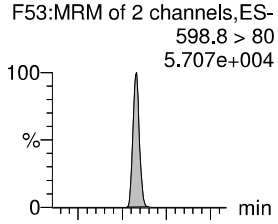


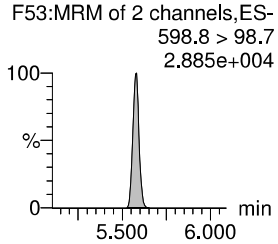
PFUdA



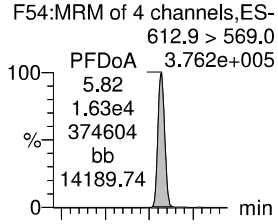


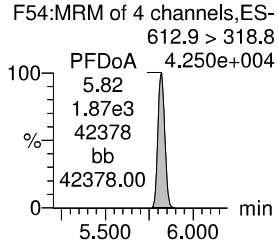
PFDS



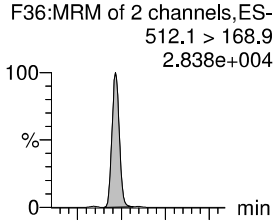


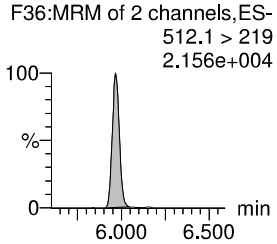
PFDoA



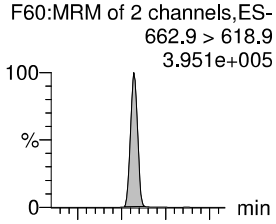


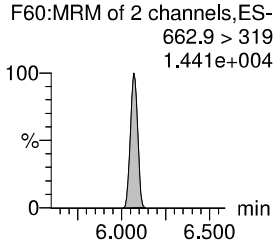
N-MeFOSA



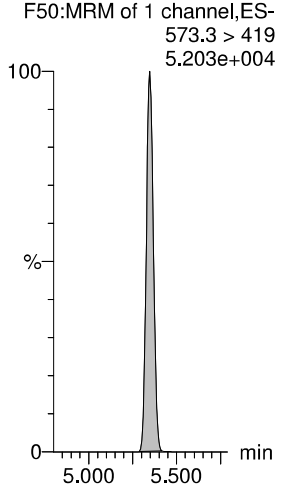


PFTrDA

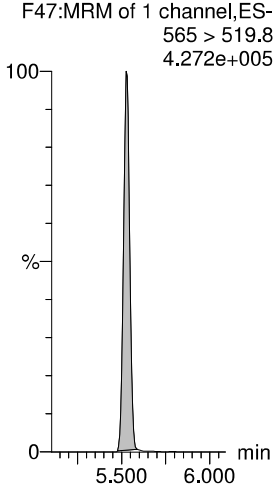




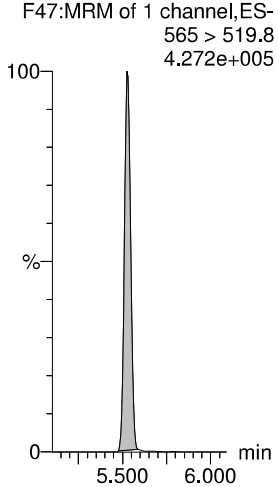
d3-N-MeFOSAA



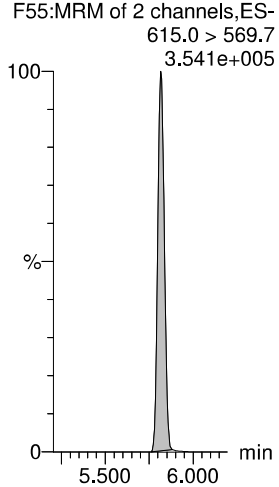
13C2-PFUdA



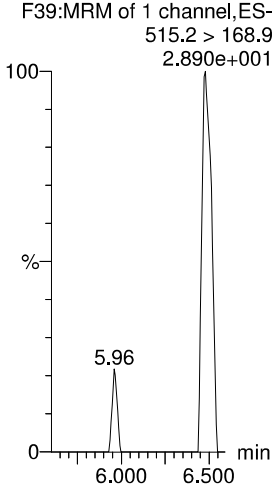
13C2-PFUdA



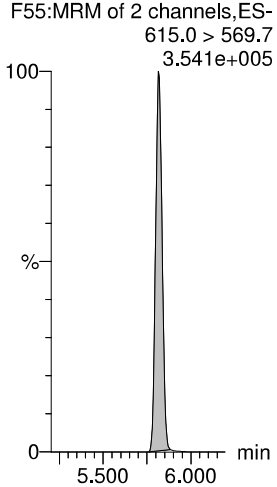
13C2-PFDoA



d3-N-MeFOSA



13C2-PFDoA



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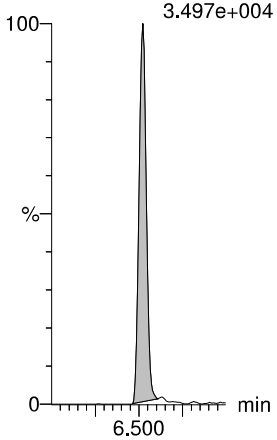
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-41.qld

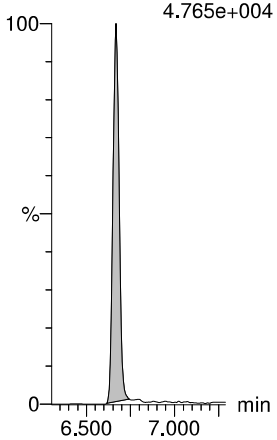
Last Altered: Saturday, May 26, 2018 13:14:57 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 19:14:24 Pacific Daylight Time

Name: 180524M1_41, Date: 24-May-2018, Time: 20:55:42, ID: B8E0076-BS1 OPR 0.125, Description: OPR

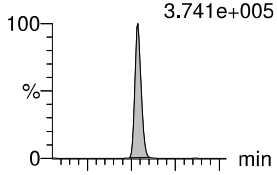
N-MeFOSE
F56:MRM of 1 channel,ES-
616.1 > 58.9
3.497e+004



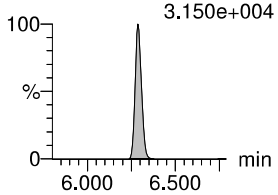
N-EtFOSE
F58:MRM of 1 channel,ES-
630.1 > 58.9
4.765e+004



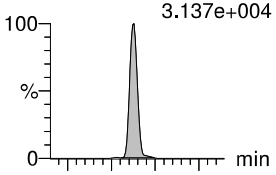
PFTeDA
F61:MRM of 2 channels,ES-
712.9 > 668.8
3.741e+005



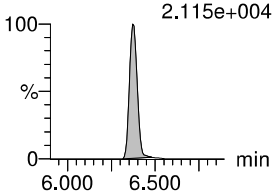
F61:MRM of 2 channels,ES-
712.9 > 369
3.150e+004



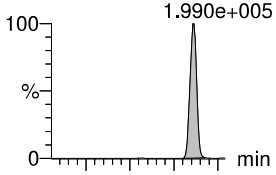
N-EtFOSA
F41:MRM of 2 channels,ES-
526.1 > 168.9
3.137e+004



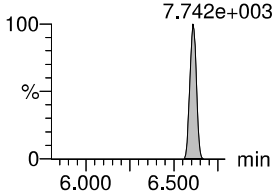
F41:MRM of 2 channels,ES-
526.1 > 219
2.115e+004



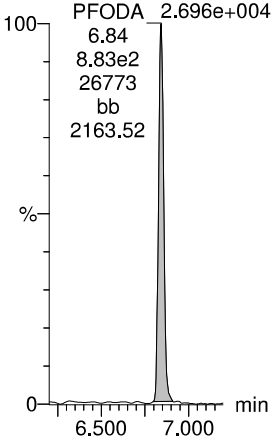
PFHxDA
F63:MRM of 2 channels,ES-
813.1 > 768.6
1.990e+005



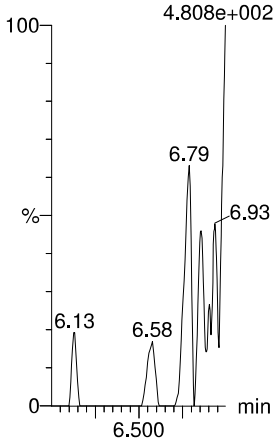
F63:MRM of 2 channels,ES-
813.1 > 219
7.742e+003



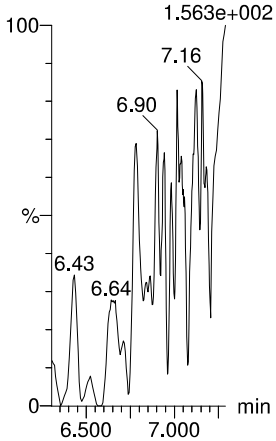
PFODA
F65:MRM of 1 channel,ES-
913.1 > 868.8
2.696e+004



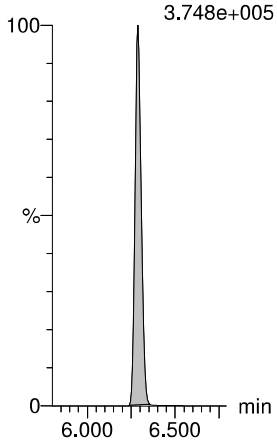
d7-N-MeFOSE
F57:MRM of 1 channel,ES-
623.1 > 58.9
4.808e+002



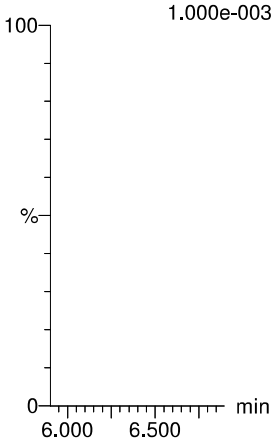
d9-N-EtFOSE
F59:MRM of 1 channel,ES-
639.2 > 58.8
1.563e+002



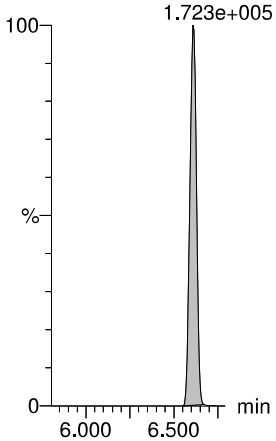
13C2-PFTeDA
F62:MRM of 2 channels,ES-
714.8 > 669.6
3.748e+005



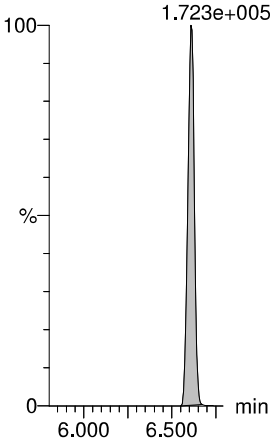
d5-N-ETFOSA
F44:MRM of 1 channel,ES-
531.1 > 168.9
1.000e-003



13C2-PFHxDA
F64:MRM of 1 channel,ES-
815 > 769.7
1.723e+005



13C2-PFHxDA
F64:MRM of 1 channel,ES-
815 > 769.7
1.723e+005



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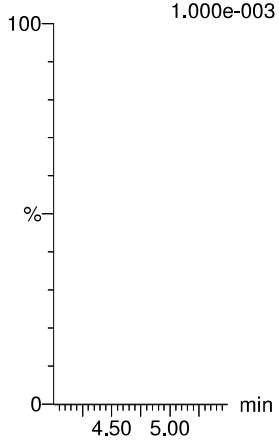
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-41.qld

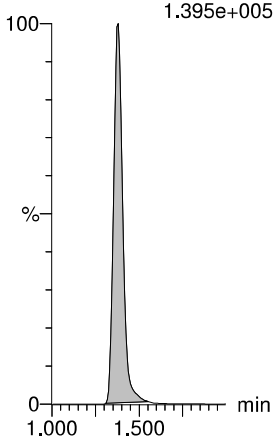
Last Altered: Saturday, May 26, 2018 13:14:57 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 19:14:24 Pacific Daylight Time

Name: 180524M1_41, Date: 24-May-2018, Time: 20:55:42, ID: B8E0076-BS1 OPR 0.125, Description: OPR

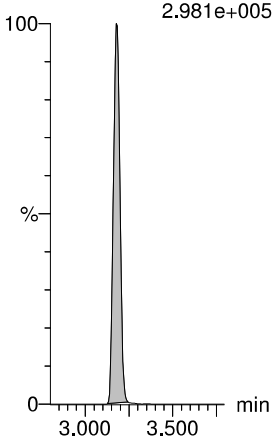
TCDA
F31:MRM of 3 channels,ES-
498.3 > 106.9
1.000e-003



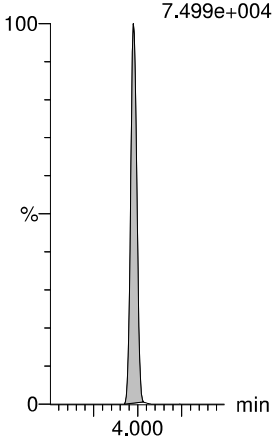
13C4-PFBA
F4:MRM of 1 channel,ES-
217. > 171.8
1.395e+005



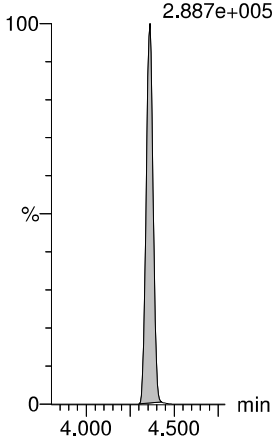
13C5-PFHxA
F11:MRM of 1 channel,ES-
318 > 272.9
2.981e+005



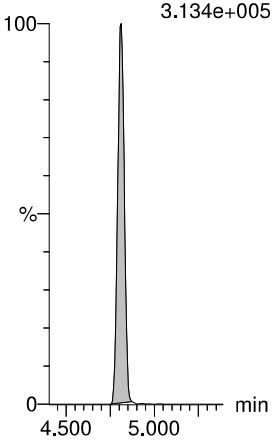
13C3-PFHxS
F19:MRM of 1 channel,ES-
401.9 > 79.9
7.499e+004



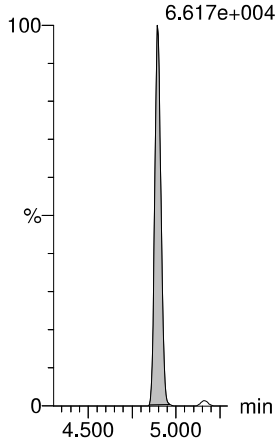
13C8-PFOA
F23:MRM of 1 channel,ES-
421.3 > 376
2.887e+005



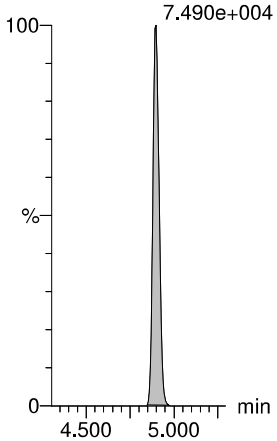
13C9-PFNA
F29:MRM of 1 channel,ES-
472.2 > 426.9
3.134e+005



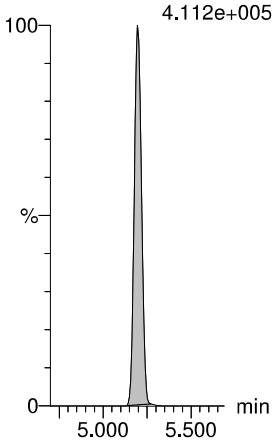
13C8-PFOS
F35:MRM of 1 channel,ES-
507.0 > 79.9
6.617e+004



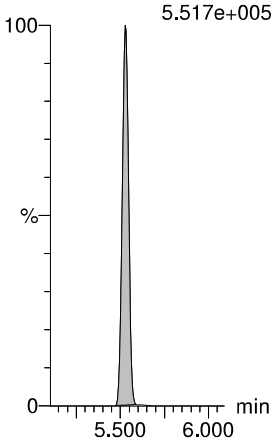
13C4-PFOS
F33:MRM of 1 channel,ES-
503 > 79.9
7.490e+004



13C6-PFDA
F40:MRM of 1 channel,ES-
519.1 > 473.7
4.112e+005



13C7-PFUdA
F49:MRM of 1 channel,ES-
570.1 > 524.8
5.517e+005



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Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-58.qld

Last Altered: Wednesday, May 30, 2018 12:13:59 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:33:46 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052418.mdb 26 May 2018 13:42:43
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-24-18.cdb 24 May 2018 18:06:26

Name: 180524M1_58, Date: 24-May-2018, Time: 23:53:30, ID: 1800860-01 BP-MH-SW4001-South-FRB-20180501 0.11465,
Description: BP-MH-SW4001-South-FRB-20180501

	#	Name	Trace	Area	IS Area	wt/vol	RRF M...	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	1	PFBA	213.0 > 168.8		8912.9	0.115		1.38						
2	2	PFPeA	263.1 > 218.9		12378.3	0.115		2.37						
3	3	PFBS	299.0 > 79.7		1604.7	0.115		2.67						
4	5	PFHxA	313.2 > 268.9		3964.9	0.115		3.18						
5	7	PFHpA	363.0 > 318.9		10810.9	0.115		3.82						
6	8	L-PFHxS	398.9 > 79.6		1294.0	0.115		3.98						
7	10	6:2 FTS	427.1 > 407		3166.1	0.115		4.34						
8	11	L-PFOA	413 > 368.7	317.2	19266.4	0.115		4.40	4.36	0.206			4.340	NO
9	13	PFHpS	449 > 80.0		19266.4	0.115		4.51						
10	14	PFNA	463.0 > 418.8		13934.8	0.115		4.84						
11	15	PFOSA	498.2 > 77.9		2128.6	0.115		4.90						
12	16	L-PFOS	499.1 > 79.9		3172.3	0.115		4.92						
13	18	PFDA	513 > 468.8		17362.3	0.115		5.22						

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Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-58.qld

Last Altered: Wednesday, May 30, 2018 12:13:59 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:34:02 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052418.mdb 26 May 2018 13:42:43
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-24-18.cdb 24 May 2018 18:06:26

Name: 180524M1_58, Date: 24-May-2018, Time: 23:53:30, ID: 1800860-01 BP-MH-SW4001-South-FRB-20180501 0.11465,
Description: BP-MH-SW4001-South-FRB-20180501

	#	Name	Trace	Area	IS Area	wt/vol	RRF M...	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	19	8:2 FTS	527 > 506.9		2683.9	0.115		5.19						
2	21	N-MeFOSAA	570.1 > 419		2672.7	0.115		5.37						
3	22	N-EtFOSAA	584.2 > 419		2672.7	0.115		5.53						
4	23	PFUdA	563.0 > 518.9		15000.0	0.115		5.55						
5	24	PFDS	598.8 > 80		15000.0	0.115		5.59						
6	25	PFDoA	612.9 > 569.0		15629.6	0.115		5.83						
7	27	PFTrDA	662.9 > 618.9		15629.6	0.115		6.08						
8	28	PFTeDA	712.9 > 668.8		15213.8	0.115		6.30						

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Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-58.qld

Last Altered: Wednesday, May 30, 2018 12:13:59 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:36:04 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052418.mdb 26 May 2018 13:42:43
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-24-18.cdb 24 May 2018 18:06:26

Name: 180524M1_58, Date: 24-May-2018, Time: 23:53:30, ID: 1800860-01 BP-MH-SW4001-South-FRB-20180501 0.11465,
Description: BP-MH-SW4001-South-FRB-20180501

	#	Name	Trace	Area	IS Area	wt/vol	RRF M...	Pred.RT	RT	Response	Conc.	%Rec	Ion Ratio	Ratio Out?
1	34	13C3-PFBA	216.1 > 171.8	8912.9	10719.3	0.115	0.891	1.44	1.38	10.393	101.751	93.3		
2	35	13C3-PFPeA	266. > 221.8	12378.3	14555.0	0.115	0.885	2.42	2.37	10.631	104.719	96.0		
3	36	13C3-PFBS	302. > 98.8	1604.7	14555.0	0.115	0.108	2.72	2.67	1.378	111.154	102.0		
4	37	13C2-PFHxA	315 > 269.8	3964.9	14555.0	0.115	0.743	3.22	3.18	3.405	39.977	91.7		
5	38	13C4-PFHpA	367.2 > 321.8	10810.9	14555.0	0.115	0.794	3.86	3.82	9.284	102.012	93.6		
6	39	18O2-PFHxS	403.0 > 102.6	1294.0	3455.6	0.115	0.373	4.01	3.98	4.681	109.440	100.4		
7	40	13C2-6:2 FTS	429.1 > 408.9	3166.1	17589.1	0.115	0.232	4.33	4.30	2.250	84.496	77.5		
8	41	13C2-PFOA	414.9 > 369.7	19266.4	17589.1	0.115	1.360	4.39	4.36	13.692	87.825	80.6		
9	42	13C5-PFNA	468.2 > 422.9	13934.8	17997.6	0.115	0.943	4.84	4.81	9.678	89.531	82.1		
10	43	13C8-PFOSA	506.1 > 77.7	2128.6	28979.8	0.115	0.150	4.90	4.87	0.918	53.322	48.9		
11	44	13C8-PFOS	507.0 > 79.9	3172.3	3441.3	0.115	1.042	4.92	4.89	11.523	96.497	88.5		
12	45	13C2-PFDA	515.1 > 469.9	17362.3	18168.9	0.115	1.055	5.22	5.20	11.945	98.763	90.6		
13	46	13C2-8:2 FTS	529.1 > 508.7	2683.9	14555.0	0.115	0.228	5.19	5.16	2.305	88.050	80.8		
14	47	d3-N-MeFOSAA	573.3 > 419	2672.7	28979.8	0.115	0.135	5.37	5.35	1.153	74.709	68.5		
15	48	d5-N-EtFOSAA	589.3 > 419	3426.4	28979.8	0.115	0.173	5.53	5.51	1.478	74.586	68.4		
16	49	13C2-PFUdA	565 > 519.8	15000.0	28979.8	0.115	0.924	5.55	5.53	6.470	61.092	56.0		
17	50	13C2-PFDoA	615.0 > 569.7	15629.6	18168.9	0.115	1.111	5.83	5.81	10.753	84.409	77.4		
18	52	13C2-PFTeDA	714.8 > 669.6	15213.8	28979.8	0.115	0.847	6.30	6.29	6.562	67.564	62.0		
19	54	13C2-PFHxDA	815 > 769.7	5956.0	28979.8	0.115	1.104	6.62	6.61	2.569	20.288	46.5		
20	57	13C4-PFBA	217. > 171.8	10719.3	10719.3	0.115	1.000	1.43	1.38	12.500	109.027	100.0		
21	58	13C5-PFHxA	318 > 272.9	14555.0	14555.0	0.115	1.000	3.22	3.18	12.500	109.027	100.0		
22	59	13C3-PFHxS	401.9 > 79.9	3455.6	3455.6	0.115	1.000	4.01	3.98	12.500	109.027	100.0		
23	60	13C8-PFOA	421.3 > 376	17589.1	17589.1	0.115	1.000	4.39	4.36	12.500	109.027	100.0		
24	61	13C9-PFNA	472.2 > 426.9	17997.6	17997.6	0.115	1.000	4.84	4.81	12.500	109.027	100.0		
25	62	13C4-PFOS	503 > 79.9	3441.3	3441.3	0.115	1.000	4.92	4.89	12.500	109.027	100.0		
26	63	13C6-PFDA	519.1 > 473.7	18168.9	18168.9	0.115	1.000	5.22	5.20	12.500	109.027	100.0		
27	64	13C7-PFUdA	570.1 > 524.8	28979.8	28979.8	0.115	1.000	5.55	5.53	12.500	109.027	100.0		
28	65	Total PFHxS	398.9 > 79.6	0.0	1294.0	0.115		4.05		0.000				
29	66	Total PFOA	413 > 368.7	317.2	19266.4	0.115		4.30		0.000				
30	67	Total PFOS	499.1 > 79.9	0.0	3172.3	0.115		4.90		0.000				
31	68	Total N-MeFOSAA	570.1 > 419	0.0	2672.7	0.115		5.55		0.000				
32	69	Total N-EtFOSAA	584.2 > 419	0.0	3426.4	0.115		5.70		0.000				

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Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-58.qld

Last Altered: Wednesday, May 30, 2018 12:13:59 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:36:04 Pacific Daylight Time

Method: Z:\Projects\PFAS.PRO\MethDB\PFAS_FULL_80C_052418.mdb 26 May 2018 13:42:43
Calibration: Z:\Projects\PFAS.PRO\CurveDB\C18_VAL-PFAS_Q4_05-24-18.cdb 24 May 2018 18:06:26

Name: 180524M1_58, Date: 24-May-2018, Time: 23:53:30, ID: 1800860-01 BP-MH-SW4001-South-FRB-20180501 0.11465,
Description: BP-MH-SW4001-South-FRB-20180501

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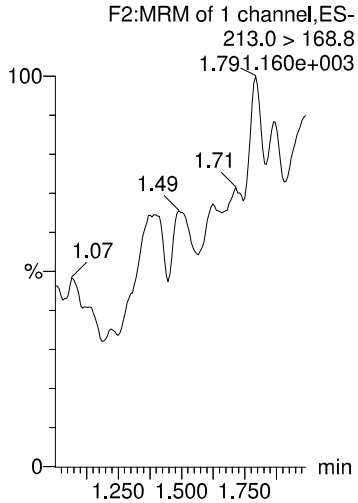

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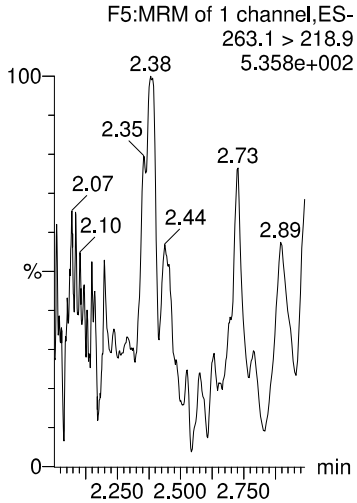

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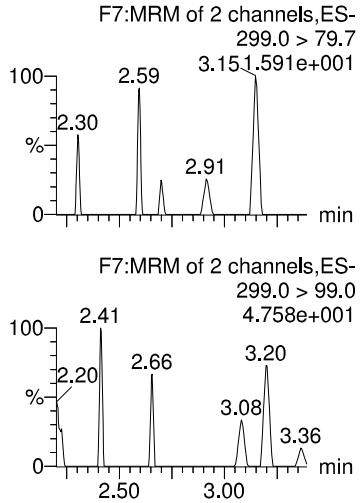

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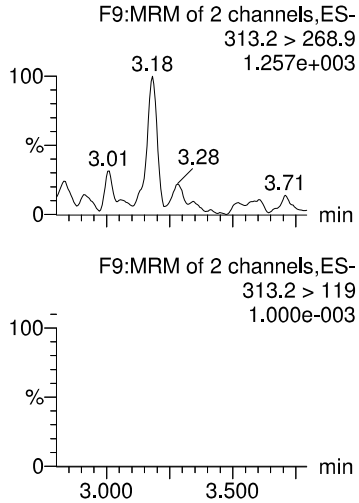

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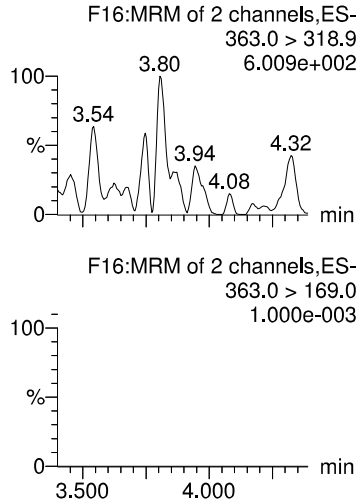

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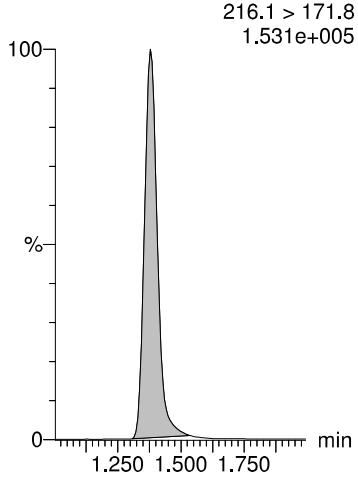

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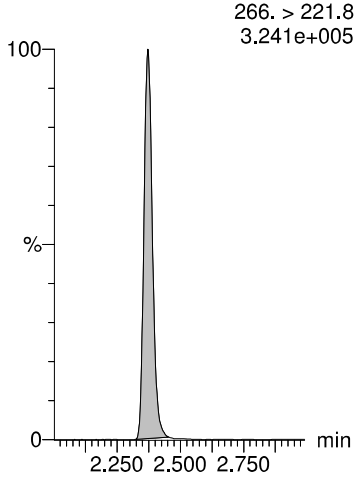

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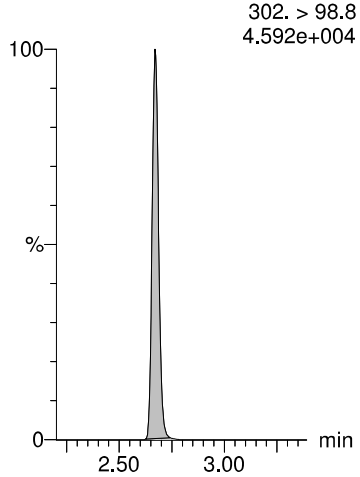

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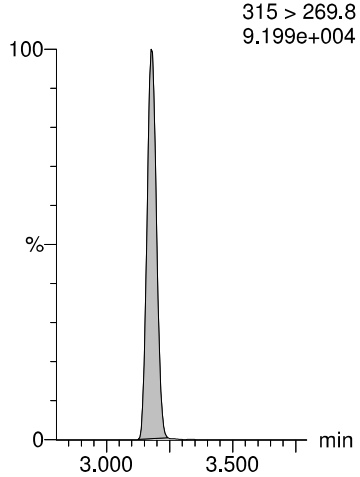

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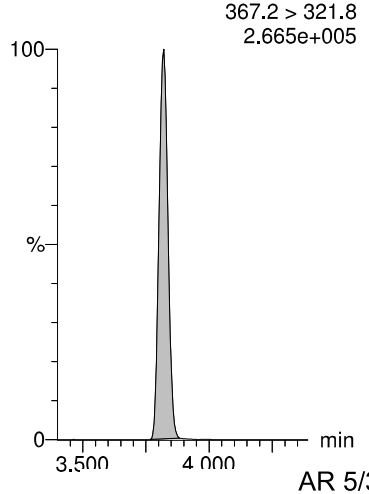

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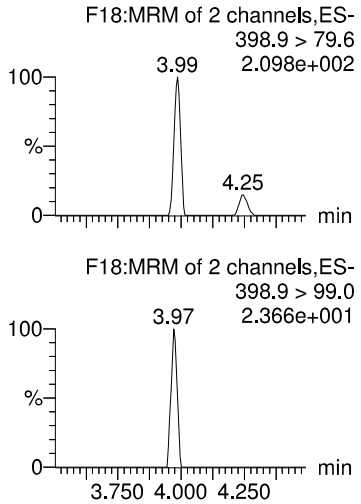
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-58.qld

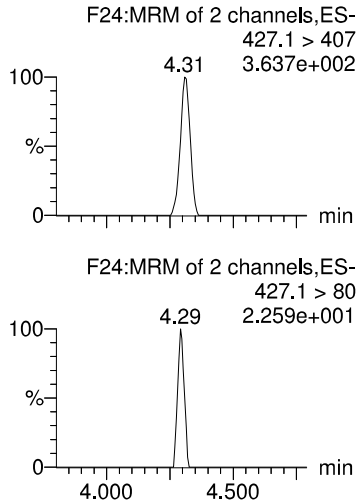
Last Altered: Wednesday, May 30, 2018 12:13:59 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:36:04 Pacific Daylight Time

Name: 180524M1_58, Date: 24-May-2018, Time: 23:53:30, ID: 1800860-01 BP-MH-SW4001-South-FRB-20180501 0.11465, Description: BP-MH-SW4001-South-FRB-20180501

Total PFHxS



6:2 FTS



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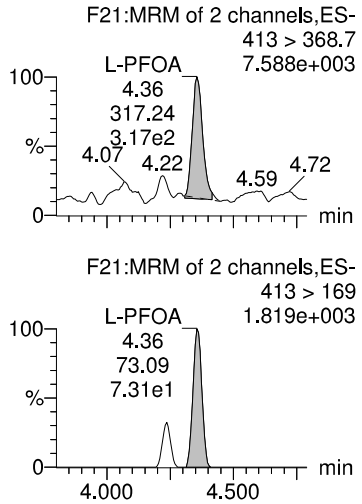

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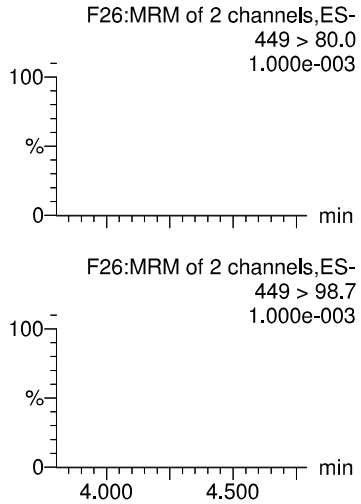

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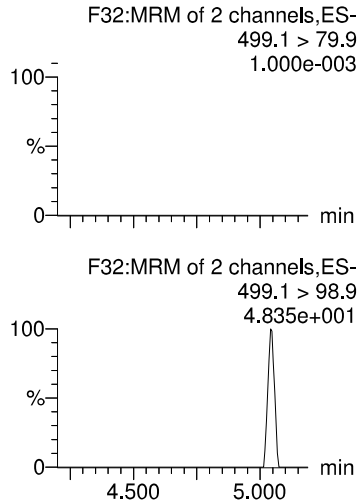
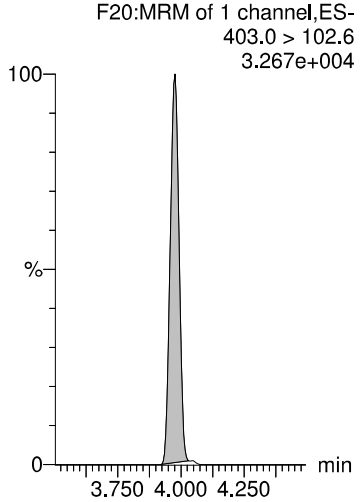


18O2-PFHxS



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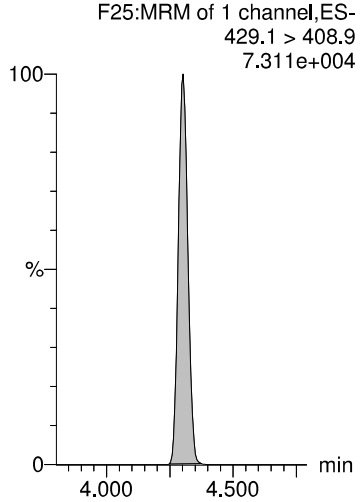
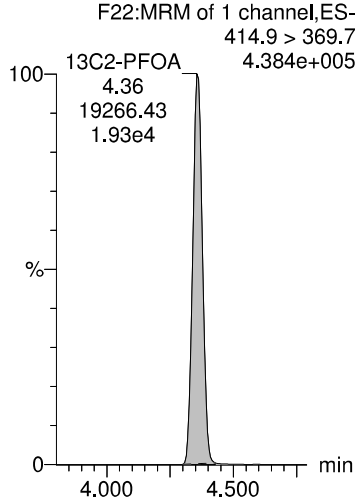


13C2-PFOA



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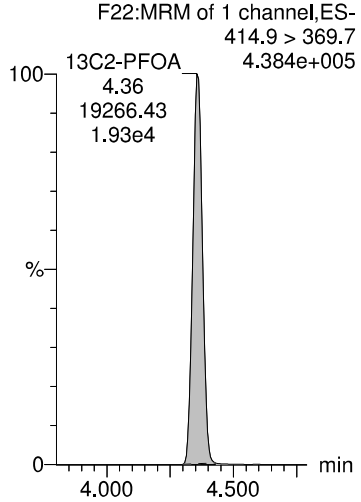

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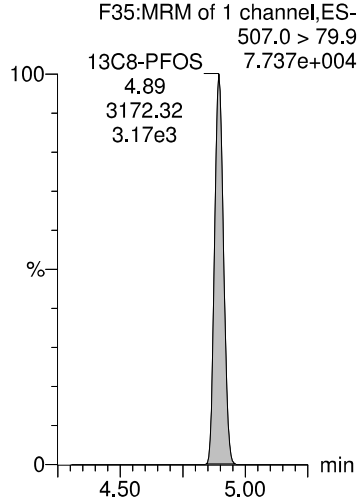

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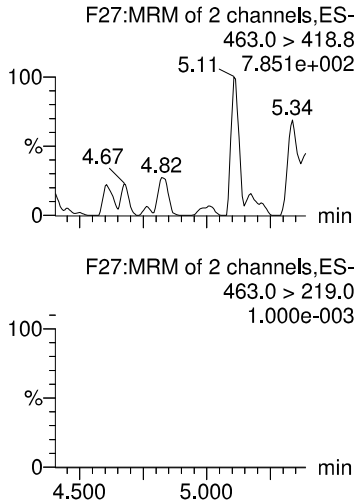
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-58.qld

Last Altered: Wednesday, May 30, 2018 12:13:59 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:36:04 Pacific Daylight Time

Name: 180524M1_58, Date: 24-May-2018, Time: 23:53:30, ID: 1800860-01 BP-MH-SW4001-South-FRB-20180501 0.11465, Description: BP-MH-SW4001-South-FRB-20180501

PFNA



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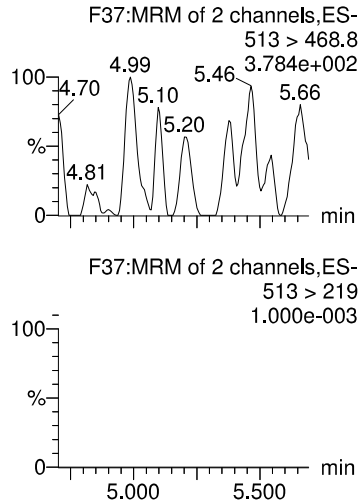

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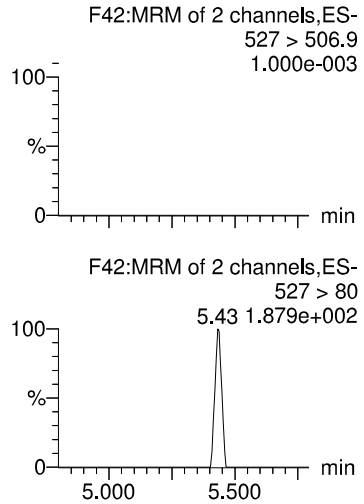

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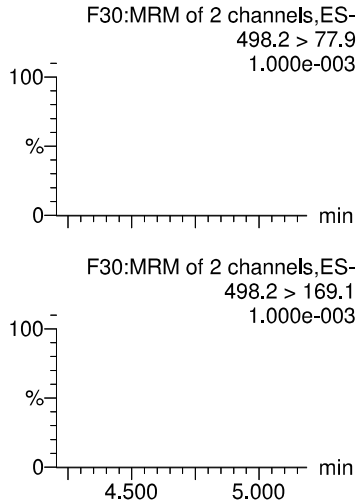
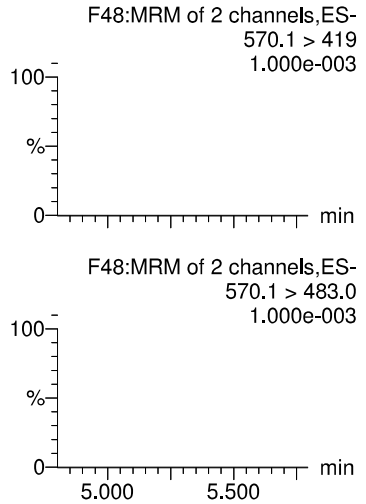


Total N-MeFOSAA



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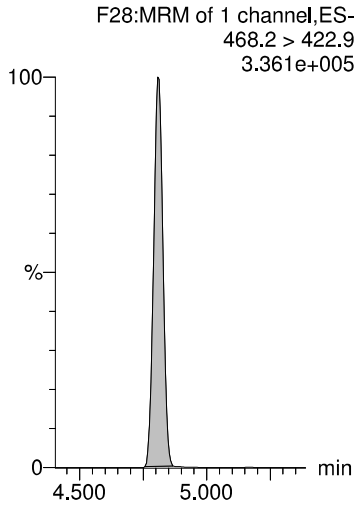

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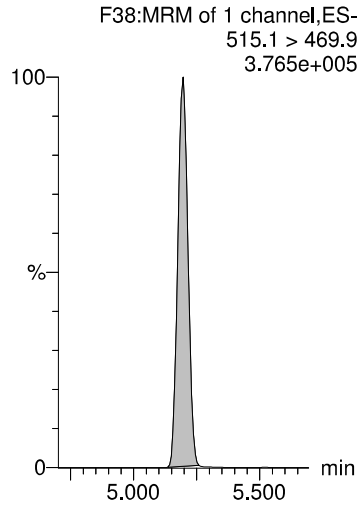
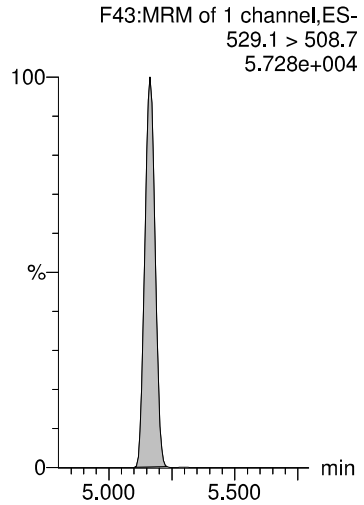


13C2-8:2 FTS



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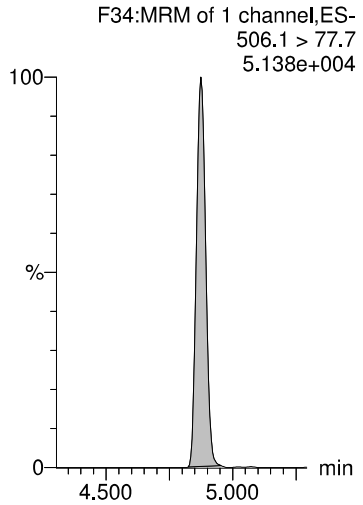

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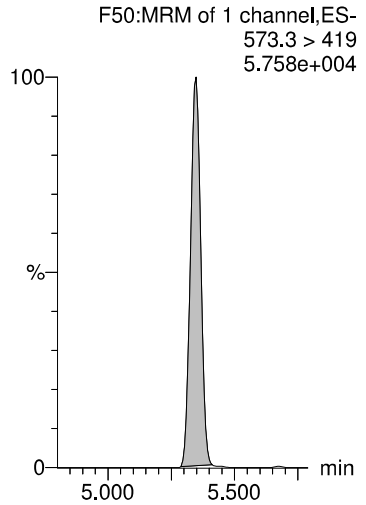


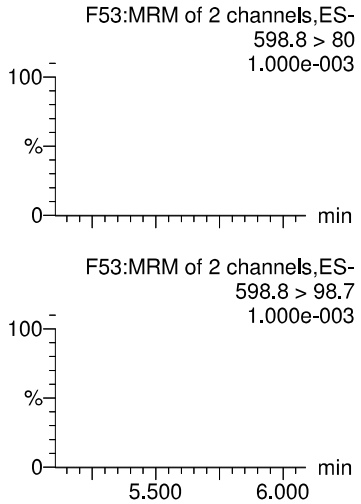
AR 5/31/18

Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-58.qld

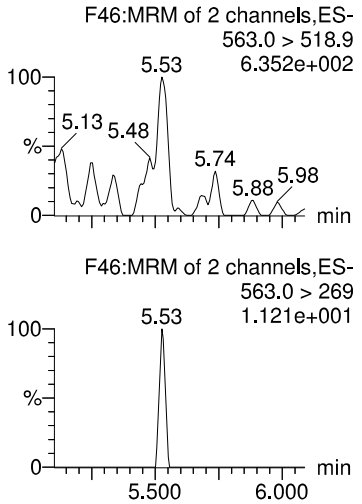
Last Altered: Wednesday, May 30, 2018 12:13:59 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:36:04 Pacific Daylight Time

Name: 180524M1_58, Date: 24-May-2018, Time: 23:53:30, ID: 1800860-01 BP-MH-SW4001-South-FRB-20180501 0.11465, Description: BP-MH-SW4001-South-FRB-20180501

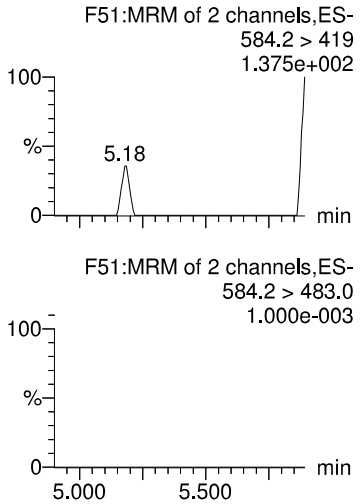
PFDS



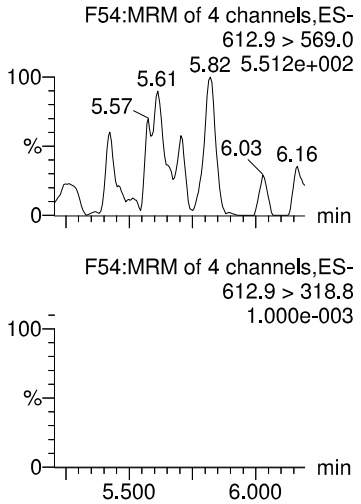
PFUdA



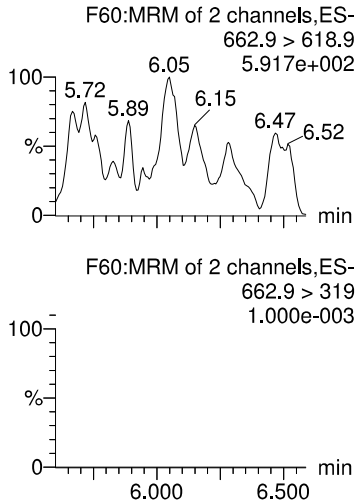
Total N-EtFOSAA



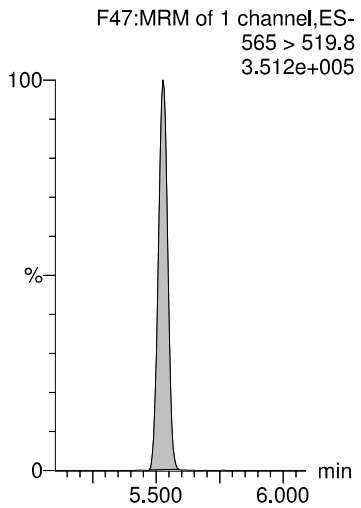
PFDoA



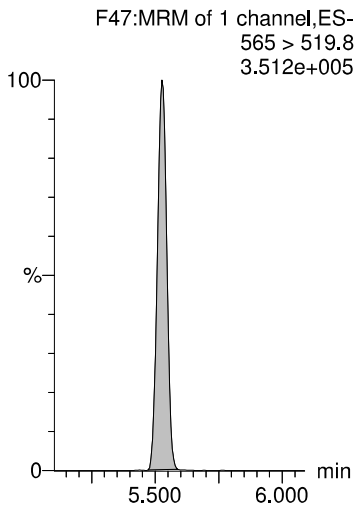
PFTrDA



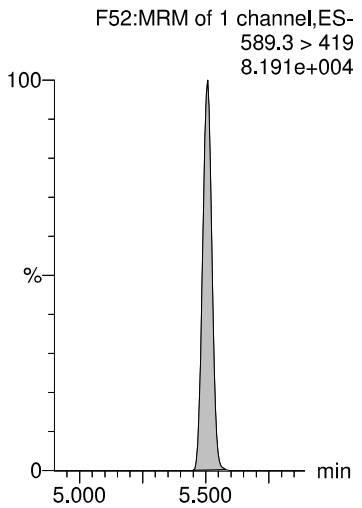
13C2-PFUdA



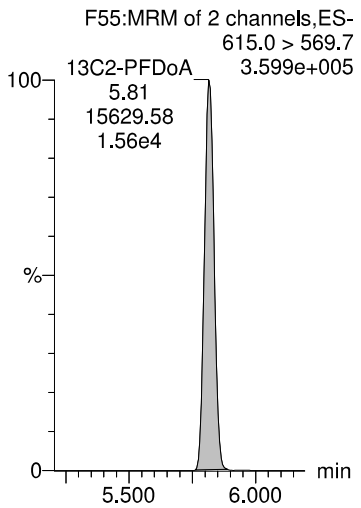
13C2-PFUdA



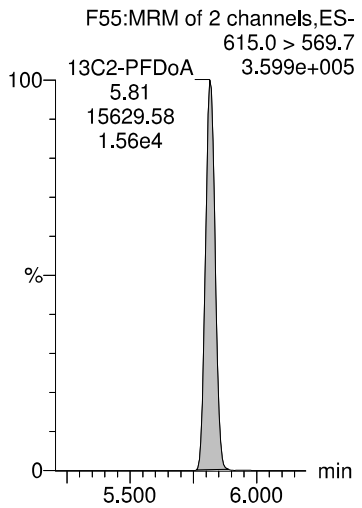
d5-N-EtFOSAA



13C2-PFDoA



13C2-PFDoA



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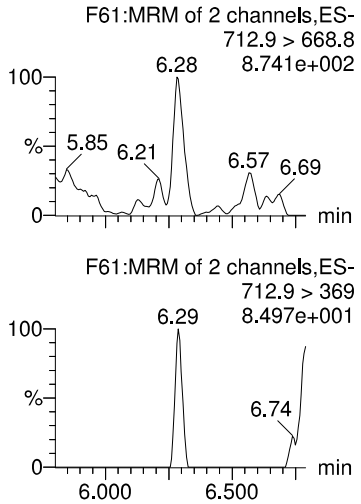
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-58.qld

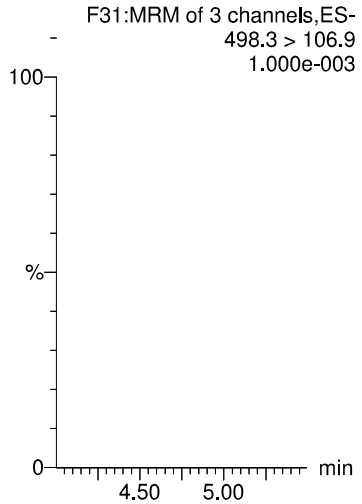
Last Altered: Wednesday, May 30, 2018 12:13:59 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:36:04 Pacific Daylight Time

Name: 180524M1_58, Date: 24-May-2018, Time: 23:53:30, ID: 1800860-01 BP-MH-SW4001-South-FRB-20180501 0.11465, Description: BP-MH-SW4001-South-FRB-20180501

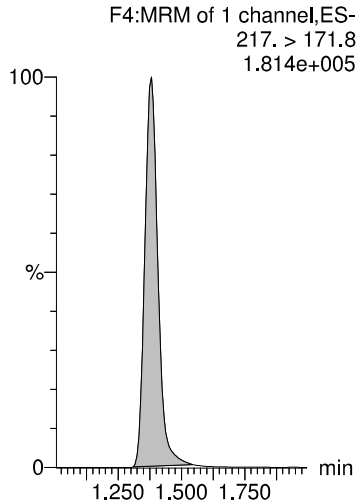
PFTeDA



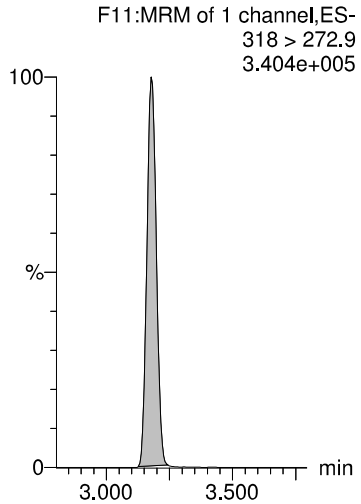
TCDA



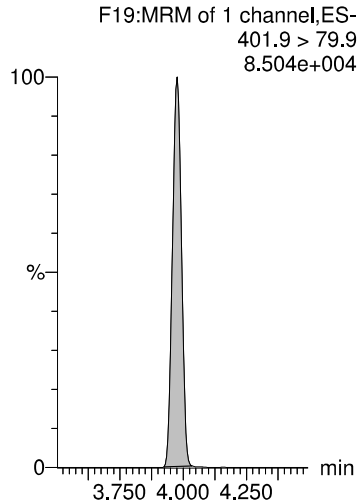
13C4-PFBA



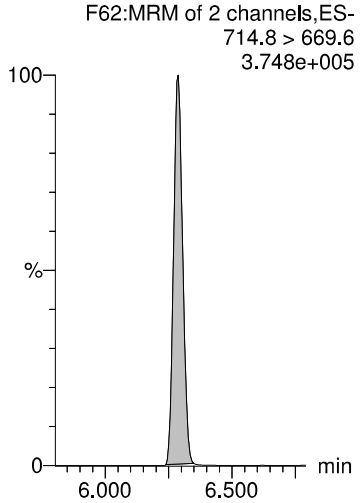
13C5-PFHxA



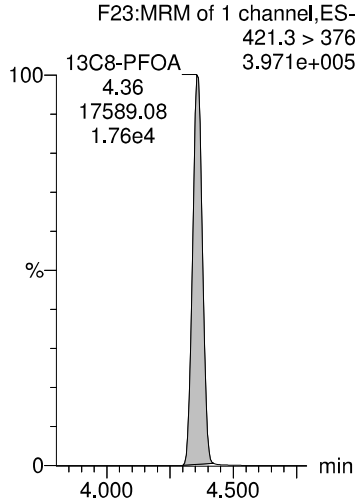
13C3-PFHxS



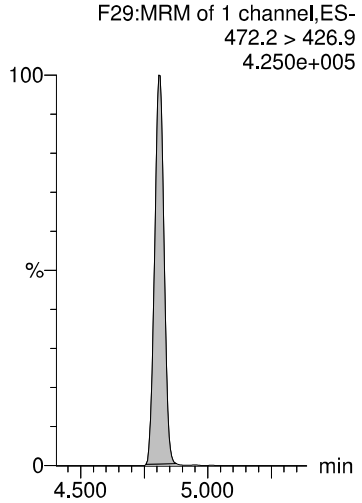
13C2-PFTeDA



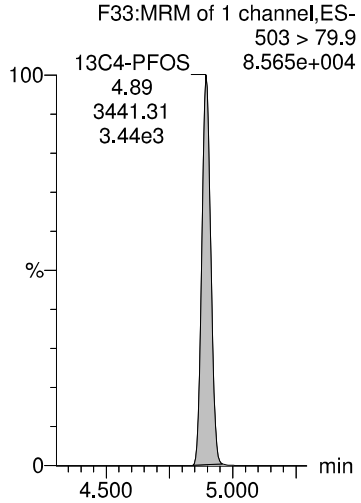
13C8-PFOA



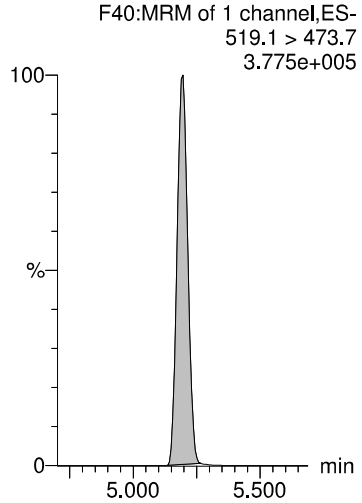
13C9-PFNA



13C4-PFOS



13C6-PFDA



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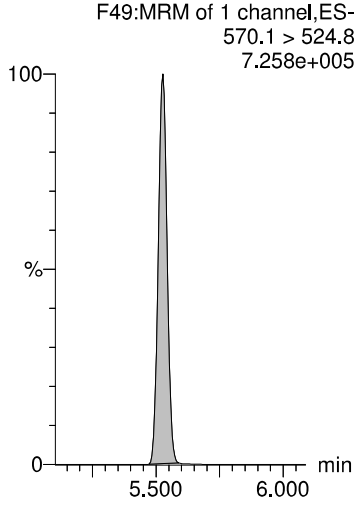
Dataset: Z:\Projects\PFAS.PRO\Results\180524M1\180524M1-58.qld

Last Altered: Wednesday, May 30, 2018 12:13:59 Pacific Daylight Time
Printed: Wednesday, May 30, 2018 12:36:04 Pacific Daylight Time

Name: 180524M1_58, Date: 24-May-2018, Time: 23:53:30, ID: 1800860-01 BP-MH-SW4001-South-FRB-20180501 0.11465, Description: BP-MH-SW4001-South-FRB-20180501

13C7-PFUdA



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INJECTION INTERNAL STANDARD (IIS) AREAS,

INSTRUMENT BLANKS (IB)

AND

CONTINUTING CALIBRATION VERIFICATIONS CCV)

Dataset: Untitled

Last Altered: Friday, May 25, 2018 12:30:47 Pacific Daylight Time
Printed: Friday, May 25, 2018 12:34:28 Pacific Daylight Time

Method: F:\Projects\PFAS.PRO\MethDB\PFAS_RS-5-19-18.mdb 20 May 2018 12:59:37
Calibration: 25 May 2018 12:30:47

Name: 180524M1_7, Date: 24-May-2018, Time: 14:59:56, ID: ST180524M1-6 PFC CS3 18E2106, Description: PFC CS3 18E2106

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-6 PFC CS3 18E2106	1.06e4	100.0	NO
2	2	13C5-PFHxA	ST180524M1-6 PFC CS3 18E2106	1.54e4	100.0	NO
3	3	13C3-PFHxS	ST180524M1-6 PFC CS3 18E2106	3.49e3	100.0	NO
4	4	13C8-PFOA	ST180524M1-6 PFC CS3 18E2106	1.68e4	100.0	NO
5	5	13C9-PFNA	ST180524M1-6 PFC CS3 18E2106	1.81e4	100.0	NO
6	6	13C4-PFOS	ST180524M1-6 PFC CS3 18E2106	3.26e3	100.0	NO
7	7	13C6-PFDA	ST180524M1-6 PFC CS3 18E2106	1.92e4	100.0	NO
8	8	13C7-PFUdA	ST180524M1-6 PFC CS3 18E2106	3.02e4	100.0	NO

Name: 180524M1_8, Date: 24-May-2018, Time: 15:10:21, ID: ST180524M1-7 PFC CS4 18E1408, Description: PFC CS4 18E1408

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-7 PFC CS4 18E1408	1.13e4	106.1	NO
2	2	13C5-PFHxA	ST180524M1-7 PFC CS4 18E1408	1.53e4	99.4	NO
3	3	13C3-PFHxS	ST180524M1-7 PFC CS4 18E1408	3.28e3	93.8	NO
4	4	13C8-PFOA	ST180524M1-7 PFC CS4 18E1408	1.64e4	97.3	NO
5	5	13C9-PFNA	ST180524M1-7 PFC CS4 18E1408	1.62e4	89.7	NO
6	6	13C4-PFOS	ST180524M1-7 PFC CS4 18E1408	3.41e3	104.4	NO
7	7	13C6-PFDA	ST180524M1-7 PFC CS4 18E1408	2.35e4	122.2	NO
8	8	13C7-PFUdA	ST180524M1-7 PFC CS4 18E1408	2.47e4	81.7	NO

Name: 180524M1_9, Date: 24-May-2018, Time: 15:20:51, ID: ST180524M1-8 PFC CS5 18E2107, Description: PFC CS5 18E2107

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-8 PFC CS5 18E2107	1.04e4	97.5	NO
2	2	13C5-PFHxA	ST180524M1-8 PFC CS5 18E2107	1.40e4	91.2	NO
3	3	13C3-PFHxS	ST180524M1-8 PFC CS5 18E2107	3.03e3	86.7	NO
4	4	13C8-PFOA	ST180524M1-8 PFC CS5 18E2107	1.56e4	92.4	NO
5	5	13C9-PFNA	ST180524M1-8 PFC CS5 18E2107	1.47e4	81.5	NO
6	6	13C4-PFOS	ST180524M1-8 PFC CS5 18E2107	3.18e3	97.4	NO
7	7	13C6-PFDA	ST180524M1-8 PFC CS5 18E2107	2.10e4	109.2	NO
8	8	13C7-PFUdA	ST180524M1-8 PFC CS5 18E2107	2.18e4	71.9	NO

Name: 180524M1_10, Date: 24-May-2018, Time: 15:31:22, ID: ST180524M1-9 PFC CS6 18E1410, Description: PFC CS6 18E1410

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-9 PFC CS6 18E1410	1.09e4	102.4	NO
2	2	13C5-PFHxA	ST180524M1-9 PFC CS6 18E1410	1.47e4	95.5	NO
3	3	13C3-PFHxS	ST180524M1-9 PFC CS6 18E1410	3.05e3	87.2	NO
4	4	13C8-PFOA	ST180524M1-9 PFC CS6 18E1410	1.49e4	88.3	NO
5	5	13C9-PFNA	ST180524M1-9 PFC CS6 18E1410	1.61e4	89.2	NO
6	6	13C4-PFOS	ST180524M1-9 PFC CS6 18E1410	3.16e3	96.8	NO
7	7	13C6-PFDA	ST180524M1-9 PFC CS6 18E1410	2.07e4	107.8	NO
8	8	13C7-PFUdA	ST180524M1-9 PFC CS6 18E1410	2.44e4	80.5	NO

Dataset: Untitled

Last Altered: Friday, May 25, 2018 12:30:47 Pacific Daylight Time
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Name: 180524M1_11, Date: 24-May-2018, Time: 15:41:47, ID: ST180524M1-10 PFC CS7 18E1411, Description: PFC CS7 18E1411

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-10 PFC CS7 18E1411	1.04e4	97.7	NO
2	2	13C5-PFHxA	ST180524M1-10 PFC CS7 18E1411	1.25e4	81.1	NO
3	3	13C3-PFHxS	ST180524M1-10 PFC CS7 18E1411	2.74e3	78.3	NO
4	4	13C8-PFOA	ST180524M1-10 PFC CS7 18E1411	1.30e4	77.4	NO
5	5	13C9-PFNA	ST180524M1-10 PFC CS7 18E1411	1.34e4	74.1	NO
6	6	13C4-PFOS	ST180524M1-10 PFC CS7 18E1411	2.68e3	82.1	NO
7	7	13C6-PFDA	ST180524M1-10 PFC CS7 18E1411	1.50e4	78.0	NO
8	8	13C7-PFUdA	ST180524M1-10 PFC CS7 18E1411	2.21e4	73.1	NO

Name: 180524M1_12, Date: 24-May-2018, Time: 15:52:17, 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: 180524M1_13, Date: 24-May-2018, Time: 16:02:42, ID: ICV180524M1-1 PFC 537 ICV 18E1401, Description: PFC ICV 18E1401

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ICV180524M1-1 PFC 537 ICV 18E1401	1.10e4	103.2	NO
2	2	13C5-PFHxA	ICV180524M1-1 PFC 537 ICV 18E1401	1.60e4	103.9	NO
3	3	13C3-PFHxS	ICV180524M1-1 PFC 537 ICV 18E1401	3.23e3	92.3	NO
4	4	13C8-PFOA	ICV180524M1-1 PFC 537 ICV 18E1401	1.46e4	86.6	NO
5	5	13C9-PFNA	ICV180524M1-1 PFC 537 ICV 18E1401	1.79e4	99.1	NO
6	6	13C4-PFOS	ICV180524M1-1 PFC 537 ICV 18E1401	3.31e3	101.7	NO
7	7	13C6-PFDA	ICV180524M1-1 PFC 537 ICV 18E1401	2.17e4	113.2	NO
8	8	13C7-PFUdA	ICV180524M1-1 PFC 537 ICV 18E1401	2.81e4	93.0	NO

Name: 180524M1_14, Date: 24-May-2018, Time: 16:13:12, ID: IPA, Description: IPA

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

Dataset: Untitled

Last Altered: Friday, May 25, 2018 12:30:47 Pacific Daylight Time
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Name: 180524M1_15, Date: 24-May-2018, Time: 16:23:39, ID: B8E0074-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0074-BLK1 Method Blank 0.125	7.77e3	73.1	NO
2	2	13C5-PFHxA	B8E0074-BLK1 Method Blank 0.125	1.06e4	69.2	NO
3	3	13C3-PFHxS	B8E0074-BLK1 Method Blank 0.125	2.79e3	79.9	NO
4	4	13C8-PFOA	B8E0074-BLK1 Method Blank 0.125	1.17e4	69.4	NO
5	5	13C9-PFNA	B8E0074-BLK1 Method Blank 0.125	1.14e4	62.9	NO
6	6	13C4-PFOS	B8E0074-BLK1 Method Blank 0.125	2.79e3	85.7	NO
7	7	13C6-PFDA	B8E0074-BLK1 Method Blank 0.125	1.55e4	80.5	NO
8	8	13C7-PFUdA	B8E0074-BLK1 Method Blank 0.125	2.01e4	66.6	NO

Name: 180524M1_16, Date: 24-May-2018, Time: 16:34:07, ID: B8E0074-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0074-BS1 OPR 0.125	8.28e3	77.9	NO
2	2	13C5-PFHxA	B8E0074-BS1 OPR 0.125	1.13e4	73.6	NO
3	3	13C3-PFHxS	B8E0074-BS1 OPR 0.125	2.60e3	74.5	NO
4	4	13C8-PFOA	B8E0074-BS1 OPR 0.125	1.05e4	62.3	NO
5	5	13C9-PFNA	B8E0074-BS1 OPR 0.125	1.20e4	66.5	NO
6	6	13C4-PFOS	B8E0074-BS1 OPR 0.125	2.71e3	83.2	NO
7	7	13C6-PFDA	B8E0074-BS1 OPR 0.125	1.33e4	69.4	NO
8	8	13C7-PFUdA	B8E0074-BS1 OPR 0.125	1.78e4	59.0	NO

Name: 180524M1_17, Date: 24-May-2018, Time: 16:44:31, ID: B8E0074-MS1 Matrix Spike 0.12279, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0074-MS1 Matrix Spike 0.12279	4.66e3	43.8	YES
2	2	13C5-PFHxA	B8E0074-MS1 Matrix Spike 0.12279	6.01e3	39.1	YES
3	3	13C3-PFHxS	B8E0074-MS1 Matrix Spike 0.12279	2.52e3	72.1	NO
4	4	13C8-PFOA	B8E0074-MS1 Matrix Spike 0.12279	7.92e3	47.1	YES
5	5	13C9-PFNA	B8E0074-MS1 Matrix Spike 0.12279	1.02e4	56.4	NO
6	6	13C4-PFOS	B8E0074-MS1 Matrix Spike 0.12279	2.64e3	80.9	NO
7	7	13C6-PFDA	B8E0074-MS1 Matrix Spike 0.12279	1.03e4	53.8	NO
8	8	13C7-PFUdA	B8E0074-MS1 Matrix Spike 0.12279	1.44e4	47.7	YES

Name: 180524M1_18, Date: 24-May-2018, Time: 16:55:01, ID: B8E0074-MSD1 Matrix Spike Dup 0.12405, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0074-MSD1 Matrix Spike Dup 0.124...	5.24e3	49.3	YES
2	2	13C5-PFHxA	B8E0074-MSD1 Matrix Spike Dup 0.124...	6.30e3	41.0	YES
3	3	13C3-PFHxS	B8E0074-MSD1 Matrix Spike Dup 0.124...	2.45e3	70.1	NO
4	4	13C8-PFOA	B8E0074-MSD1 Matrix Spike Dup 0.124...	8.09e3	48.1	YES
5	5	13C9-PFNA	B8E0074-MSD1 Matrix Spike Dup 0.124...	9.84e3	54.4	NO
6	6	13C4-PFOS	B8E0074-MSD1 Matrix Spike Dup 0.124...	2.70e3	82.8	NO
7	7	13C6-PFDA	B8E0074-MSD1 Matrix Spike Dup 0.124...	1.18e4	61.5	NO
8	8	13C7-PFUdA	B8E0074-MSD1 Matrix Spike Dup 0.124...	1.28e4	42.2	YES

Dataset: Untitled

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Name: 180524M1_19, Date: 24-May-2018, Time: 17:05:26, ID: B8E0074-MSD2 Matrix Spike Dup 0.12116, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0074-MSD2 Matrix Spike Dup 0.121...	3.74e3	35.2	YES
2	2	13C5-PFHxA	B8E0074-MSD2 Matrix Spike Dup 0.121...	4.96e3	32.3	YES
3	3	13C3-PFHxS	B8E0074-MSD2 Matrix Spike Dup 0.121...	2.54e3	72.8	NO
4	4	13C8-PFOA	B8E0074-MSD2 Matrix Spike Dup 0.121...	6.12e3	36.4	YES
5	5	13C9-PFNA	B8E0074-MSD2 Matrix Spike Dup 0.121...	8.03e3	44.4	YES
6	6	13C4-PFOS	B8E0074-MSD2 Matrix Spike Dup 0.121...	2.41e3	73.8	NO
7	7	13C6-PFDA	B8E0074-MSD2 Matrix Spike Dup 0.121...	1.09e4	56.5	NO
8	8	13C7-PFUdA	B8E0074-MSD2 Matrix Spike Dup 0.121...	1.33e4	44.0	YES

Name: 180524M1_20, Date: 24-May-2018, Time: 17:15:56, ID: B8E0074-MS2 Matrix Spike 0.1209, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0074-MS2 Matrix Spike 0.1209	4.69e3	44.1	YES
2	2	13C5-PFHxA	B8E0074-MS2 Matrix Spike 0.1209	6.18e3	40.2	YES
3	3	13C3-PFHxS	B8E0074-MS2 Matrix Spike 0.1209	2.73e3	78.0	NO
4	4	13C8-PFOA	B8E0074-MS2 Matrix Spike 0.1209	6.89e3	40.9	YES
5	5	13C9-PFNA	B8E0074-MS2 Matrix Spike 0.1209	9.54e3	52.7	NO
6	6	13C4-PFOS	B8E0074-MS2 Matrix Spike 0.1209	2.83e3	86.8	NO
7	7	13C6-PFDA	B8E0074-MS2 Matrix Spike 0.1209	1.17e4	61.1	NO
8	8	13C7-PFUdA	B8E0074-MS2 Matrix Spike 0.1209	1.32e4	43.7	YES

Name: 180524M1_21, Date: 24-May-2018, Time: 17:26:20, ID: 1800827-01 BPS1-TT-MW309D-FRB-20180429 0.12111, Description: BPS1-TT-MW309D-FRB-20180429

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800827-01 BPS1-TT-MW309D-FRB-2...	6.97e3	65.6	NO
2	2	13C5-PFHxA	1800827-01 BPS1-TT-MW309D-FRB-2...	9.24e3	60.1	NO
3	3	13C3-PFHxS	1800827-01 BPS1-TT-MW309D-FRB-2...	2.60e3	74.5	NO
4	4	13C8-PFOA	1800827-01 BPS1-TT-MW309D-FRB-2...	1.09e4	64.8	NO
5	5	13C9-PFNA	1800827-01 BPS1-TT-MW309D-FRB-2...	1.20e4	66.4	NO
6	6	13C4-PFOS	1800827-01 BPS1-TT-MW309D-FRB-2...	2.81e3	86.0	NO
7	7	13C6-PFDA	1800827-01 BPS1-TT-MW309D-FRB-2...	1.56e4	81.2	NO
8	8	13C7-PFUdA	1800827-01 BPS1-TT-MW309D-FRB-2...	2.05e4	67.9	NO

Name: 180524M1_22, Date: 24-May-2018, Time: 17:36:51, ID: 1800827-02 BPS1-TT-MW314I-FRB-20180430 0.11448, Description: BPS1-TT-MW314I-FRB-20180430

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800827-02 BPS1-TT-MW314I-FRB-20...	5.74e3	54.0	NO
2	2	13C5-PFHxA	1800827-02 BPS1-TT-MW314I-FRB-20...	8.58e3	55.8	NO
3	3	13C3-PFHxS	1800827-02 BPS1-TT-MW314I-FRB-20...	2.71e3	77.7	NO
4	4	13C8-PFOA	1800827-02 BPS1-TT-MW314I-FRB-20...	9.90e3	58.8	NO
5	5	13C9-PFNA	1800827-02 BPS1-TT-MW314I-FRB-20...	1.23e4	68.2	NO
6	6	13C4-PFOS	1800827-02 BPS1-TT-MW314I-FRB-20...	2.65e3	81.2	NO
7	7	13C6-PFDA	1800827-02 BPS1-TT-MW314I-FRB-20...	1.62e4	84.2	NO
8	8	13C7-PFUdA	1800827-02 BPS1-TT-MW314I-FRB-20...	1.73e4	57.3	NO

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Name: 180524M1_23, Date: 24-May-2018, Time: 17:47:21, ID: 1800834-01 REEPDW417 0.10147, Description: REEPDW417

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-01 REEPDW417 0.10147	3.99e3	37.6	YES
2	2	13C5-PFHxA	1800834-01 REEPDW417 0.10147	5.06e3	32.9	YES
3	3	13C3-PFHxS	1800834-01 REEPDW417 0.10147	2.54e3	72.7	NO
4	4	13C8-PFOA	1800834-01 REEPDW417 0.10147	6.58e3	39.1	YES
5	5	13C9-PFNA	1800834-01 REEPDW417 0.10147	8.92e3	49.3	YES
6	6	13C4-PFOS	1800834-01 REEPDW417 0.10147	2.23e3	68.3	NO
7	7	13C6-PFDA	1800834-01 REEPDW417 0.10147	1.05e4	54.7	NO
8	8	13C7-PFUdA	1800834-01 REEPDW417 0.10147	1.23e4	40.8	YES

Name: 180524M1_24, Date: 24-May-2018, Time: 17:57:46, ID: 1800834-02 REEPDW419 0.12098, Description: REEPDW419

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-02 REEPDW419 0.12098	4.26e3	40.0	YES
2	2	13C5-PFHxA	1800834-02 REEPDW419 0.12098	6.64e3	43.2	YES
3	3	13C3-PFHxS	1800834-02 REEPDW419 0.12098	2.83e3	81.1	NO
4	4	13C8-PFOA	1800834-02 REEPDW419 0.12098	8.36e3	49.7	YES
5	5	13C9-PFNA	1800834-02 REEPDW419 0.12098	9.30e3	51.4	NO
6	6	13C4-PFOS	1800834-02 REEPDW419 0.12098	2.71e3	83.1	NO
7	7	13C6-PFDA	1800834-02 REEPDW419 0.12098	1.10e4	57.4	NO
8	8	13C7-PFUdA	1800834-02 REEPDW419 0.12098	1.38e4	45.5	YES

Name: 180524M1_25, Date: 24-May-2018, Time: 18:08:16, ID: 1800834-03 REEPDW420 0.12011, Description: REEPDW420

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-03 REEPDW420 0.12011	5.19e3	48.8	YES
2	2	13C5-PFHxA	1800834-03 REEPDW420 0.12011	6.31e3	41.0	YES
3	3	13C3-PFHxS	1800834-03 REEPDW420 0.12011	2.72e3	77.9	NO
4	4	13C8-PFOA	1800834-03 REEPDW420 0.12011	8.57e3	50.9	NO
5	5	13C9-PFNA	1800834-03 REEPDW420 0.12011	9.13e3	50.5	NO
6	6	13C4-PFOS	1800834-03 REEPDW420 0.12011	2.57e3	78.8	NO
7	7	13C6-PFDA	1800834-03 REEPDW420 0.12011	1.13e4	59.1	NO
8	8	13C7-PFUdA	1800834-03 REEPDW420 0.12011	1.49e4	49.1	YES

Name: 180524M1_26, Date: 24-May-2018, Time: 18:18:40, ID: 1800834-04 REEPDW541 0.12002, Description: REEPDW541

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-04 REEPDW541 0.12002	4.23e3	39.8	YES
2	2	13C5-PFHxA	1800834-04 REEPDW541 0.12002	4.99e3	32.4	YES
3	3	13C3-PFHxS	1800834-04 REEPDW541 0.12002	2.53e3	72.3	NO
4	4	13C8-PFOA	1800834-04 REEPDW541 0.12002	6.09e3	36.2	YES
5	5	13C9-PFNA	1800834-04 REEPDW541 0.12002	7.78e3	43.0	YES
6	6	13C4-PFOS	1800834-04 REEPDW541 0.12002	2.33e3	71.5	NO
7	7	13C6-PFDA	1800834-04 REEPDW541 0.12002	1.00e4	52.2	NO
8	8	13C7-PFUdA	1800834-04 REEPDW541 0.12002	1.05e4	34.8	YES

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Name: 180524M1_27, Date: 24-May-2018, Time: 18:29:10, ID: 1800834-05 REEPDW421 0.12138, Description: REEPDW421

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-05 REEPDW421 0.12138	4.49e3	42.3	YES
2	2	13C5-PFHxA	1800834-05 REEPDW421 0.12138	5.57e3	36.2	YES
3	3	13C3-PFHxS	1800834-05 REEPDW421 0.12138	2.63e3	75.3	NO
4	4	13C8-PFOA	1800834-05 REEPDW421 0.12138	6.75e3	40.1	YES
5	5	13C9-PFNA	1800834-05 REEPDW421 0.12138	7.44e3	41.1	YES
6	6	13C4-PFOS	1800834-05 REEPDW421 0.12138	2.79e3	85.5	NO
7	7	13C6-PFDA	1800834-05 REEPDW421 0.12138	8.25e3	43.0	YES
8	8	13C7-PFUdA	1800834-05 REEPDW421 0.12138	1.27e4	41.9	YES

Name: 180524M1_28, Date: 24-May-2018, Time: 18:39:35, ID: 1800834-06 REEPDW418 0.11776, Description: REEPDW418

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-06 REEPDW418 0.11776	2.99e3	28.1	YES
2	2	13C5-PFHxA	1800834-06 REEPDW418 0.11776	3.86e3	25.1	YES
3	3	13C3-PFHxS	1800834-06 REEPDW418 0.11776	2.52e3	72.2	NO
4	4	13C8-PFOA	1800834-06 REEPDW418 0.11776	5.53e3	32.8	YES
5	5	13C9-PFNA	1800834-06 REEPDW418 0.11776	7.28e3	40.2	YES
6	6	13C4-PFOS	1800834-06 REEPDW418 0.11776	2.45e3	75.2	NO
7	7	13C6-PFDA	1800834-06 REEPDW418 0.11776	9.99e3	52.0	NO
8	8	13C7-PFUdA	1800834-06 REEPDW418 0.11776	1.17e4	38.5	YES

Name: 180524M1_29, Date: 24-May-2018, Time: 18:50:05, ID: 1800834-07 REEPDW413 0.12059, Description: REEPDW413

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-07 REEPDW413 0.12059	5.70e3	53.6	NO
2	2	13C5-PFHxA	1800834-07 REEPDW413 0.12059	6.48e3	42.1	YES
3	3	13C3-PFHxS	1800834-07 REEPDW413 0.12059	2.60e3	74.4	NO
4	4	13C8-PFOA	1800834-07 REEPDW413 0.12059	7.40e3	44.0	YES
5	5	13C9-PFNA	1800834-07 REEPDW413 0.12059	8.06e3	44.6	YES
6	6	13C4-PFOS	1800834-07 REEPDW413 0.12059	2.66e3	81.7	NO
7	7	13C6-PFDA	1800834-07 REEPDW413 0.12059	1.03e4	53.8	NO
8	8	13C7-PFUdA	1800834-07 REEPDW413 0.12059	1.38e4	45.5	YES

Name: 180524M1_30, Date: 24-May-2018, Time: 19:00:30, ID: 1800834-08 REEPDW400 0.12318, Description: REEPDW400

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-08 REEPDW400 0.12318	4.34e3	40.8	YES
2	2	13C5-PFHxA	1800834-08 REEPDW400 0.12318	5.55e3	36.1	YES
3	3	13C3-PFHxS	1800834-08 REEPDW400 0.12318	2.47e3	70.6	NO
4	4	13C8-PFOA	1800834-08 REEPDW400 0.12318	6.90e3	41.0	YES
5	5	13C9-PFNA	1800834-08 REEPDW400 0.12318	8.57e3	47.4	YES
6	6	13C4-PFOS	1800834-08 REEPDW400 0.12318	2.50e3	76.5	NO
7	7	13C6-PFDA	1800834-08 REEPDW400 0.12318	1.08e4	56.2	NO
8	8	13C7-PFUdA	1800834-08 REEPDW400 0.12318	1.43e4	47.4	YES

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Name: 180524M1_31, Date: 24-May-2018, Time: 19:11:01, ID: 1800834-09 REEPDW539 0.1252, Description: REEPDW539

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-09 REEPDW539 0.1252	4.21e3	39.6	YES
2	2	13C5-PFHxA	1800834-09 REEPDW539 0.1252	5.10e3	33.2	YES
3	3	13C3-PFHxS	1800834-09 REEPDW539 0.1252	2.45e3	70.1	NO
4	4	13C8-PFOA	1800834-09 REEPDW539 0.1252	6.88e3	40.9	YES
5	5	13C9-PFNA	1800834-09 REEPDW539 0.1252	7.89e3	43.6	YES
6	6	13C4-PFOS	1800834-09 REEPDW539 0.1252	2.45e3	75.0	NO
7	7	13C6-PFDA	1800834-09 REEPDW539 0.1252	9.89e3	51.5	NO
8	8	13C7-PFUdA	1800834-09 REEPDW539 0.1252	1.30e4	42.9	YES

Name: 180524M1_32, Date: 24-May-2018, Time: 19:21:26, ID: 1800834-10 REEPDW403 0.11975, Description: REEPDW403

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-10 REEPDW403 0.11975	4.06e3	38.2	YES
2	2	13C5-PFHxA	1800834-10 REEPDW403 0.11975	4.96e3	32.3	YES
3	3	13C3-PFHxS	1800834-10 REEPDW403 0.11975	2.50e3	71.7	NO
4	4	13C8-PFOA	1800834-10 REEPDW403 0.11975	6.20e3	36.8	YES
5	5	13C9-PFNA	1800834-10 REEPDW403 0.11975	7.65e3	42.3	YES
6	6	13C4-PFOS	1800834-10 REEPDW403 0.11975	2.45e3	75.3	NO
7	7	13C6-PFDA	1800834-10 REEPDW403 0.11975	1.03e4	53.8	NO
8	8	13C7-PFUdA	1800834-10 REEPDW403 0.11975	1.14e4	37.7	YES

Name: 180524M1_33, Date: 24-May-2018, Time: 19:31:56, ID: ST180524M1-11 PFC CS3 18E2106, Description: PFC CS3 18E2106

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-11 PFC CS3 18E2106	1.12e4	105.4	NO
2	2	13C5-PFHxA	ST180524M1-11 PFC CS3 18E2106	1.51e4	97.9	NO
3	3	13C3-PFHxS	ST180524M1-11 PFC CS3 18E2106	3.29e3	94.2	NO
4	4	13C8-PFOA	ST180524M1-11 PFC CS3 18E2106	1.66e4	98.4	NO
5	5	13C9-PFNA	ST180524M1-11 PFC CS3 18E2106	1.84e4	101.9	NO
6	6	13C4-PFOS	ST180524M1-11 PFC CS3 18E2106	3.79e3	116.2	NO
7	7	13C6-PFDA	ST180524M1-11 PFC CS3 18E2106	2.17e4	113.0	NO
8	8	13C7-PFUdA	ST180524M1-11 PFC CS3 18E2106	2.25e4	74.4	NO

Name: 180524M1_34, Date: 24-May-2018, Time: 19:42:21, ID: IPA, Description: IPA

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

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Name: 180524M1_35, Date: 24-May-2018, Time: 19:52:51, ID: 1800834-11 REEPDW404 0.12495, Description: REEPDW404

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-11 REEPDW404 0.12495	5.26e3	49.5	YES
2	2	13C5-PFHxA	1800834-11 REEPDW404 0.12495	6.36e3	41.4	YES
3	3	13C3-PFHxS	1800834-11 REEPDW404 0.12495	2.44e3	69.9	NO
4	4	13C8-PFOA	1800834-11 REEPDW404 0.12495	7.75e3	46.0	YES
5	5	13C9-PFNA	1800834-11 REEPDW404 0.12495	7.63e3	42.2	YES
6	6	13C4-PFOS	1800834-11 REEPDW404 0.12495	2.76e3	84.6	NO
7	7	13C6-PFDA	1800834-11 REEPDW404 0.12495	1.07e4	56.0	NO
8	8	13C7-PFUdA	1800834-11 REEPDW404 0.12495	1.37e4	45.3	YES

Name: 180524M1_36, Date: 24-May-2018, Time: 20:03:16, ID: 1800834-12 REEPDW405 0.12226, Description: REEPDW405

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-12 REEPDW405 0.12226	4.41e3	41.5	YES
2	2	13C5-PFHxA	1800834-12 REEPDW405 0.12226	4.15e3	27.0	YES
3	3	13C3-PFHxS	1800834-12 REEPDW405 0.12226	2.95e3	84.5	NO
4	4	13C8-PFOA	1800834-12 REEPDW405 0.12226	4.68e3	27.8	YES
5	5	13C9-PFNA	1800834-12 REEPDW405 0.12226	6.78e3	37.5	YES
6	6	13C4-PFOS	1800834-12 REEPDW405 0.12226	2.95e3	90.4	NO
7	7	13C6-PFDA	1800834-12 REEPDW405 0.12226	9.63e3	50.1	NO
8	8	13C7-PFUdA	1800834-12 REEPDW405 0.12226	1.15e4	37.9	YES

Name: 180524M1_37, Date: 24-May-2018, Time: 20:13:46, ID: 1800834-13 REEPDW408 0.12159, Description: REEPDW408

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-13 REEPDW408 0.12159	3.65e3	34.3	YES
2	2	13C5-PFHxA	1800834-13 REEPDW408 0.12159	4.13e3	26.9	YES
3	3	13C3-PFHxS	1800834-13 REEPDW408 0.12159	2.54e3	72.6	NO
4	4	13C8-PFOA	1800834-13 REEPDW408 0.12159	5.88e3	34.9	YES
5	5	13C9-PFNA	1800834-13 REEPDW408 0.12159	7.33e3	40.5	YES
6	6	13C4-PFOS	1800834-13 REEPDW408 0.12159	2.64e3	80.9	NO
7	7	13C6-PFDA	1800834-13 REEPDW408 0.12159	1.02e4	53.2	NO
8	8	13C7-PFUdA	1800834-13 REEPDW408 0.12159	1.31e4	43.2	YES

Name: 180524M1_38, Date: 24-May-2018, Time: 20:24:17, ID: 1800834-14 REEPDW409 0.12627, Description: REEPDW409

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-14 REEPDW409 0.12627	4.86e3	45.7	YES
2	2	13C5-PFHxA	1800834-14 REEPDW409 0.12627	7.51e3	48.8	YES
3	3	13C3-PFHxS	1800834-14 REEPDW409 0.12627	2.50e3	71.6	NO
4	4	13C8-PFOA	1800834-14 REEPDW409 0.12627	9.12e3	54.2	NO
5	5	13C9-PFNA	1800834-14 REEPDW409 0.12627	1.06e4	58.8	NO
6	6	13C4-PFOS	1800834-14 REEPDW409 0.12627	2.53e3	77.5	NO
7	7	13C6-PFDA	1800834-14 REEPDW409 0.12627	1.23e4	63.9	NO
8	8	13C7-PFUdA	1800834-14 REEPDW409 0.12627	1.81e4	59.7	NO

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Name: 180524M1_39, Date: 24-May-2018, Time: 20:34:41, ID: 1800834-15 REEPDW411 0.12197, Description: REEPDW411

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-15 REEPDW411 0.12197	4.50e3	42.3	YES
2	2	13C5-PFHxA	1800834-15 REEPDW411 0.12197	6.36e3	41.4	YES
3	3	13C3-PFHxS	1800834-15 REEPDW411 0.12197	2.50e3	71.6	NO
4	4	13C8-PFOA	1800834-15 REEPDW411 0.12197	6.90e3	41.0	YES
5	5	13C9-PFNA	1800834-15 REEPDW411 0.12197	8.09e3	44.7	YES
6	6	13C4-PFOS	1800834-15 REEPDW411 0.12197	2.66e3	81.5	NO
7	7	13C6-PFDA	1800834-15 REEPDW411 0.12197	1.07e4	55.5	NO
8	8	13C7-PFUdA	1800834-15 REEPDW411 0.12197	1.15e4	38.0	YES

Name: 180524M1_40, Date: 24-May-2018, Time: 20:45:11, ID: B8E0076-BLK1 Method Blank 0.125, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0076-BLK1 Method Blank 0.125	6.67e3	62.8	NO
2	2	13C5-PFHxA	B8E0076-BLK1 Method Blank 0.125	1.07e4	69.7	NO
3	3	13C3-PFHxS	B8E0076-BLK1 Method Blank 0.125	2.75e3	78.6	NO
4	4	13C8-PFOA	B8E0076-BLK1 Method Blank 0.125	1.15e4	68.2	NO
5	5	13C9-PFNA	B8E0076-BLK1 Method Blank 0.125	1.27e4	70.2	NO
6	6	13C4-PFOS	B8E0076-BLK1 Method Blank 0.125	2.81e3	86.1	NO
7	7	13C6-PFDA	B8E0076-BLK1 Method Blank 0.125	1.65e4	85.8	NO
8	8	13C7-PFUdA	B8E0076-BLK1 Method Blank 0.125	2.07e4	68.5	NO

Name: 180524M1_41, Date: 24-May-2018, Time: 20:55:42, ID: B8E0076-BS1 OPR 0.125, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0076-BS1 OPR 0.125	8.26e3	77.7	NO
2	2	13C5-PFHxA	B8E0076-BS1 OPR 0.125	1.26e4	81.8	NO
3	3	13C3-PFHxS	B8E0076-BS1 OPR 0.125	3.03e3	86.6	NO
4	4	13C8-PFOA	B8E0076-BS1 OPR 0.125	1.31e4	77.8	NO
5	5	13C9-PFNA	B8E0076-BS1 OPR 0.125	1.35e4	74.8	NO
6	6	13C4-PFOS	B8E0076-BS1 OPR 0.125	3.04e3	93.3	NO
7	7	13C6-PFDA	B8E0076-BS1 OPR 0.125	1.90e4	99.0	NO
8	8	13C7-PFUdA	B8E0076-BS1 OPR 0.125	2.26e4	74.6	NO

Name: 180524M1_42, Date: 24-May-2018, Time: 21:06:06, ID: B8E0076-MS1 Matrix Spike 0.12174, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0076-MS1 Matrix Spike 0.12174	3.35e3	31.5	YES
2	2	13C5-PFHxA	B8E0076-MS1 Matrix Spike 0.12174	5.66e3	36.8	YES
3	3	13C3-PFHxS	B8E0076-MS1 Matrix Spike 0.12174	2.45e3	70.2	NO
4	4	13C8-PFOA	B8E0076-MS1 Matrix Spike 0.12174	7.65e3	45.5	YES
5	5	13C9-PFNA	B8E0076-MS1 Matrix Spike 0.12174	8.85e3	48.9	YES
6	6	13C4-PFOS	B8E0076-MS1 Matrix Spike 0.12174	2.39e3	73.3	NO
7	7	13C6-PFDA	B8E0076-MS1 Matrix Spike 0.12174	9.78e3	51.0	NO
8	8	13C7-PFUdA	B8E0076-MS1 Matrix Spike 0.12174	1.37e4	45.2	YES

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Name: 180524M1_43, Date: 24-May-2018, Time: 21:16:36, ID: B8E0076-MSD1 Matrix Spike Dup 0.11849, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0076-MSD1 Matrix Spike Dup 0.118...	9.52e3	89.6	NO
2	2	13C5-PFHxA	B8E0076-MSD1 Matrix Spike Dup 0.118...	1.31e4	84.9	NO
3	3	13C3-PFHxS	B8E0076-MSD1 Matrix Spike Dup 0.118...	3.08e3	88.2	NO
4	4	13C8-PFOA	B8E0076-MSD1 Matrix Spike Dup 0.118...	1.27e4	75.7	NO
5	5	13C9-PFNA	B8E0076-MSD1 Matrix Spike Dup 0.118...	1.26e4	69.9	NO
6	6	13C4-PFOS	B8E0076-MSD1 Matrix Spike Dup 0.118...	3.19e3	97.8	NO
7	7	13C6-PFDA	B8E0076-MSD1 Matrix Spike Dup 0.118...	2.00e4	104.4	NO
8	8	13C7-PFUdA	B8E0076-MSD1 Matrix Spike Dup 0.118...	2.57e4	84.9	NO

Name: 180524M1_44, Date: 24-May-2018, Time: 21:27:07, ID: 1800854-01 REEPDW430 0.12132, Description: REEPDW430

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-01 REEPDW430 0.12132	7.84e3	73.7	NO
2	2	13C5-PFHxA	1800854-01 REEPDW430 0.12132	1.15e4	74.6	NO
3	3	13C3-PFHxS	1800854-01 REEPDW430 0.12132	3.02e3	86.3	NO
4	4	13C8-PFOA	1800854-01 REEPDW430 0.12132	1.34e4	79.6	NO
5	5	13C9-PFNA	1800854-01 REEPDW430 0.12132	1.49e4	82.2	NO
6	6	13C4-PFOS	1800854-01 REEPDW430 0.12132	3.16e3	97.0	NO
7	7	13C6-PFDA	1800854-01 REEPDW430 0.12132	1.61e4	83.7	NO
8	8	13C7-PFUdA	1800854-01 REEPDW430 0.12132	2.36e4	78.0	NO

Name: 180524M1_45, Date: 24-May-2018, Time: 21:37:32, ID: 1800854-02 REEPDW542 0.1194, Description: REEPDW542

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-02 REEPDW542 0.1194	3.58e3	33.7	YES
2	2	13C5-PFHxA	1800854-02 REEPDW542 0.1194	5.75e3	37.4	YES
3	3	13C3-PFHxS	1800854-02 REEPDW542 0.1194	2.88e3	82.5	NO
4	4	13C8-PFOA	1800854-02 REEPDW542 0.1194	6.63e3	39.4	YES
5	5	13C9-PFNA	1800854-02 REEPDW542 0.1194	8.55e3	47.3	YES
6	6	13C4-PFOS	1800854-02 REEPDW542 0.1194	2.95e3	90.5	NO
7	7	13C6-PFDA	1800854-02 REEPDW542 0.1194	1.27e4	66.4	NO
8	8	13C7-PFUdA	1800854-02 REEPDW542 0.1194	1.49e4	49.2	YES

Name: 180524M1_46, Date: 24-May-2018, Time: 21:48:02, ID: 1800854-03 REEPDW431 0.12178, Description: REEPDW431

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-03 REEPDW431 0.12178	7.41e3	69.7	NO
2	2	13C5-PFHxA	1800854-03 REEPDW431 0.12178	1.03e4	66.9	NO
3	3	13C3-PFHxS	1800854-03 REEPDW431 0.12178	2.63e3	75.4	NO
4	4	13C8-PFOA	1800854-03 REEPDW431 0.12178	1.25e4	74.3	NO
5	5	13C9-PFNA	1800854-03 REEPDW431 0.12178	1.30e4	71.7	NO
6	6	13C4-PFOS	1800854-03 REEPDW431 0.12178	2.68e3	82.1	NO
7	7	13C6-PFDA	1800854-03 REEPDW431 0.12178	1.34e4	69.7	NO
8	8	13C7-PFUdA	1800854-03 REEPDW431 0.12178	2.10e4	69.3	NO

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Name: 180524M1_47, Date: 24-May-2018, Time: 21:58:27, ID: 1800854-04 REEPDW432 0.12073, Description: REEPDW432

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-04 REEPDW432 0.12073	3.14e3	29.5	YES
2	2	13C5-PFHxA	1800854-04 REEPDW432 0.12073	5.96e3	38.8	YES
3	3	13C3-PFHxS	1800854-04 REEPDW432 0.12073	2.61e3	74.7	NO
4	4	13C8-PFOA	1800854-04 REEPDW432 0.12073	7.60e3	45.2	YES
5	5	13C9-PFNA	1800854-04 REEPDW432 0.12073	9.71e3	53.7	NO
6	6	13C4-PFOS	1800854-04 REEPDW432 0.12073	2.53e3	77.6	NO
7	7	13C6-PFDA	1800854-04 REEPDW432 0.12073	9.41e3	49.0	YES
8	8	13C7-PFUdA	1800854-04 REEPDW432 0.12073	1.30e4	43.1	YES

Name: 180524M1_48, Date: 24-May-2018, Time: 22:08:49, ID: 1800854-05 REEPDW442 0.11903, Description: REEPDW442

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-05 REEPDW442 0.11903	5.62e3	52.9	NO
2	2	13C5-PFHxA	1800854-05 REEPDW442 0.11903	8.12e3	52.8	NO
3	3	13C3-PFHxS	1800854-05 REEPDW442 0.11903	2.85e3	81.6	NO
4	4	13C8-PFOA	1800854-05 REEPDW442 0.11903	9.83e3	58.4	NO
5	5	13C9-PFNA	1800854-05 REEPDW442 0.11903	1.23e4	68.1	NO
6	6	13C4-PFOS	1800854-05 REEPDW442 0.11903	2.93e3	89.8	NO
7	7	13C6-PFDA	1800854-05 REEPDW442 0.11903	1.10e4	57.5	NO
8	8	13C7-PFUdA	1800854-05 REEPDW442 0.11903	1.57e4	51.9	NO

Name: 180524M1_49, Date: 24-May-2018, Time: 22:19:20, ID: ST180524M1-12 PFC CS3 18E2106, Description: PFC CS3 18E2106

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-12 PFC CS3 18E2106	1.08e4	101.8	NO
2	2	13C5-PFHxA	ST180524M1-12 PFC CS3 18E2106	1.49e4	97.2	NO
3	3	13C3-PFHxS	ST180524M1-12 PFC CS3 18E2106	3.40e3	97.5	NO
4	4	13C8-PFOA	ST180524M1-12 PFC CS3 18E2106	1.52e4	90.6	NO
5	5	13C9-PFNA	ST180524M1-12 PFC CS3 18E2106	1.74e4	96.3	NO
6	6	13C4-PFOS	ST180524M1-12 PFC CS3 18E2106	3.47e3	106.4	NO
7	7	13C6-PFDA	ST180524M1-12 PFC CS3 18E2106	2.19e4	113.9	NO
8	8	13C7-PFUdA	ST180524M1-12 PFC CS3 18E2106	2.54e4	84.1	NO

Name: 180524M1_50, Date: 24-May-2018, Time: 22:29:50, ID: IPA, Description: IPA

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

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Name: 180524M1_51, Date: 24-May-2018, Time: 22:40:15, ID: 1800854-06 REEPDW433 0.11527, Description: REEPDW433

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-06 REEPDW433 0.11527	4.58e3	43.1	YES
2	2	13C5-PFHxA	1800854-06 REEPDW433 0.11527	6.47e3	42.1	YES
3	3	13C3-PFHxS	1800854-06 REEPDW433 0.11527	2.53e3	72.5	NO
4	4	13C8-PFOA	1800854-06 REEPDW433 0.11527	8.11e3	48.2	YES
5	5	13C9-PFNA	1800854-06 REEPDW433 0.11527	9.89e3	54.7	NO
6	6	13C4-PFOS	1800854-06 REEPDW433 0.11527	2.75e3	84.3	NO
7	7	13C6-PFDA	1800854-06 REEPDW433 0.11527	1.37e4	71.5	NO
8	8	13C7-PFUdA	1800854-06 REEPDW433 0.11527	1.30e4	42.9	YES

Name: 180524M1_52, Date: 24-May-2018, Time: 22:50:45, ID: 1800854-07 REEPDW440 0.12301, Description: REEPDW440

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-07 REEPDW440 0.12301	7.05e3	66.3	NO
2	2	13C5-PFHxA	1800854-07 REEPDW440 0.12301	1.00e4	65.3	NO
3	3	13C3-PFHxS	1800854-07 REEPDW440 0.12301	2.65e3	75.9	NO
4	4	13C8-PFOA	1800854-07 REEPDW440 0.12301	1.18e4	70.2	NO
5	5	13C9-PFNA	1800854-07 REEPDW440 0.12301	1.34e4	73.9	NO
6	6	13C4-PFOS	1800854-07 REEPDW440 0.12301	2.63e3	80.7	NO
7	7	13C6-PFDA	1800854-07 REEPDW440 0.12301	1.52e4	79.1	NO
8	8	13C7-PFUdA	1800854-07 REEPDW440 0.12301	1.95e4	64.4	NO

Name: 180524M1_53, Date: 24-May-2018, Time: 23:01:10, ID: 1800854-08 REEPDW543 0.10331, Description: REEPDW543

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-08 REEPDW543 0.10331	7.87e3	74.0	NO
2	2	13C5-PFHxA	1800854-08 REEPDW543 0.10331	1.10e4	71.2	NO
3	3	13C3-PFHxS	1800854-08 REEPDW543 0.10331	2.96e3	84.6	NO
4	4	13C8-PFOA	1800854-08 REEPDW543 0.10331	1.15e4	68.5	NO
5	5	13C9-PFNA	1800854-08 REEPDW543 0.10331	1.24e4	68.3	NO
6	6	13C4-PFOS	1800854-08 REEPDW543 0.10331	2.83e3	86.7	NO
7	7	13C6-PFDA	1800854-08 REEPDW543 0.10331	1.42e4	74.2	NO
8	8	13C7-PFUdA	1800854-08 REEPDW543 0.10331	1.95e4	64.5	NO

Name: 180524M1_54, Date: 24-May-2018, Time: 23:11:40, ID: 1800854-09 REEPDW441 0.10363, Description: REEPDW441

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-09 REEPDW441 0.10363	6.39e3	60.1	NO
2	2	13C5-PFHxA	1800854-09 REEPDW441 0.10363	9.38e3	61.0	NO
3	3	13C3-PFHxS	1800854-09 REEPDW441 0.10363	2.95e3	84.3	NO
4	4	13C8-PFOA	1800854-09 REEPDW441 0.10363	1.10e4	65.6	NO
5	5	13C9-PFNA	1800854-09 REEPDW441 0.10363	1.23e4	68.0	NO
6	6	13C4-PFOS	1800854-09 REEPDW441 0.10363	3.15e3	96.5	NO
7	7	13C6-PFDA	1800854-09 REEPDW441 0.10363	1.50e4	78.2	NO
8	8	13C7-PFUdA	1800854-09 REEPDW441 0.10363	1.87e4	61.8	NO

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Name: 180524M1_55, Date: 24-May-2018, Time: 23:22:05, ID: 1800854-10 REEPDW445 0.10874, Description: REEPDW445

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-10 REEPDW445 0.10874	8.35e3	78.5	NO
2	2	13C5-PFHxA	1800854-10 REEPDW445 0.10874	1.14e4	74.4	NO
3	3	13C3-PFHxS	1800854-10 REEPDW445 0.10874	2.85e3	81.7	NO
4	4	13C8-PFOA	1800854-10 REEPDW445 0.10874	1.17e4	69.8	NO
5	5	13C9-PFNA	1800854-10 REEPDW445 0.10874	1.36e4	75.4	NO
6	6	13C4-PFOS	1800854-10 REEPDW445 0.10874	3.09e3	94.9	NO
7	7	13C6-PFDA	1800854-10 REEPDW445 0.10874	1.60e4	83.3	NO
8	8	13C7-PFUdA	1800854-10 REEPDW445 0.10874	1.92e4	63.5	NO

Name: 180524M1_56, Date: 24-May-2018, Time: 23:32:35, ID: 1800854-11 REEPDW443 0.11262, Description: REEPDW443

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-11 REEPDW443 0.11262	4.48e3	42.1	YES
2	2	13C5-PFHxA	1800854-11 REEPDW443 0.11262	6.20e3	40.3	YES
3	3	13C3-PFHxS	1800854-11 REEPDW443 0.11262	3.17e3	90.8	NO
4	4	13C8-PFOA	1800854-11 REEPDW443 0.11262	7.84e3	46.6	YES
5	5	13C9-PFNA	1800854-11 REEPDW443 0.11262	1.02e4	56.2	NO
6	6	13C4-PFOS	1800854-11 REEPDW443 0.11262	3.01e3	92.2	NO
7	7	13C6-PFDA	1800854-11 REEPDW443 0.11262	1.42e4	73.9	NO
8	8	13C7-PFUdA	1800854-11 REEPDW443 0.11262	1.87e4	61.9	NO

Name: 180524M1_57, Date: 24-May-2018, Time: 23:43:00, ID: 1800854-12 REEPDW444 0.11693, Description: REEPDW444

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-12 REEPDW444 0.11693	6.38e3	60.1	NO
2	2	13C5-PFHxA	1800854-12 REEPDW444 0.11693	8.54e3	55.6	NO
3	3	13C3-PFHxS	1800854-12 REEPDW444 0.11693	3.11e3	89.0	NO
4	4	13C8-PFOA	1800854-12 REEPDW444 0.11693	9.98e3	59.3	NO
5	5	13C9-PFNA	1800854-12 REEPDW444 0.11693	1.27e4	70.0	NO
6	6	13C4-PFOS	1800854-12 REEPDW444 0.11693	3.31e3	101.4	NO
7	7	13C6-PFDA	1800854-12 REEPDW444 0.11693	1.56e4	81.0	NO
8	8	13C7-PFUdA	1800854-12 REEPDW444 0.11693	1.98e4	65.4	NO

Name: 180524M1_58, Date: 24-May-2018, Time: 23:53:30, ID: 1800860-01 BP-MH-SW4001-South-FRB-20180501 0.11465, Description: BP-MH-SW4001-South-FRB-20180501

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800860-01 BP-MH-SW4001-South-FR...	1.07e4		NO
2	2	13C5-PFHxA	1800860-01 BP-MH-SW4001-South-FR...	1.46e4		NO
3	3	13C3-PFHxS	1800860-01 BP-MH-SW4001-South-FR...	3.46e3		NO
4	4	13C8-PFOA	1800860-01 BP-MH-SW4001-South-FR...	1.76e4		NO
5	5	13C9-PFNA	1800860-01 BP-MH-SW4001-South-FR...	1.80e4		NO
6	6	13C4-PFOS	1800860-01 BP-MH-SW4001-South-FR...	3.44e3		NO
7	7	13C6-PFDA	1800860-01 BP-MH-SW4001-South-FR...	1.82e4		NO
8	8	13C7-PFUdA	1800860-01 BP-MH-SW4001-South-FR...	2.90e4		NO

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Name: 180524M1_59, Date: 25-May-2018, Time: 00:03:55, ID: ST180524M1-13 PFC CS3 18E2106, Description: PFC CS3 18E2106

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-13 PFC CS3 18E2106	1.13e4	106.3	NO
2	2	13C5-PFHxA	ST180524M1-13 PFC CS3 18E2106	1.60e4	104.1	NO
3	3	13C3-PFHxS	ST180524M1-13 PFC CS3 18E2106	3.52e3	100.8	NO
4	4	13C8-PFOA	ST180524M1-13 PFC CS3 18E2106	1.74e4	103.3	NO
5	5	13C9-PFNA	ST180524M1-13 PFC CS3 18E2106	2.03e4	112.1	NO
6	6	13C4-PFOS	ST180524M1-13 PFC CS3 18E2106	3.52e3	108.1	NO
7	7	13C6-PFDA	ST180524M1-13 PFC CS3 18E2106	2.26e4	117.6	NO
8	8	13C7-PFUdA	ST180524M1-13 PFC CS3 18E2106	2.62e4	86.5	NO

Name: 180524M1_60, Date: 25-May-2018, Time: 00:14:26, 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: 180524M1_61, Date: 25-May-2018, Time: 00:24:49, ID: B8E0064-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0064-BLK1 Method Blank 0.25	7.21e3	67.8	NO
2	2	13C5-PFHxA	B8E0064-BLK1 Method Blank 0.25	1.10e4	71.4	NO
3	3	13C3-PFHxS	B8E0064-BLK1 Method Blank 0.25	2.81e3	80.3	NO
4	4	13C8-PFOA	B8E0064-BLK1 Method Blank 0.25	1.34e4	79.6	NO
5	5	13C9-PFNA	B8E0064-BLK1 Method Blank 0.25	1.50e4	83.1	NO
6	6	13C4-PFOS	B8E0064-BLK1 Method Blank 0.25	3.19e3	97.8	NO
7	7	13C6-PFDA	B8E0064-BLK1 Method Blank 0.25	1.74e4	90.8	NO
8	8	13C7-PFUdA	B8E0064-BLK1 Method Blank 0.25	2.17e4	71.8	NO

Name: 180524M1_62, Date: 25-May-2018, Time: 00:35:20, ID: B8E0064-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0064-BS1 OPR 0.25	6.36e3	59.8	NO
2	2	13C5-PFHxA	B8E0064-BS1 OPR 0.25	9.48e3	61.7	NO
3	3	13C3-PFHxS	B8E0064-BS1 OPR 0.25	2.34e3	66.9	NO
4	4	13C8-PFOA	B8E0064-BS1 OPR 0.25	1.02e4	60.4	NO
5	5	13C9-PFNA	B8E0064-BS1 OPR 0.25	1.22e4	67.6	NO
6	6	13C4-PFOS	B8E0064-BS1 OPR 0.25	2.40e3	73.8	NO
7	7	13C6-PFDA	B8E0064-BS1 OPR 0.25	1.38e4	71.9	NO
8	8	13C7-PFUdA	B8E0064-BS1 OPR 0.25	1.92e4	63.4	NO

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Name: 180524M1_63, Date: 25-May-2018, Time: 00:45:44, ID: 1800887-01 WR1805031020KE 0.25434, Description: WR1805031020KE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800887-01 WR1805031020KE 0.25434	6.37e3	59.9	NO
2	2	13C5-PFHxA	1800887-01 WR1805031020KE 0.25434	9.39e3	61.1	NO
3	3	13C3-PFHxS	1800887-01 WR1805031020KE 0.25434	2.28e3	65.2	NO
4	4	13C8-PFOA	1800887-01 WR1805031020KE 0.25434	1.02e4	60.6	NO
5	5	13C9-PFNA	1800887-01 WR1805031020KE 0.25434	1.29e4	71.5	NO
6	6	13C4-PFOS	1800887-01 WR1805031020KE 0.25434	2.38e3	72.9	NO
7	7	13C6-PFDA	1800887-01 WR1805031020KE 0.25434	1.23e4	64.0	NO
8	8	13C7-PFUdA	1800887-01 WR1805031020KE 0.25434	1.85e4	61.1	NO

Name: 180524M1_64, Date: 25-May-2018, Time: 00:56:15, ID: 1800887-02 FB1805031025KE 0.24278, Description: FB1805031025KE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800887-02 FB1805031025KE 0.24278	6.21e3	58.4	NO
2	2	13C5-PFHxA	1800887-02 FB1805031025KE 0.24278	8.69e3	56.5	NO
3	3	13C3-PFHxS	1800887-02 FB1805031025KE 0.24278	2.33e3	66.8	NO
4	4	13C8-PFOA	1800887-02 FB1805031025KE 0.24278	1.14e4	67.8	NO
5	5	13C9-PFNA	1800887-02 FB1805031025KE 0.24278	1.33e4	73.7	NO
6	6	13C4-PFOS	1800887-02 FB1805031025KE 0.24278	2.49e3	76.3	NO
7	7	13C6-PFDA	1800887-02 FB1805031025KE 0.24278	1.55e4	80.5	NO
8	8	13C7-PFUdA	1800887-02 FB1805031025KE 0.24278	1.84e4	60.8	NO

Name: 180524M1_65, Date: 25-May-2018, Time: 01:06:45, ID: 1800887-03 WR1805031045KE 0.25088, Description: WR1805031045KE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800887-03 WR1805031045KE 0.25088	5.96e3	56.0	NO
2	2	13C5-PFHxA	1800887-03 WR1805031045KE 0.25088	8.97e3	58.3	NO
3	3	13C3-PFHxS	1800887-03 WR1805031045KE 0.25088	2.16e3	61.9	NO
4	4	13C8-PFOA	1800887-03 WR1805031045KE 0.25088	8.88e3	52.7	NO
5	5	13C9-PFNA	1800887-03 WR1805031045KE 0.25088	1.06e4	58.5	NO
6	6	13C4-PFOS	1800887-03 WR1805031045KE 0.25088	2.31e3	70.9	NO
7	7	13C6-PFDA	1800887-03 WR1805031045KE 0.25088	1.08e4	56.1	NO
8	8	13C7-PFUdA	1800887-03 WR1805031045KE 0.25088	1.72e4	56.8	NO

Name: 180524M1_66, Date: 25-May-2018, Time: 01:17:09, ID: 1800887-04 WT1805031110KE 0.25981, Description: WT1805031110KE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800887-04 WT1805031110KE 0.25981	6.22e3	58.5	NO
2	2	13C5-PFHxA	1800887-04 WT1805031110KE 0.25981	8.57e3	55.7	NO
3	3	13C3-PFHxS	1800887-04 WT1805031110KE 0.25981	2.05e3	58.8	NO
4	4	13C8-PFOA	1800887-04 WT1805031110KE 0.25981	9.91e3	58.9	NO
5	5	13C9-PFNA	1800887-04 WT1805031110KE 0.25981	1.07e4	59.3	NO
6	6	13C4-PFOS	1800887-04 WT1805031110KE 0.25981	2.23e3	68.4	NO
7	7	13C6-PFDA	1800887-04 WT1805031110KE 0.25981	1.28e4	66.5	NO
8	8	13C7-PFUdA	1800887-04 WT1805031110KE 0.25981	1.53e4	50.7	NO

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Name: 180524M1_67, Date: 25-May-2018, Time: 01:27:39, ID: 1800889-01 WR1805011250MK 0.25081, Description: WR1805011250MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800889-01 WR1805011250MK 0.25081	6.44e3	60.5	NO
2	2	13C5-PFHxA	1800889-01 WR1805011250MK 0.25081	8.97e3	58.3	NO
3	3	13C3-PFHxS	1800889-01 WR1805011250MK 0.25081	2.21e3	63.1	NO
4	4	13C8-PFOA	1800889-01 WR1805011250MK 0.25081	1.01e4	60.3	NO
5	5	13C9-PFNA	1800889-01 WR1805011250MK 0.25081	1.23e4	67.7	NO
6	6	13C4-PFOS	1800889-01 WR1805011250MK 0.25081	2.35e3	71.9	NO
7	7	13C6-PFDA	1800889-01 WR1805011250MK 0.25081	1.34e4	69.7	NO
8	8	13C7-PFUdA	1800889-01 WR1805011250MK 0.25081	1.75e4	58.0	NO

Name: 180524M1_68, Date: 25-May-2018, Time: 01:38:04, ID: 1800889-02 WR1805011315MK 0.24098, Description: WR1805011315MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800889-02 WR1805011315MK 0.24098	4.88e3	45.9	YES
2	2	13C5-PFHxA	1800889-02 WR1805011315MK 0.24098	7.48e3	48.6	YES
3	3	13C3-PFHxS	1800889-02 WR1805011315MK 0.24098	2.46e3	70.4	NO
4	4	13C8-PFOA	1800889-02 WR1805011315MK 0.24098	9.40e3	55.9	NO
5	5	13C9-PFNA	1800889-02 WR1805011315MK 0.24098	1.05e4	58.1	NO
6	6	13C4-PFOS	1800889-02 WR1805011315MK 0.24098	2.61e3	80.0	NO
7	7	13C6-PFDA	1800889-02 WR1805011315MK 0.24098	1.20e4	62.7	NO
8	8	13C7-PFUdA	1800889-02 WR1805011315MK 0.24098	1.35e4	44.7	YES

Name: 180524M1_69, Date: 25-May-2018, Time: 01:48:35, ID: 1800889-03 WR1805011320MK 0.25603, Description: WR1805011320MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800889-03 WR1805011320MK 0.25603	6.65e3	62.6	NO
2	2	13C5-PFHxA	1800889-03 WR1805011320MK 0.25603	9.81e3	63.8	NO
3	3	13C3-PFHxS	1800889-03 WR1805011320MK 0.25603	2.52e3	72.0	NO
4	4	13C8-PFOA	1800889-03 WR1805011320MK 0.25603	1.25e4	74.1	NO
5	5	13C9-PFNA	1800889-03 WR1805011320MK 0.25603	1.27e4	70.1	NO
6	6	13C4-PFOS	1800889-03 WR1805011320MK 0.25603	2.74e3	84.1	NO
7	7	13C6-PFDA	1800889-03 WR1805011320MK 0.25603	1.16e4	60.6	NO
8	8	13C7-PFUdA	1800889-03 WR1805011320MK 0.25603	1.84e4	60.9	NO

Name: 180524M1_70, Date: 25-May-2018, Time: 01:59:05, ID: 1800889-04 WT1805011345MK 0.25618, Description: WT1805011345MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800889-04 WT1805011345MK 0.25618	5.85e3	55.0	NO
2	2	13C5-PFHxA	1800889-04 WT1805011345MK 0.25618	9.42e3	61.2	NO
3	3	13C3-PFHxS	1800889-04 WT1805011345MK 0.25618	2.59e3	74.2	NO
4	4	13C8-PFOA	1800889-04 WT1805011345MK 0.25618	1.03e4	61.2	NO
5	5	13C9-PFNA	1800889-04 WT1805011345MK 0.25618	1.11e4	61.5	NO
6	6	13C4-PFOS	1800889-04 WT1805011345MK 0.25618	2.70e3	82.7	NO
7	7	13C6-PFDA	1800889-04 WT1805011345MK 0.25618	1.34e4	69.9	NO
8	8	13C7-PFUdA	1800889-04 WT1805011345MK 0.25618	1.45e4	48.1	YES

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Name: 180524M1_71, Date: 25-May-2018, Time: 02:09:30, ID: 1800889-05 WT1805011350MK 0.25228, Description: WT1805011350MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800889-05 WT1805011350MK 0.25228	6.53e3	61.4	NO
2	2	13C5-PFHxA	1800889-05 WT1805011350MK 0.25228	9.27e3	60.3	NO
3	3	13C3-PFHxS	1800889-05 WT1805011350MK 0.25228	2.47e3	70.8	NO
4	4	13C8-PFOA	1800889-05 WT1805011350MK 0.25228	1.09e4	64.5	NO
5	5	13C9-PFNA	1800889-05 WT1805011350MK 0.25228	1.29e4	71.4	NO
6	6	13C4-PFOS	1800889-05 WT1805011350MK 0.25228	2.71e3	83.0	NO
7	7	13C6-PFDA	1800889-05 WT1805011350MK 0.25228	1.50e4	78.4	NO
8	8	13C7-PFUdA	1800889-05 WT1805011350MK 0.25228	1.80e4	59.5	NO

Name: 180524M1_72, Date: 25-May-2018, Time: 02:20:00, ID: 1800889-06 WT1805011355MK 0.25218, Description: WT1805011355MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800889-06 WT1805011355MK 0.25218	5.31e3	50.0	NO
2	2	13C5-PFHxA	1800889-06 WT1805011355MK 0.25218	7.38e3	48.0	YES
3	3	13C3-PFHxS	1800889-06 WT1805011355MK 0.25218	2.73e3	78.3	NO
4	4	13C8-PFOA	1800889-06 WT1805011355MK 0.25218	8.76e3	52.1	NO
5	5	13C9-PFNA	1800889-06 WT1805011355MK 0.25218	1.02e4	56.2	NO
6	6	13C4-PFOS	1800889-06 WT1805011355MK 0.25218	2.80e3	85.9	NO
7	7	13C6-PFDA	1800889-06 WT1805011355MK 0.25218	1.21e4	62.9	NO
8	8	13C7-PFUdA	1800889-06 WT1805011355MK 0.25218	1.59e4	52.5	NO

Name: 180524M1_73, Date: 25-May-2018, Time: 02:30:25, ID: 1800889-07 WT1805011400MK 0.25413, Description: WT1805011400MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800889-07 WT1805011400MK 0.25413	6.39e3	60.1	NO
2	2	13C5-PFHxA	1800889-07 WT1805011400MK 0.25413	9.83e3	63.9	NO
3	3	13C3-PFHxS	1800889-07 WT1805011400MK 0.25413	2.55e3	72.9	NO
4	4	13C8-PFOA	1800889-07 WT1805011400MK 0.25413	1.13e4	67.1	NO
5	5	13C9-PFNA	1800889-07 WT1805011400MK 0.25413	1.15e4	63.8	NO
6	6	13C4-PFOS	1800889-07 WT1805011400MK 0.25413	2.67e3	81.8	NO
7	7	13C6-PFDA	1800889-07 WT1805011400MK 0.25413	1.48e4	76.9	NO
8	8	13C7-PFUdA	1800889-07 WT1805011400MK 0.25413	1.60e4	52.9	NO

Name: 180524M1_74, Date: 25-May-2018, Time: 02:40:55, ID: ST180524M1-14 PFC CS3 18E2106, Description: PFC CS3 18E2106

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-14 PFC CS3 18E2106	1.17e4	110.2	NO
2	2	13C5-PFHxA	ST180524M1-14 PFC CS3 18E2106	1.60e4	104.1	NO
3	3	13C3-PFHxS	ST180524M1-14 PFC CS3 18E2106	3.58e3	102.5	NO
4	4	13C8-PFOA	ST180524M1-14 PFC CS3 18E2106	1.69e4	100.6	NO
5	5	13C9-PFNA	ST180524M1-14 PFC CS3 18E2106	2.13e4	117.7	NO
6	6	13C4-PFOS	ST180524M1-14 PFC CS3 18E2106	3.67e3	112.5	NO
7	7	13C6-PFDA	ST180524M1-14 PFC CS3 18E2106	2.30e4	120.0	NO
8	8	13C7-PFUdA	ST180524M1-14 PFC CS3 18E2106	2.37e4	78.3	NO

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Name: 180524M1_75, Date: 25-May-2018, Time: 02:51:20, 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: 180524M1_76, Date: 25-May-2018, Time: 03:01:50, ID: 1800889-08 WR1805011425MK 0.26019, Description: WR1805011425MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800889-08 WR1805011425MK 0.26019	6.85e3	64.4	NO
2	2	13C5-PFHxA	1800889-08 WR1805011425MK 0.26019	9.67e3	62.9	NO
3	3	13C3-PFHxS	1800889-08 WR1805011425MK 0.26019	2.52e3	72.1	NO
4	4	13C8-PFOA	1800889-08 WR1805011425MK 0.26019	1.04e4	61.9	NO
5	5	13C9-PFNA	1800889-08 WR1805011425MK 0.26019	1.21e4	66.9	NO
6	6	13C4-PFOS	1800889-08 WR1805011425MK 0.26019	2.59e3	79.3	NO
7	7	13C6-PFDA	1800889-08 WR1805011425MK 0.26019	1.20e4	62.6	NO
8	8	13C7-PFUdA	1800889-08 WR1805011425MK 0.26019	1.79e4	59.2	NO

Name: 180524M1_77, Date: 25-May-2018, Time: 03:12:15, ID: 1800889-09 WR1805011435KE 0.25653, Description: WR1805011435KE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800889-09 WR1805011435KE 0.25653	6.69e3	62.9	NO
2	2	13C5-PFHxA	1800889-09 WR1805011435KE 0.25653	8.27e3	53.7	NO
3	3	13C3-PFHxS	1800889-09 WR1805011435KE 0.25653	2.35e3	67.3	NO
4	4	13C8-PFOA	1800889-09 WR1805011435KE 0.25653	1.19e4	70.7	NO
5	5	13C9-PFNA	1800889-09 WR1805011435KE 0.25653	1.26e4	69.7	NO
6	6	13C4-PFOS	1800889-09 WR1805011435KE 0.25653	2.61e3	80.1	NO
7	7	13C6-PFDA	1800889-09 WR1805011435KE 0.25653	1.35e4	70.3	NO
8	8	13C7-PFUdA	1800889-09 WR1805011435KE 0.25653	1.85e4	61.1	NO

Name: 180524M1_78, Date: 25-May-2018, Time: 03:22:46, ID: 1800889-10 WT1805011530MK 0.24566, Description: WT1805011530MK

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800889-10 WT1805011530MK 0.24566	7.16e3	67.3	NO
2	2	13C5-PFHxA	1800889-10 WT1805011530MK 0.24566	9.82e3	63.9	NO
3	3	13C3-PFHxS	1800889-10 WT1805011530MK 0.24566	2.39e3	68.5	NO
4	4	13C8-PFOA	1800889-10 WT1805011530MK 0.24566	1.14e4	67.7	NO
5	5	13C9-PFNA	1800889-10 WT1805011530MK 0.24566	1.12e4	62.0	NO
6	6	13C4-PFOS	1800889-10 WT1805011530MK 0.24566	2.67e3	82.0	NO
7	7	13C6-PFDA	1800889-10 WT1805011530MK 0.24566	1.39e4	72.2	NO
8	8	13C7-PFUdA	1800889-10 WT1805011530MK 0.24566	1.97e4	65.1	NO

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Name: 180524M1_79, Date: 25-May-2018, Time: 03:33:10, ID: 1800894-01 FB1805020915KE 0.23585, Description: FB1805020915KE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800894-01 FB1805020915KE 0.23585	7.07e3	66.5	NO
2	2	13C5-PFHxA	1800894-01 FB1805020915KE 0.23585	1.07e4	69.4	NO
3	3	13C3-PFHxS	1800894-01 FB1805020915KE 0.23585	2.56e3	73.2	NO
4	4	13C8-PFOA	1800894-01 FB1805020915KE 0.23585	1.07e4	63.5	NO
5	5	13C9-PFNA	1800894-01 FB1805020915KE 0.23585	1.35e4	74.6	NO
6	6	13C4-PFOS	1800894-01 FB1805020915KE 0.23585	2.62e3	80.2	NO
7	7	13C6-PFDA	1800894-01 FB1805020915KE 0.23585	1.41e4	73.3	NO
8	8	13C7-PFUdA	1800894-01 FB1805020915KE 0.23585	1.85e4	61.1	NO

Name: 180524M1_80, Date: 25-May-2018, Time: 03:43:41, ID: 1800894-02 WT1805021020KE 0.23855, Description: WT1805021020KE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800894-02 WT1805021020KE 0.23855	6.35e3	59.7	NO
2	2	13C5-PFHxA	1800894-02 WT1805021020KE 0.23855	9.57e3	62.2	NO
3	3	13C3-PFHxS	1800894-02 WT1805021020KE 0.23855	2.39e3	68.4	NO
4	4	13C8-PFOA	1800894-02 WT1805021020KE 0.23855	1.12e4	66.5	NO
5	5	13C9-PFNA	1800894-02 WT1805021020KE 0.23855	1.24e4	68.4	NO
6	6	13C4-PFOS	1800894-02 WT1805021020KE 0.23855	2.49e3	76.4	NO
7	7	13C6-PFDA	1800894-02 WT1805021020KE 0.23855	1.38e4	72.0	NO
8	8	13C7-PFUdA	1800894-02 WT1805021020KE 0.23855	1.60e4	52.8	NO

Name: 180524M1_81, Date: 25-May-2018, Time: 03:54:06, ID: 1800894-03 WR1805021715KE 0.25131, Description: WR1805021715KE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800894-03 WR1805021715KE 0.25131	5.92e3	55.7	NO
2	2	13C5-PFHxA	1800894-03 WR1805021715KE 0.25131	8.68e3	56.4	NO
3	3	13C3-PFHxS	1800894-03 WR1805021715KE 0.25131	2.67e3	76.5	NO
4	4	13C8-PFOA	1800894-03 WR1805021715KE 0.25131	1.03e4	61.2	NO
5	5	13C9-PFNA	1800894-03 WR1805021715KE 0.25131	1.21e4	66.7	NO
6	6	13C4-PFOS	1800894-03 WR1805021715KE 0.25131	2.79e3	85.5	NO
7	7	13C6-PFDA	1800894-03 WR1805021715KE 0.25131	1.29e4	66.9	NO
8	8	13C7-PFUdA	1800894-03 WR1805021715KE 0.25131	1.89e4	62.6	NO

Name: 180524M1_82, Date: 25-May-2018, Time: 04:04:36, ID: 1800894-04 WT1805021730KE 0.25999, Description: WT1805021730KE

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800894-04 WT1805021730KE 0.25999	6.34e3	59.6	NO
2	2	13C5-PFHxA	1800894-04 WT1805021730KE 0.25999	9.75e3	63.4	NO
3	3	13C3-PFHxS	1800894-04 WT1805021730KE 0.25999	2.54e3	72.8	NO
4	4	13C8-PFOA	1800894-04 WT1805021730KE 0.25999	1.02e4	60.6	NO
5	5	13C9-PFNA	1800894-04 WT1805021730KE 0.25999	1.22e4	67.6	NO
6	6	13C4-PFOS	1800894-04 WT1805021730KE 0.25999	2.84e3	87.0	NO
7	7	13C6-PFDA	1800894-04 WT1805021730KE 0.25999	1.47e4	76.8	NO
8	8	13C7-PFUdA	1800894-04 WT1805021730KE 0.25999	1.81e4	59.7	NO

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Name: 180524M1_83, Date: 25-May-2018, Time: 04:15:01, ID: B8E0080-BLK1 Method Blank 0.25, Description: Method Blank

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0080-BLK1 Method Blank 0.25	7.71e3	72.5	NO
2	2	13C5-PFHxA	B8E0080-BLK1 Method Blank 0.25	1.08e4	70.0	NO
3	3	13C3-PFHxS	B8E0080-BLK1 Method Blank 0.25	2.68e3	76.7	NO
4	4	13C8-PFOA	B8E0080-BLK1 Method Blank 0.25	1.26e4	74.9	NO
5	5	13C9-PFNA	B8E0080-BLK1 Method Blank 0.25	1.42e4	78.6	NO
6	6	13C4-PFOS	B8E0080-BLK1 Method Blank 0.25	2.84e3	87.0	NO
7	7	13C6-PFDA	B8E0080-BLK1 Method Blank 0.25	1.50e4	78.3	NO
8	8	13C7-PFUdA	B8E0080-BLK1 Method Blank 0.25	1.98e4	65.6	NO

Name: 180524M1_84, Date: 25-May-2018, Time: 04:25:32, ID: B8E0080-BS1 OPR 0.25, Description: OPR

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0080-BS1 OPR 0.25	7.39e3	69.5	NO
2	2	13C5-PFHxA	B8E0080-BS1 OPR 0.25	9.90e3	64.4	NO
3	3	13C3-PFHxS	B8E0080-BS1 OPR 0.25	2.73e3	78.2	NO
4	4	13C8-PFOA	B8E0080-BS1 OPR 0.25	1.12e4	66.6	NO
5	5	13C9-PFNA	B8E0080-BS1 OPR 0.25	1.02e4	56.5	NO
6	6	13C4-PFOS	B8E0080-BS1 OPR 0.25	2.78e3	85.2	NO
7	7	13C6-PFDA	B8E0080-BS1 OPR 0.25	1.34e4	69.7	NO
8	8	13C7-PFUdA	B8E0080-BS1 OPR 0.25	1.93e4	63.8	NO

Name: 180524M1_85, Date: 25-May-2018, Time: 04:35:56, ID: B8E0080-BSD1 LCSD 0.25, Description: LCSD

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0080-BSD1 LCSD 0.25	8.05e3	75.7	NO
2	2	13C5-PFHxA	B8E0080-BSD1 LCSD 0.25	1.10e4	71.7	NO
3	3	13C3-PFHxS	B8E0080-BSD1 LCSD 0.25	3.27e3	93.6	NO
4	4	13C8-PFOA	B8E0080-BSD1 LCSD 0.25	1.26e4	75.2	NO
5	5	13C9-PFNA	B8E0080-BSD1 LCSD 0.25	1.39e4	77.0	NO
6	6	13C4-PFOS	B8E0080-BSD1 LCSD 0.25	3.29e3	100.8	NO
7	7	13C6-PFDA	B8E0080-BSD1 LCSD 0.25	1.62e4	84.5	NO
8	8	13C7-PFUdA	B8E0080-BSD1 LCSD 0.25	1.78e4	58.9	NO

Name: 180524M1_86, Date: 25-May-2018, Time: 04:46:26, ID: 1800896-01 SKITMW113180501N 0.26151, Description: SKITMW113180501N

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-01 SKITMW113180501N 0.26...	4.38e3	41.2	YES
2	2	13C5-PFHxA	1800896-01 SKITMW113180501N 0.26...	7.26e3	47.2	YES
3	3	13C3-PFHxS	1800896-01 SKITMW113180501N 0.26...	3.08e3	88.2	NO
4	4	13C8-PFOA	1800896-01 SKITMW113180501N 0.26...	9.15e3	54.4	NO
5	5	13C9-PFNA	1800896-01 SKITMW113180501N 0.26...	1.13e4	62.6	NO
6	6	13C4-PFOS	1800896-01 SKITMW113180501N 0.26...	3.03e3	92.8	NO
7	7	13C6-PFDA	1800896-01 SKITMW113180501N 0.26...	1.26e4	65.6	NO
8	8	13C7-PFUdA	1800896-01 SKITMW113180501N 0.26...	1.51e4	49.9	YES

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Name: 180524M1_87, Date: 25-May-2018, Time: 04:56:51, ID: 1800896-02 SKITMW211180501N 0.26194, Description: SKITMW211180501N

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-02 SKITMW211180501N 0.26...	3.30e3	31.0	YES
2	2	13C5-PFHxA	1800896-02 SKITMW211180501N 0.26...	6.95e3	45.2	YES
3	3	13C3-PFHxS	1800896-02 SKITMW211180501N 0.26...	3.09e3	88.5	NO
4	4	13C8-PFOA	1800896-02 SKITMW211180501N 0.26...	1.01e4	59.8	NO
5	5	13C9-PFNA	1800896-02 SKITMW211180501N 0.26...	1.04e4	57.3	NO
6	6	13C4-PFOS	1800896-02 SKITMW211180501N 0.26...	3.58e3	109.8	NO
7	7	13C6-PFDA	1800896-02 SKITMW211180501N 0.26...	1.41e4	73.6	NO
8	8	13C7-PFUdA	1800896-02 SKITMW211180501N 0.26...	1.47e4	48.6	YES

Name: 180524M1_88, Date: 25-May-2018, Time: 05:07:21, ID: 1800896-03 SKITMW308180430N 0.24703, Description: SKITMW308180430N

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-03 SKITMW308180430N 0.24...	7.63e3	71.8	NO
2	2	13C5-PFHxA	1800896-03 SKITMW308180430N 0.24...	1.13e4	73.4	NO
3	3	13C3-PFHxS	1800896-03 SKITMW308180430N 0.24...	3.55e3	101.7	NO
4	4	13C8-PFOA	1800896-03 SKITMW308180430N 0.24...	1.37e4	81.2	NO
5	5	13C9-PFNA	1800896-03 SKITMW308180430N 0.24...	1.51e4	83.4	NO
6	6	13C4-PFOS	1800896-03 SKITMW308180430N 0.24...	3.53e3	108.4	NO
7	7	13C6-PFDA	1800896-03 SKITMW308180430N 0.24...	1.78e4	92.8	NO
8	8	13C7-PFUdA	1800896-03 SKITMW308180430N 0.24...	2.32e4	76.8	NO

Name: 180524M1_89, Date: 25-May-2018, Time: 05:17:46, ID: 1800896-04 SKITMW410180430N 0.2594, Description: SKITMW410180430N

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-04 SKITMW410180430N 0.25...	8.70e3	81.8	NO
2	2	13C5-PFHxA	1800896-04 SKITMW410180430N 0.25...	1.11e4	72.2	NO
3	3	13C3-PFHxS	1800896-04 SKITMW410180430N 0.25...	2.72e3	77.7	NO
4	4	13C8-PFOA	1800896-04 SKITMW410180430N 0.25...	1.22e4	72.6	NO
5	5	13C9-PFNA	1800896-04 SKITMW410180430N 0.25...	1.37e4	75.8	NO
6	6	13C4-PFOS	1800896-04 SKITMW410180430N 0.25...	2.75e3	84.3	NO
7	7	13C6-PFDA	1800896-04 SKITMW410180430N 0.25...	1.47e4	76.6	NO
8	8	13C7-PFUdA	1800896-04 SKITMW410180430N 0.25...	1.90e4	62.9	NO

Name: 180524M1_90, Date: 25-May-2018, Time: 05:28:17, ID: ST180524M1-15 PFC CS3 18E2106, Description: PFC CS3 18E2106

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-15 PFC CS3 18E2106	1.24e4	116.4	NO
2	2	13C5-PFHxA	ST180524M1-15 PFC CS3 18E2106	1.69e4	109.7	NO
3	3	13C3-PFHxS	ST180524M1-15 PFC CS3 18E2106	3.79e3	108.5	NO
4	4	13C8-PFOA	ST180524M1-15 PFC CS3 18E2106	1.84e4	109.4	NO
5	5	13C9-PFNA	ST180524M1-15 PFC CS3 18E2106	1.64e4	90.9	NO
6	6	13C4-PFOS	ST180524M1-15 PFC CS3 18E2106	4.10e3	125.8	NO
7	7	13C6-PFDA	ST180524M1-15 PFC CS3 18E2106	2.06e4	107.5	NO
8	8	13C7-PFUdA	ST180524M1-15 PFC CS3 18E2106	2.77e4	91.5	NO

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Name: 180524M1_91, Date: 25-May-2018, Time: 05:38:47, 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: 180524M1_92, Date: 25-May-2018, Time: 05:49:13, ID: 1800896-05 SKITMW506180430N 0.25933, Description: SKITMW506180430N

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-05 SKITMW506180430N 0.25...	6.67e3	62.7	NO
2	2	13C5-PFHxA	1800896-05 SKITMW506180430N 0.25...	9.64e3	62.7	NO
3	3	13C3-PFHxS	1800896-05 SKITMW506180430N 0.25...	3.27e3	93.6	NO
4	4	13C8-PFOA	1800896-05 SKITMW506180430N 0.25...	1.15e4	68.4	NO
5	5	13C9-PFNA	1800896-05 SKITMW506180430N 0.25...	1.24e4	68.7	NO
6	6	13C4-PFOS	1800896-05 SKITMW506180430N 0.25...	3.23e3	99.1	NO
7	7	13C6-PFDA	1800896-05 SKITMW506180430N 0.25...	1.38e4	71.8	NO
8	8	13C7-PFUdA	1800896-05 SKITMW506180430N 0.25...	1.78e4	59.0	NO

Name: 180524M1_93, Date: 25-May-2018, Time: 05:59:42, ID: 1800896-06 SKITMW606180501N 0.25212, Description: SKITMW606180501N

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-06 SKITMW606180501N 0.25...	6.31e3	59.4	NO
2	2	13C5-PFHxA	1800896-06 SKITMW606180501N 0.25...	9.74e3	63.3	NO
3	3	13C3-PFHxS	1800896-06 SKITMW606180501N 0.25...	2.96e3	84.9	NO
4	4	13C8-PFOA	1800896-06 SKITMW606180501N 0.25...	1.01e4	59.9	NO
5	5	13C9-PFNA	1800896-06 SKITMW606180501N 0.25...	1.12e4	61.7	NO
6	6	13C4-PFOS	1800896-06 SKITMW606180501N 0.25...	2.93e3	89.8	NO
7	7	13C6-PFDA	1800896-06 SKITMW606180501N 0.25...	1.16e4	60.4	NO
8	8	13C7-PFUdA	1800896-06 SKITMW606180501N 0.25...	1.50e4	49.7	YES

Name: 180524M1_94, Date: 25-May-2018, Time: 06:10:07, ID: 1800896-07 EB01-180426 0.26309, Description: EB01-180426

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-07 EB01-180426 0.26309	6.73e3	63.3	NO
2	2	13C5-PFHxA	1800896-07 EB01-180426 0.26309	1.00e4	65.3	NO
3	3	13C3-PFHxS	1800896-07 EB01-180426 0.26309	2.93e3	83.9	NO
4	4	13C8-PFOA	1800896-07 EB01-180426 0.26309	1.15e4	68.0	NO
5	5	13C9-PFNA	1800896-07 EB01-180426 0.26309	1.22e4	67.2	NO
6	6	13C4-PFOS	1800896-07 EB01-180426 0.26309	3.02e3	92.7	NO
7	7	13C6-PFDA	1800896-07 EB01-180426 0.26309	1.83e4	95.1	NO
8	8	13C7-PFUdA	1800896-07 EB01-180426 0.26309	1.70e4	56.2	NO

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Name: 180524M1_95, Date: 25-May-2018, Time: 06:20:37, ID: 1800896-08 QC-180426 0.25901, Description: QC-180426

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-08 QC-180426 0.25901	7.62e3	71.7	NO
2	2	13C5-PFHxA	1800896-08 QC-180426 0.25901	1.02e4	66.5	NO
3	3	13C3-PFHxS	1800896-08 QC-180426 0.25901	2.80e3	80.3	NO
4	4	13C8-PFOA	1800896-08 QC-180426 0.25901	1.14e4	68.0	NO
5	5	13C9-PFNA	1800896-08 QC-180426 0.25901	1.42e4	78.5	NO
6	6	13C4-PFOS	1800896-08 QC-180426 0.25901	2.85e3	87.3	NO
7	7	13C6-PFDA	1800896-08 QC-180426 0.25901	1.81e4	94.4	NO
8	8	13C7-PFUdA	1800896-08 QC-180426 0.25901	1.91e4	63.2	NO

Name: 180524M1_96, Date: 25-May-2018, Time: 06:31:01, ID: 1800896-09 EB01-180427 0.24341, Description: EB01-180427

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-09 EB01-180427 0.24341	6.50e3	61.2	NO
2	2	13C5-PFHxA	1800896-09 EB01-180427 0.24341	8.82e3	57.3	NO
3	3	13C3-PFHxS	1800896-09 EB01-180427 0.24341	2.52e3	72.0	NO
4	4	13C8-PFOA	1800896-09 EB01-180427 0.24341	1.12e4	66.5	NO
5	5	13C9-PFNA	1800896-09 EB01-180427 0.24341	1.27e4	70.0	NO
6	6	13C4-PFOS	1800896-09 EB01-180427 0.24341	2.65e3	81.1	NO
7	7	13C6-PFDA	1800896-09 EB01-180427 0.24341	1.35e4	70.4	NO
8	8	13C7-PFUdA	1800896-09 EB01-180427 0.24341	1.79e4	59.0	NO

Name: 180524M1_97, Date: 25-May-2018, Time: 06:41:32, ID: 1800896-10 QC1-180430 0.26333, Description: QC1-180430

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-10 QC1-180430 0.26333	7.71e3	72.5	NO
2	2	13C5-PFHxA	1800896-10 QC1-180430 0.26333	1.11e4	72.1	NO
3	3	13C3-PFHxS	1800896-10 QC1-180430 0.26333	3.04e3	87.0	NO
4	4	13C8-PFOA	1800896-10 QC1-180430 0.26333	1.18e4	70.4	NO
5	5	13C9-PFNA	1800896-10 QC1-180430 0.26333	1.31e4	72.7	NO
6	6	13C4-PFOS	1800896-10 QC1-180430 0.26333	3.06e3	93.7	NO
7	7	13C6-PFDA	1800896-10 QC1-180430 0.26333	1.52e4	79.3	NO
8	8	13C7-PFUdA	1800896-10 QC1-180430 0.26333	2.12e4	70.2	NO

Name: 180524M1_98, Date: 25-May-2018, Time: 06:52:02, ID: 1800896-11 FB1-180430 0.2637, Description: FB1-180430

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-11 FB1-180430 0.2637	7.07e3	66.5	NO
2	2	13C5-PFHxA	1800896-11 FB1-180430 0.2637	1.04e4	67.9	NO
3	3	13C3-PFHxS	1800896-11 FB1-180430 0.2637	2.43e3	69.7	NO
4	4	13C8-PFOA	1800896-11 FB1-180430 0.2637	1.14e4	68.0	NO
5	5	13C9-PFNA	1800896-11 FB1-180430 0.2637	1.34e4	74.2	NO
6	6	13C4-PFOS	1800896-11 FB1-180430 0.2637	2.75e3	84.2	NO
7	7	13C6-PFDA	1800896-11 FB1-180430 0.2637	1.51e4	78.6	NO
8	8	13C7-PFUdA	1800896-11 FB1-180430 0.2637	1.94e4	64.0	NO

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Name: 180524M1_99, Date: 25-May-2018, Time: 07:02:27, ID: 1800896-12 EB1-180430 0.2632, Description: EB1-180430

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800896-12 EB1-180430 0.2632	8.24e3	77.5	NO
2	2	13C5-PFHxA	1800896-12 EB1-180430 0.2632	1.16e4	75.5	NO
3	3	13C3-PFHxS	1800896-12 EB1-180430 0.2632	3.06e3	87.7	NO
4	4	13C8-PFOA	1800896-12 EB1-180430 0.2632	1.29e4	76.9	NO
5	5	13C9-PFNA	1800896-12 EB1-180430 0.2632	1.26e4	69.8	NO
6	6	13C4-PFOS	1800896-12 EB1-180430 0.2632	2.87e3	88.0	NO
7	7	13C6-PFDA	1800896-12 EB1-180430 0.2632	1.72e4	89.3	NO
8	8	13C7-PFUdA	1800896-12 EB1-180430 0.2632	2.07e4	68.5	NO

Name: 180524M1_100, Date: 25-May-2018, Time: 07:12:49, ID: ST180524M1-16 PFC CS3 18E2106, Description: PFC CS3 18E2106

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-16 PFC CS3 18E2106	1.20e4	112.9	NO
2	2	13C5-PFHxA	ST180524M1-16 PFC CS3 18E2106	1.69e4	109.8	NO
3	3	13C3-PFHxS	ST180524M1-16 PFC CS3 18E2106	3.76e3	107.6	NO
4	4	13C8-PFOA	ST180524M1-16 PFC CS3 18E2106	1.55e4	91.8	NO
5	5	13C9-PFNA	ST180524M1-16 PFC CS3 18E2106	2.02e4	111.9	NO
6	6	13C4-PFOS	ST180524M1-16 PFC CS3 18E2106	3.86e3	118.3	NO
7	7	13C6-PFDA	ST180524M1-16 PFC CS3 18E2106	2.18e4	113.3	NO
8	8	13C7-PFUdA	ST180524M1-16 PFC CS3 18E2106	3.09e4	102.0	NO

Name: 180524M1_101, Date: 25-May-2018, Time: 07:23:21, ID: ST180524M1-17 PFC CS0 18E2105, Description: PFC CS0 18E2105

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-17 PFC CS0 18E2105	1.09e4	102.1	NO
2	2	13C5-PFHxA	ST180524M1-17 PFC CS0 18E2105	1.67e4	108.4	NO
3	3	13C3-PFHxS	ST180524M1-17 PFC CS0 18E2105	3.56e3	101.8	NO
4	4	13C8-PFOA	ST180524M1-17 PFC CS0 18E2105	1.70e4	101.0	NO
5	5	13C9-PFNA	ST180524M1-17 PFC CS0 18E2105	1.85e4	102.1	NO
6	6	13C4-PFOS	ST180524M1-17 PFC CS0 18E2105	3.52e3	107.9	NO
7	7	13C6-PFDA	ST180524M1-17 PFC CS0 18E2105	2.11e4	109.8	NO
8	8	13C7-PFUdA	ST180524M1-17 PFC CS0 18E2105	2.55e4	84.4	NO

Name: 180524M1_102, Date: 25-May-2018, Time: 07:33:50, ID: IPA, Description: IPA

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

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Name: 180524M1_103, Date: 25-May-2018, Time: 07:44:15, ID: B8E0074-MS1 Matrix Spike 0.12279, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0074-MS1 Matrix Spike 0.12279	5.33e3	50.2	NO
2	2	13C5-PFHxA	B8E0074-MS1 Matrix Spike 0.12279	6.27e3	40.8	YES
3	3	13C3-PFHxS	B8E0074-MS1 Matrix Spike 0.12279	3.00e3	85.7	NO
4	4	13C8-PFOA	B8E0074-MS1 Matrix Spike 0.12279	8.97e3	53.3	NO
5	5	13C9-PFNA	B8E0074-MS1 Matrix Spike 0.12279	9.90e3	54.8	NO
6	6	13C4-PFOS	B8E0074-MS1 Matrix Spike 0.12279	3.13e3	96.0	NO
7	7	13C6-PFDA	B8E0074-MS1 Matrix Spike 0.12279	1.14e4	59.2	NO
8	8	13C7-PFUdA	B8E0074-MS1 Matrix Spike 0.12279	1.24e4	40.9	YES

Name: 180524M1_104, Date: 25-May-2018, Time: 07:54:45, ID: B8E0074-MSD1 Matrix Spike Dup 0.12405, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0074-MSD1 Matrix Spike Dup 0.124...	5.69e3	53.5	NO
2	2	13C5-PFHxA	B8E0074-MSD1 Matrix Spike Dup 0.124...	7.02e3	45.7	YES
3	3	13C3-PFHxS	B8E0074-MSD1 Matrix Spike Dup 0.124...	2.92e3	83.6	NO
4	4	13C8-PFOA	B8E0074-MSD1 Matrix Spike Dup 0.124...	9.04e3	53.7	NO
5	5	13C9-PFNA	B8E0074-MSD1 Matrix Spike Dup 0.124...	1.12e4	62.0	NO
6	6	13C4-PFOS	B8E0074-MSD1 Matrix Spike Dup 0.124...	3.19e3	97.8	NO
7	7	13C6-PFDA	B8E0074-MSD1 Matrix Spike Dup 0.124...	1.34e4	69.6	NO
8	8	13C7-PFUdA	B8E0074-MSD1 Matrix Spike Dup 0.124...	1.57e4	51.8	NO

Name: 180524M1_105, Date: 25-May-2018, Time: 08:05:07, ID: B8E0074-MSD2 Matrix Spike Dup 0.12116, Description: Matrix Spike Dup

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0074-MSD2 Matrix Spike Dup 0.121...	4.24e3	39.8	YES
2	2	13C5-PFHxA	B8E0074-MSD2 Matrix Spike Dup 0.121...	5.31e3	34.6	YES
3	3	13C3-PFHxS	B8E0074-MSD2 Matrix Spike Dup 0.121...	2.82e3	80.8	NO
4	4	13C8-PFOA	B8E0074-MSD2 Matrix Spike Dup 0.121...	7.81e3	46.4	YES
5	5	13C9-PFNA	B8E0074-MSD2 Matrix Spike Dup 0.121...	8.06e3	44.5	YES
6	6	13C4-PFOS	B8E0074-MSD2 Matrix Spike Dup 0.121...	3.19e3	98.0	NO
7	7	13C6-PFDA	B8E0074-MSD2 Matrix Spike Dup 0.121...	1.02e4	53.3	NO
8	8	13C7-PFUdA	B8E0074-MSD2 Matrix Spike Dup 0.121...	1.18e4	39.2	YES

Name: 180524M1_106, Date: 25-May-2018, Time: 08:15:37, ID: B8E0074-MS2 Matrix Spike 0.1209, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0074-MS2 Matrix Spike 0.1209	5.17e3	48.6	YES
2	2	13C5-PFHxA	B8E0074-MS2 Matrix Spike 0.1209	6.31e3	41.0	YES
3	3	13C3-PFHxS	B8E0074-MS2 Matrix Spike 0.1209	3.05e3	87.3	NO
4	4	13C8-PFOA	B8E0074-MS2 Matrix Spike 0.1209	8.07e3	48.0	YES
5	5	13C9-PFNA	B8E0074-MS2 Matrix Spike 0.1209	1.01e4	55.6	NO
6	6	13C4-PFOS	B8E0074-MS2 Matrix Spike 0.1209	3.11e3	95.5	NO
7	7	13C6-PFDA	B8E0074-MS2 Matrix Spike 0.1209	9.89e3	51.5	NO
8	8	13C7-PFUdA	B8E0074-MS2 Matrix Spike 0.1209	1.46e4	48.3	YES

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Name: 180524M1_107, Date: 25-May-2018, Time: 08:26:08, ID: 1800827-02 BPS1-TT-MW314I-FRB-20180430 0.11448, Description: BPS1-TT-MW314I-FRB-20180430

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800827-02 BPS1-TT-MW314I-FRB-20...	6.31e3	59.4	NO
2	2	13C5-PFHxA	1800827-02 BPS1-TT-MW314I-FRB-20...	9.21e3	59.9	NO
3	3	13C3-PFHxS	1800827-02 BPS1-TT-MW314I-FRB-20...	2.91e3	83.4	NO
4	4	13C8-PFOA	1800827-02 BPS1-TT-MW314I-FRB-20...	1.23e4	73.3	NO
5	5	13C9-PFNA	1800827-02 BPS1-TT-MW314I-FRB-20...	1.16e4	64.3	NO
6	6	13C4-PFOS	1800827-02 BPS1-TT-MW314I-FRB-20...	3.17e3	97.2	NO
7	7	13C6-PFDA	1800827-02 BPS1-TT-MW314I-FRB-20...	1.28e4	66.7	NO
8	8	13C7-PFUdA	1800827-02 BPS1-TT-MW314I-FRB-20...	2.06e4	68.2	NO

Name: 180524M1_108, Date: 25-May-2018, Time: 08:36:32, ID: 1800834-01 REEPDW417 0.10147, Description: REEPDW417

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-01 REEPDW417 0.10147	4.56e3	42.9	YES
2	2	13C5-PFHxA	1800834-01 REEPDW417 0.10147	4.94e3	32.1	YES
3	3	13C3-PFHxS	1800834-01 REEPDW417 0.10147	2.75e3	78.8	NO
4	4	13C8-PFOA	1800834-01 REEPDW417 0.10147	7.39e3	43.9	YES
5	5	13C9-PFNA	1800834-01 REEPDW417 0.10147	9.15e3	50.6	NO
6	6	13C4-PFOS	1800834-01 REEPDW417 0.10147	2.91e3	89.3	NO
7	7	13C6-PFDA	1800834-01 REEPDW417 0.10147	1.09e4	56.9	NO
8	8	13C7-PFUdA	1800834-01 REEPDW417 0.10147	1.35e4	44.6	YES

Name: 180524M1_109, Date: 25-May-2018, Time: 08:47:02, ID: 1800834-02 REEPDW419 0.12098, Description: REEPDW419

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-02 REEPDW419 0.12098	4.45e3	41.8	YES
2	2	13C5-PFHxA	1800834-02 REEPDW419 0.12098	6.49e3	42.2	YES
3	3	13C3-PFHxS	1800834-02 REEPDW419 0.12098	2.93e3	83.8	NO
4	4	13C8-PFOA	1800834-02 REEPDW419 0.12098	8.66e3	51.4	NO
5	5	13C9-PFNA	1800834-02 REEPDW419 0.12098	8.43e3	46.6	YES
6	6	13C4-PFOS	1800834-02 REEPDW419 0.12098	2.97e3	91.0	NO
7	7	13C6-PFDA	1800834-02 REEPDW419 0.12098	1.10e4	57.3	NO
8	8	13C7-PFUdA	1800834-02 REEPDW419 0.12098	1.45e4	48.0	YES

Name: 180524M1_110, Date: 25-May-2018, Time: 08:57:33, ID: 1800834-03 REEPDW420 0.12011, Description: REEPDW420

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-03 REEPDW420 0.12011	6.02e3	56.6	NO
2	2	13C5-PFHxA	1800834-03 REEPDW420 0.12011	7.62e3	49.6	YES
3	3	13C3-PFHxS	1800834-03 REEPDW420 0.12011	3.18e3	91.0	NO
4	4	13C8-PFOA	1800834-03 REEPDW420 0.12011	8.99e3	53.4	NO
5	5	13C9-PFNA	1800834-03 REEPDW420 0.12011	1.05e4	58.2	NO
6	6	13C4-PFOS	1800834-03 REEPDW420 0.12011	3.26e3	100.1	NO
7	7	13C6-PFDA	1800834-03 REEPDW420 0.12011	1.15e4	59.8	NO
8	8	13C7-PFUdA	1800834-03 REEPDW420 0.12011	1.51e4	49.8	YES

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Name: 180524M1_111, Date: 25-May-2018, Time: 09:07:57, ID: 1800834-04 REEPDW541 0.12002, Description: REEPDW541

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-04 REEPDW541 0.12002	4.69e3	44.2	YES
2	2	13C5-PFHxA	1800834-04 REEPDW541 0.12002	5.25e3	34.1	YES
3	3	13C3-PFHxS	1800834-04 REEPDW541 0.12002	2.75e3	78.6	NO
4	4	13C8-PFOA	1800834-04 REEPDW541 0.12002	6.66e3	39.6	YES
5	5	13C9-PFNA	1800834-04 REEPDW541 0.12002	7.81e3	43.2	YES
6	6	13C4-PFOS	1800834-04 REEPDW541 0.12002	2.91e3	89.4	NO
7	7	13C6-PFDA	1800834-04 REEPDW541 0.12002	8.58e3	44.7	YES
8	8	13C7-PFUdA	1800834-04 REEPDW541 0.12002	1.15e4	38.0	YES

Name: 180524M1_112, Date: 25-May-2018, Time: 09:18:27, ID: 1800834-05 REEPDW421 0.12138, Description: REEPDW421

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-05 REEPDW421 0.12138	5.13e3	48.2	YES
2	2	13C5-PFHxA	1800834-05 REEPDW421 0.12138	5.99e3	39.0	YES
3	3	13C3-PFHxS	1800834-05 REEPDW421 0.12138	3.11e3	89.0	NO
4	4	13C8-PFOA	1800834-05 REEPDW421 0.12138	6.86e3	40.8	YES
5	5	13C9-PFNA	1800834-05 REEPDW421 0.12138	8.19e3	45.3	YES
6	6	13C4-PFOS	1800834-05 REEPDW421 0.12138	3.03e3	92.8	NO
7	7	13C6-PFDA	1800834-05 REEPDW421 0.12138	9.78e3	50.9	NO
8	8	13C7-PFUdA	1800834-05 REEPDW421 0.12138	1.06e4	35.1	YES

Name: 180524M1_113, Date: 25-May-2018, Time: 09:28:52, ID: 1800834-06 REEPDW418 0.11776, Description: REEPDW418

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-06 REEPDW418 0.11776	3.32e3	31.3	YES
2	2	13C5-PFHxA	1800834-06 REEPDW418 0.11776	4.14e3	26.9	YES
3	3	13C3-PFHxS	1800834-06 REEPDW418 0.11776	2.78e3	79.6	NO
4	4	13C8-PFOA	1800834-06 REEPDW418 0.11776	6.51e3	38.7	YES
5	5	13C9-PFNA	1800834-06 REEPDW418 0.11776	7.63e3	42.2	YES
6	6	13C4-PFOS	1800834-06 REEPDW418 0.11776	3.09e3	94.7	NO
7	7	13C6-PFDA	1800834-06 REEPDW418 0.11776	9.43e3	49.1	YES
8	8	13C7-PFUdA	1800834-06 REEPDW418 0.11776	1.30e4	43.0	YES

Name: 180524M1_114, Date: 25-May-2018, Time: 09:39:23, ID: 1800834-07 REEPDW413 0.12059, Description: REEPDW413

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-07 REEPDW413 0.12059	6.57e3	61.8	NO
2	2	13C5-PFHxA	1800834-07 REEPDW413 0.12059	7.54e3	49.0	YES
3	3	13C3-PFHxS	1800834-07 REEPDW413 0.12059	3.04e3	86.9	NO
4	4	13C8-PFOA	1800834-07 REEPDW413 0.12059	8.26e3	49.1	YES
5	5	13C9-PFNA	1800834-07 REEPDW413 0.12059	8.60e3	47.6	YES
6	6	13C4-PFOS	1800834-07 REEPDW413 0.12059	3.00e3	92.0	NO
7	7	13C6-PFDA	1800834-07 REEPDW413 0.12059	8.58e3	44.7	YES
8	8	13C7-PFUdA	1800834-07 REEPDW413 0.12059	1.23e4	40.6	YES

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Name: 180524M1_115, Date: 25-May-2018, Time: 09:49:48, ID: 1800834-08 REEPDW400 0.12318, Description: REEPDW400

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-08 REEPDW400 0.12318	4.60e3	43.3	YES
2	2	13C5-PFHxA	1800834-08 REEPDW400 0.12318	5.63e3	36.6	YES
3	3	13C3-PFHxS	1800834-08 REEPDW400 0.12318	2.89e3	82.9	NO
4	4	13C8-PFOA	1800834-08 REEPDW400 0.12318	6.86e3	40.7	YES
5	5	13C9-PFNA	1800834-08 REEPDW400 0.12318	9.00e3	49.8	YES
6	6	13C4-PFOS	1800834-08 REEPDW400 0.12318	2.94e3	90.3	NO
7	7	13C6-PFDA	1800834-08 REEPDW400 0.12318	9.78e3	51.0	NO
8	8	13C7-PFUdA	1800834-08 REEPDW400 0.12318	1.25e4	41.3	YES

Name: 180524M1_116, Date: 25-May-2018, Time: 10:00:18, ID: 1800834-09 REEPDW539 0.1252, Description: REEPDW539

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-09 REEPDW539 0.1252	4.52e3	42.5	YES
2	2	13C5-PFHxA	1800834-09 REEPDW539 0.1252	5.70e3	37.1	YES
3	3	13C3-PFHxS	1800834-09 REEPDW539 0.1252	2.88e3	82.3	NO
4	4	13C8-PFOA	1800834-09 REEPDW539 0.1252	8.08e3	48.0	YES
5	5	13C9-PFNA	1800834-09 REEPDW539 0.1252	8.31e3	45.9	YES
6	6	13C4-PFOS	1800834-09 REEPDW539 0.1252	3.01e3	92.4	NO
7	7	13C6-PFDA	1800834-09 REEPDW539 0.1252	1.06e4	55.4	NO
8	8	13C7-PFUdA	1800834-09 REEPDW539 0.1252	1.21e4	40.1	YES

Name: 180524M1_117, Date: 25-May-2018, Time: 10:10:48, ID: 1800834-10 REEPDW403 0.11975, Description: REEPDW403

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-10 REEPDW403 0.11975	4.47e3	42.0	YES
2	2	13C5-PFHxA	1800834-10 REEPDW403 0.11975	5.56e3	36.1	YES
3	3	13C3-PFHxS	1800834-10 REEPDW403 0.11975	2.98e3	85.4	NO
4	4	13C8-PFOA	1800834-10 REEPDW403 0.11975	6.56e3	39.0	YES
5	5	13C9-PFNA	1800834-10 REEPDW403 0.11975	8.68e3	48.0	YES
6	6	13C4-PFOS	1800834-10 REEPDW403 0.11975	2.91e3	89.2	NO
7	7	13C6-PFDA	1800834-10 REEPDW403 0.11975	1.06e4	55.0	NO
8	8	13C7-PFUdA	1800834-10 REEPDW403 0.11975	1.21e4	40.0	YES

Name: 180524M1_118, Date: 25-May-2018, Time: 10:28:24, ID: ST180524M1-18 PFC CS3 18E2106, Description: PFC CS3 18E2106

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	ST180524M1-18 PFC CS3 18E2106	1.14e4	106.9	NO
2	2	13C5-PFHxA	ST180524M1-18 PFC CS3 18E2106	1.54e4	100.1	NO
3	3	13C3-PFHxS	ST180524M1-18 PFC CS3 18E2106	3.74e3	107.1	NO
4	4	13C8-PFOA	ST180524M1-18 PFC CS3 18E2106	1.73e4	103.1	NO
5	5	13C9-PFNA	ST180524M1-18 PFC CS3 18E2106	1.78e4	98.4	NO
6	6	13C4-PFOS	ST180524M1-18 PFC CS3 18E2106	3.83e3	117.5	NO
7	7	13C6-PFDA	ST180524M1-18 PFC CS3 18E2106	2.11e4	109.8	NO
8	8	13C7-PFUdA	ST180524M1-18 PFC CS3 18E2106	2.98e4	98.5	NO

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Name: 180524M1_119, Date: 25-May-2018, Time: 10:38:52, ID: B8E0076-MS1 Matrix Spike 0.12174, Description: Matrix Spike

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	B8E0076-MS1 Matrix Spike 0.12174	3.38e3	31.8	YES
2	2	13C5-PFHxA	B8E0076-MS1 Matrix Spike 0.12174	6.09e3	39.6	YES
3	3	13C3-PFHxS	B8E0076-MS1 Matrix Spike 0.12174	2.59e3	74.3	NO
4	4	13C8-PFOA	B8E0076-MS1 Matrix Spike 0.12174	8.05e3	47.9	YES
5	5	13C9-PFNA	B8E0076-MS1 Matrix Spike 0.12174	8.55e3	47.3	YES
6	6	13C4-PFOS	B8E0076-MS1 Matrix Spike 0.12174	2.61e3	80.2	NO
7	7	13C6-PFDA	B8E0076-MS1 Matrix Spike 0.12174	1.14e4	59.6	NO
8	8	13C7-PFUdA	B8E0076-MS1 Matrix Spike 0.12174	1.37e4	45.1	YES

Name: 180524M1_120, Date: 25-May-2018, Time: 10:49:17, ID: 1800854-02 REEPDW542 0.1194, Description: REEPDW542

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-02 REEPDW542 0.1194	3.67e3	34.5	YES
2	2	13C5-PFHxA	1800854-02 REEPDW542 0.1194	6.22e3	40.5	YES
3	3	13C3-PFHxS	1800854-02 REEPDW542 0.1194	3.15e3	90.1	NO
4	4	13C8-PFOA	1800854-02 REEPDW542 0.1194	7.63e3	45.4	YES
5	5	13C9-PFNA	1800854-02 REEPDW542 0.1194	1.07e4	58.9	NO
6	6	13C4-PFOS	1800854-02 REEPDW542 0.1194	3.22e3	98.9	NO
7	7	13C6-PFDA	1800854-02 REEPDW542 0.1194	1.25e4	65.1	NO
8	8	13C7-PFUdA	1800854-02 REEPDW542 0.1194	1.60e4	52.9	NO

Name: 180524M1_121, Date: 25-May-2018, Time: 10:59:48, ID: 1800854-04 REEPDW432 0.12073, Description: REEPDW432

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-04 REEPDW432 0.12073	3.24e3	30.5	YES
2	2	13C5-PFHxA	1800854-04 REEPDW432 0.12073	6.22e3	40.4	YES
3	3	13C3-PFHxS	1800854-04 REEPDW432 0.12073	2.64e3	75.5	NO
4	4	13C8-PFOA	1800854-04 REEPDW432 0.12073	7.66e3	45.5	YES
5	5	13C9-PFNA	1800854-04 REEPDW432 0.12073	8.91e3	49.3	YES
6	6	13C4-PFOS	1800854-04 REEPDW432 0.12073	2.86e3	87.7	NO
7	7	13C6-PFDA	1800854-04 REEPDW432 0.12073	1.05e4	54.7	NO
8	8	13C7-PFUdA	1800854-04 REEPDW432 0.12073	1.62e4	53.5	NO

Name: 180524M1_122, Date: 25-May-2018, Time: 11:12:12, ID: 1800854-06 REEPDW433 0.11527, Description: REEPDW433

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-06 REEPDW433 0.11527	5.07e3	47.7	YES
2	2	13C5-PFHxA	1800854-06 REEPDW433 0.11527	7.16e3	46.6	YES
3	3	13C3-PFHxS	1800854-06 REEPDW433 0.11527	3.08e3	88.1	NO
4	4	13C8-PFOA	1800854-06 REEPDW433 0.11527	7.53e3	44.8	YES
5	5	13C9-PFNA	1800854-06 REEPDW433 0.11527	1.07e4	59.2	NO
6	6	13C4-PFOS	1800854-06 REEPDW433 0.11527	2.95e3	90.4	NO
7	7	13C6-PFDA	1800854-06 REEPDW433 0.11527	1.28e4	66.8	NO
8	8	13C7-PFUdA	1800854-06 REEPDW433 0.11527	1.88e4	62.2	NO

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Name: 180524M1_123, Date: 25-May-2018, Time: 11:22:41, ID: 1800854-11 REEPDW443 0.11262, Description: REEPDW443

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800854-11 REEPDW443 0.11262	4.72e3	44.4	YES
2	2	13C5-PFHxA	1800854-11 REEPDW443 0.11262	6.68e3	43.4	YES
3	3	13C3-PFHxS	1800854-11 REEPDW443 0.11262	3.41e3	97.7	NO
4	4	13C8-PFOA	1800854-11 REEPDW443 0.11262	8.43e3	50.1	NO
5	5	13C9-PFNA	1800854-11 REEPDW443 0.11262	1.02e4	56.6	NO
6	6	13C4-PFOS	1800854-11 REEPDW443 0.11262	3.43e3	105.3	NO
7	7	13C6-PFDA	1800854-11 REEPDW443 0.11262	1.07e4	55.6	NO
8	8	13C7-PFUdA	1800854-11 REEPDW443 0.11262	1.68e4	55.6	NO

Name: 180524M1_124, Date: 25-May-2018, Time: 11:33:06, ID: 1800834-11 REEPDW404 0.12495, Description: REEPDW404

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-11 REEPDW404 0.12495	5.67e3	53.3	NO
2	2	13C5-PFHxA	1800834-11 REEPDW404 0.12495	6.70e3	43.5	YES
3	3	13C3-PFHxS	1800834-11 REEPDW404 0.12495	2.81e3	80.6	NO
4	4	13C8-PFOA	1800834-11 REEPDW404 0.12495	7.54e3	44.8	YES
5	5	13C9-PFNA	1800834-11 REEPDW404 0.12495	7.83e3	43.3	YES
6	6	13C4-PFOS	1800834-11 REEPDW404 0.12495	3.01e3	92.3	NO
7	7	13C6-PFDA	1800834-11 REEPDW404 0.12495	1.12e4	58.6	NO
8	8	13C7-PFUdA	1800834-11 REEPDW404 0.12495	1.34e4	44.3	YES

Name: 180524M1_125, Date: 25-May-2018, Time: 11:43:37, ID: 1800834-12 REEPDW405 0.12226, Description: REEPDW405

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-12 REEPDW405 0.12226	4.34e3	40.8	YES
2	2	13C5-PFHxA	1800834-12 REEPDW405 0.12226	3.91e3	25.4	YES
3	3	13C3-PFHxS	1800834-12 REEPDW405 0.12226	2.76e3	78.9	NO
4	4	13C8-PFOA	1800834-12 REEPDW405 0.12226	5.48e3	32.6	YES
5	5	13C9-PFNA	1800834-12 REEPDW405 0.12226	7.15e3	39.5	YES
6	6	13C4-PFOS	1800834-12 REEPDW405 0.12226	2.89e3	88.5	NO
7	7	13C6-PFDA	1800834-12 REEPDW405 0.12226	8.71e3	45.4	YES
8	8	13C7-PFUdA	1800834-12 REEPDW405 0.12226	1.22e4	40.2	YES

Name: 180524M1_126, Date: 25-May-2018, Time: 11:54:01, ID: 1800834-13 REEPDW408 0.12159, Description: REEPDW408

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-13 REEPDW408 0.12159	3.86e3	36.3	YES
2	2	13C5-PFHxA	1800834-13 REEPDW408 0.12159	4.14e3	26.9	YES
3	3	13C3-PFHxS	1800834-13 REEPDW408 0.12159	2.76e3	79.0	NO
4	4	13C8-PFOA	1800834-13 REEPDW408 0.12159	5.88e3	34.9	YES
5	5	13C9-PFNA	1800834-13 REEPDW408 0.12159	7.08e3	39.2	YES
6	6	13C4-PFOS	1800834-13 REEPDW408 0.12159	2.78e3	85.3	NO
7	7	13C6-PFDA	1800834-13 REEPDW408 0.12159	9.37e3	48.8	YES
8	8	13C7-PFUdA	1800834-13 REEPDW408 0.12159	1.20e4	39.6	YES

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Name: 180524M1_127, Date: 25-May-2018, Time: 12:04:31, ID: 1800834-14 REEPDW409 0.12627, Description: REEPDW409

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-14 REEPDW409 0.12627	5.04e3	47.4	YES
2	2	13C5-PFHxA	1800834-14 REEPDW409 0.12627	7.98e3	51.9	NO
3	3	13C3-PFHxS	1800834-14 REEPDW409 0.12627	2.63e3	75.3	NO
4	4	13C8-PFOA	1800834-14 REEPDW409 0.12627	9.05e3	53.8	NO
5	5	13C9-PFNA	1800834-14 REEPDW409 0.12627	9.30e3	51.4	NO
6	6	13C4-PFOS	1800834-14 REEPDW409 0.12627	2.76e3	84.6	NO
7	7	13C6-PFDA	1800834-14 REEPDW409 0.12627	1.06e4	55.3	NO
8	8	13C7-PFUdA	1800834-14 REEPDW409 0.12627	1.70e4	56.2	NO

Name: 180524M1_128, Date: 25-May-2018, Time: 12:14:55, ID: 1800834-15 REEPDW411 0.12197, Description: REEPDW411

	#	Name	ID	Area	%Rec	Area Out
1	1	13C4-PFBA	1800834-15 REEPDW411 0.12197	4.60e3	43.2	YES
2	2	13C5-PFHxA	1800834-15 REEPDW411 0.12197	6.26e3	40.7	YES
3	3	13C3-PFHxS	1800834-15 REEPDW411 0.12197	2.50e3	71.5	NO
4	4	13C8-PFOA	1800834-15 REEPDW411 0.12197	8.76e3	52.0	NO
5	5	13C9-PFNA	1800834-15 REEPDW411 0.12197	9.42e3	52.1	NO
6	6	13C4-PFOS	1800834-15 REEPDW411 0.12197	2.67e3	81.8	NO
7	7	13C6-PFDA	1800834-15 REEPDW411 0.12197	1.13e4	58.9	NO
8	8	13C7-PFUdA	1800834-15 REEPDW411 0.12197	1.31e4	43.2	YES